General Purpose Commercial Information
Technology Equipment, Software and Services

I-FSS-600 Contract Price List

IP Integration, Inc.
PO Box 28617
Santa Ana, California 92799

Phone: (714) 557-5200
Fax: (714) 242-9094
Website: http://www.ipi-1.com
Email: sales@ipi-1.com

CONTRACT NUMBER: GS-35F-0740P

PERIOD COVERED BY THIS CONTRACT:
AUGUST 14, 2019 TO AUGUST 14, 2024

FSC GROUP 70
SIN 132-8  Purchase of New Equipment
SIN 132-12 Maintenance of Equipment
SIN 132-50  Training Courses
SIN 132-51  Information Technology Professional Services

August 2019
Authorized Federal Supply Service
Information Technology
General Purpose Commercial Information Technology

SPECIAL ITEM NUMBERS:
Special Item No. 132-8 Purchase of Equipment
Special Item No. 132-12 Maintenance, Repair Service and Repair Parts/Spare Parts (Out of Warranty)
Special Item No. 132-50 Training Courses
Special Item No. 132-51 Information Technology Professional Services

Note 1: All non-professional labor categories must be incidental to and used solely to support hardware, software, and/or professional services, and cannot be purchased separately.

Note 2: Offerors and Agencies are advised that the Group 70 – Information Technology Schedule is not to be used as a means to procure services which properly fall under the Brooks Act. These services include, but are not limited to, architectural, engineering, mapping, cartographic production, remote sensing, geographic information systems, and related services. FAR 36.6 distinguishes between mapping services of an A/E nature and mapping services which are not connected nor incidental to the traditionally accepted A/E Services.

Note 3: This solicitation is not intended to solicit for the reselling of IT Professional Services, except for the provision of implementation, maintenance, integration, or training services in direct support of a product. Under such circumstances the services must be performed by the publisher or manufacturer or one of their authorized agents.

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Products and ordering information in this Authorized FSS Information Technology Schedule Pricelist are also available on the GSA Advantage System.

Agencies can browse GSA Advantage by accessing the Federal Supply Service’s Home Page via the Internet at http://www.fss.gsa.gov/.
CUSTOMER INFORMATION:

1a. Table of awarded special item number(s) with appropriate cross-reference to item descriptions and awarded price(s).

| SIN 132-8 | Purchase of New Equipment |
| SIN 132-12 | Maintenance of Equipment |
| SIN 132-50 | Training Courses |
| SIN 132-51 | Information Technology Professional Services |

1b. For a complete listing of Products and Services offered by IP Integration, Inc (IPI), please visit the GSA Advantage Website.

1c. For a complete listing of IPI’s products and labor category descriptions please see Attachment I and Attachment II.

2. Maximum order: $500,000.00

3. Minimum order: $100.00

4. Geographic coverage (delivery area): 48 contiguous states and the District of Columbia

5. Point(s) of production (city, county, and State or foreign country): N/A

6. Discount from list, prices or statement of net price: IPI’s GSA prices range from 3% to 29.5% discount from our Commercial Rates as of 7 November 2018.

7. Quantity discounts: None

8. Prompt payment terms: None

9a. Notification that Government purchase cards are accepted at or below the micro-purchase threshold: Government purchase cards are accepted in full at the minimum order threshold.

9b. Notification whether Government purchase cards are accepted or not accepted above the micro purchase threshold: Government purchase cards are accepted in full at the minimum order threshold.

10. Foreign items (list items by country of origin) N/A

11a. Time of delivery: N/A

11b. Expedited Delivery. The Contractor will insert the sentence “Items available for expedited delivery are noted in this price list.” Under this heading. The Contractor may use a symbol of its choosing to highlight items in its price lists that have expedited delivery. N/A
1. MATERIAL AND WORKMANSHIP
All equipment furnished hereunder must satisfactorily perform the function for which it is intended.

2. ORDER
Written orders, EDI orders (GSA Advantage), credit card orders, and orders placed under blanket purchase agreements (BPA) agreements shall be the basis for purchase in accordance with the provisions of this contract. If time of delivery extends beyond the expiration date of the contract, the Contractor will be obligated to meet the delivery and installation date specified in the original order.

For credit card orders and BPAs, telephone orders are permissible.

3. TRANSPORTATION OF EQUIPMENT
FOB DESTINATION. Prices cover equipment delivery to destination, for any location within the geographic scope of this contract.

This contract is for orders placed within the 48 contiguous states and the District of Columbia

4. INSTALLATION AND TECHNICAL SERVICES
The equipment offered under this contract is not self-installable. Please refer to Section 4a (below) for a detailed description of installation and technical services.

a. INSTALLATION. When the equipment provided under this contract is not normally self-installable, IPI’s technical personnel shall be available to the ordering activity, at the ordering activity’s location, to install the equipment and to train ordering activity personnel in the use and maintenance of the equipment. The charges, if any, for such services are listed below, or in the price schedule:

Specific details and conditions for installation services.

Equipment Installation is a service to set-up, connect and make the IP Integration, Inc provided equipment operational. Installation services shall be performed during the hours of 9 a.m. to 5 p.m., local time, Monday through Friday, excluding IP Integration, Inc holidays (“Prime Time”). Installation performed outside of these hours (“After Hours”) shall be performed at premium rates.

After Hours services carry a 50% surcharge. Travel and Expenses are not included in the listed pricing.

Note: Installation services can be combined with product training.

ACTELIS NETWORKS (Actelis)

The equipment offered under this contract is not self-installable. The charge for installation, de-installation and re-installation is: $1,800.00/day. This charge is exclusive of ‘Travel and Expenses’ incurred to reach ordering activity location(s).

Installation Service Rates:
The following daily rates and conditions apply to equipment installation. The ordering activity will also be responsible for travel and expenses. Travel days over 4 hours are charged at $800/day.
Equipment Installation is a service to set-up, connect and make the IP Integration, Inc provided equipment operational. Installation services shall be performed during the hours of 9 a.m. to 5 p.m., local time, Monday through Friday, excluding IP Integration, Inc holidays (“Prime Time”). Installation performed outside of these hours (“After Hours”) shall be performed at premium rates.

After Hours services carry a 50% surcharge. Travel and Expenses are not included in the listed pricing.

INDUSTRIAL VIDEO & CONTROL (IVC)

The equipment offered under this contract is not self-installable. The ‘Daily Charge’ for installation, de-installation and re-installation is: $1,800.00/day. This charge is exclusive of ‘Travel and Expenses’ incurred to reach ordering activity location(s).

Installation Service Rates:

The following daily rates and conditions apply to equipment installation. The ordering activity will also be responsible for travel and expenses. Travel days over 4 hours are charged at $800/day.

<table>
<thead>
<tr>
<th>Equipment Installation</th>
<th>Product Line</th>
<th>Part Number</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prime Time (9am – 5pm Local Time)</td>
<td>Network Equipment (All MetaLIGHT products)</td>
<td>SVC-ONSINS</td>
<td>$1,800 per day plus expenses</td>
</tr>
<tr>
<td>After Hours</td>
<td>Network Equipment (All MetaLIGHT products)</td>
<td>SVC-ONSINS</td>
<td>$2,700 per day plus expenses</td>
</tr>
<tr>
<td>Sunday and Holidays</td>
<td>Network Equipment (All MetaLIGHT products)</td>
<td>SVC-ONSINS</td>
<td>$3,600 per day plus expenses</td>
</tr>
</tbody>
</table>

Equipment Installation is a service to set-up, connect and make the IP Integration, Inc provided equipment operational. Installation services shall be performed during the hours of 9 a.m. to 5 p.m., local time, Monday through Friday, excluding IP Integration, Inc holidays (“Prime Time”). Installation performed outside of these hours (“After Hours”) shall be performed at premium rates.

After Hours services carry a 50% surcharge. Travel and Expenses are not included in the listed pricing.

Note: Installation services can be combined with product training.
The following holidays are recognized by IP Integration, Inc in the United States:

<table>
<thead>
<tr>
<th>New Years Day</th>
<th>Columbus Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presidents’ Day</td>
<td>Thanksgiving</td>
</tr>
<tr>
<td>Memorial Day</td>
<td>Day after Thanksgiving</td>
</tr>
<tr>
<td>Independence Day</td>
<td>Christmas</td>
</tr>
<tr>
<td>Labor Day</td>
<td></td>
</tr>
</tbody>
</table>

Equipment Installation Service Include:
- Unpacking and inspecting IP Integration, Inc (IPI) equipment
- Placement of equipment in equipment racks or wall mount
- Test AC power and provide power to the IPI equipment
- Make required cable/network connections to the IPI equipment
- Notify ordering activity of any equipment problems on units which were not provided by IPI
- Reasonable cut over support to ensure passage of live data if contiguous with installation
- Test and Confirm that IPI equipment is operational

Equipment Installation Service Does Not Include:
- Creating or entering databases
- Site Surveys
- Installation of non contracted equipment or cables
- Running cables through floors, above ceilings or through walls
- Cutting over, configuring, pre-configuring or testing any ordering activity’s equipment
- Central Site configuration support for a remote site installation
- Non-installation time on site through no fault of IPI
- Additional trips to the site required to complete the installations through no fault or negligence of IPI

Installation Ordering Activity Responsibilities Include:
- Installations must be scheduled by the ordering activity at least fourteen (14) business days in advance of the requested installation date. IN THE EVENT THAT THE FOURTEEN (14) DAYS’ PRIOR NOTIFICATION IS NOT RECEIVED, THE INSTALLATION MAY HAVE TO BE POSTPONED

- The ordering activity is responsible for performing the following activities prior to IPI installation:
  - Provide all site environmental and structural information according to site preparation guidelines provided by IPI
  - Provide immediate and continuous access to all sites where IPI equipment is to be installed
  - Provide continuous on-site support personnel with application assistance throughout the entire installation of IPI equipment
  - Provide AC/DC power requirements within 10 feet of IPI equipment location
  - Install and verify proper operation of equipment and cabling not provided by IPI
  - Provide central site configuration support for all remote installations
  - Provide remote site configuration support for central site installations
b. INSTALLATION, DEINSTALLATION, REINSTALLATION

The Davis-Bacon Act (40 U.S.C. 276a-276a-7) provides that contracts in excess of $2,000 to which the United States or the District of Columbia is a party for construction, alteration, or repair (including painting and decorating) of public buildings or public works with the United States, shall contain a clause that no laborer or mechanic employed directly upon the site of the work shall receive less than the prevailing wage rates as determined by the Secretary of Labor. The requirements of the Davis-Bacon Act do not apply if the construction work is incidental to the furnishing of supplies, equipment, or services. For example, the requirements do not apply to simple installation or alteration of a public building or public work that is incidental to furnishing supplies or equipment under a supply contract. However, if the construction, alteration or repair is segregable and exceeds $2,000, then the requirements of the Davis-Bacon Act applies.

The ordering activity issuing the task order against this contract will be responsible for proper administration and enforcement of the Federal labor standards covered by the Davis-Bacon Act. The proper Davis-Bacon wage determination will be issued by the ordering activity at the time a request for quotation is made for applicable construction classified as installation, de-installation, and re-installation services under SIN 132-8.

c. OPERATING AND MAINTENANCE MANUALS

IPI shall furnish the ordering activity with one (1) copy of all operating and maintenance manuals which are normally provided with the equipment being purchased. Operating and maintenance manuals may be provided in either hard copy or soft copy formats at the discretion of IPI.

5. INSPECTION/ACCEPTANCE

IPI shall only tender for acceptance those items that conform to the requirements of this contract. The ordering activity reserves the right to inspect or test any equipment that has been tendered for acceptance. The ordering activity may require repair or replacement of nonconforming equipment at no increase in contract price. The ordering activity must exercise its post-acceptance rights (1) within a reasonable time after the defect was discovered or should have been discovered; and (2) before any substantial change occurs in the condition of the item, unless the change is due to the defect in the item.

6. WARRANTY

a. Unless specified otherwise in this contract, the IPI’s standard commercial warranty as stated in the contract’s commercial pricelist will apply to this contract.

ACTELIS NETWORKS (Actelis) – Standard Product Warranty

IP Integration, Inc/Actelis warrants all products, under the terms and conditions of its standard agreements, to be free from defects in material and workmanship during normal service and under normal conditions and to meet its published specifications in effect at time of order for the warranty period specified below:

| All ACTELIS NETWORKS Hardware Products: | 24 months |
| All ACTELIS NETWORKS Software Products: | 90 days |
| All ACTELIS NETWORKS Repairs: | Factory Repair & Return service. Ordering Activity pays freight charges for inoperable equipment to Actelis factory (Fremont, CA). Actelis pays freight charges to return repaired equipment to ordering activity (Common Carrier – Ground Service) |
| All ACTELIS NETWORKS Out of Warranty: | Additional charges apply if hardware/software is Out-of-Warranty. Please refer to Price List (Non-Contracted Services) for more details |
Dead on Arrival (DOA)

For hardware whose failure occurs less than ninety (90) days from shipment or ordering activity provided proof of an original sales receipt that shows ordering activity has purchased the failed unit from IP Integration, Inc. within the previous ninety (90) days, IP Integration, Inc. will ship a replacement unit generally within ten (10) business days from notification of failure. The failed unit is to be returned to IP Integration, Inc. in an undamaged and unaltered condition and in its original package no later than (10) days after receipt of the replacement unit otherwise the invoice for the full value will become payable. It is the responsibility of the ordering activity to verify that the malfunction is not caused by configuration, misapplication or shipping damage and ensure that the unit’s physical and cosmetic appearance is like new.

Standard Warranty

For hardware whose failure occurs outside of the ninety (90) day timeframes noted above, IP Integration, Inc shall either repair the unit at the factory or furnish a replacement unit generally within (30) business days from receipt of the defective unit.

For any nonconformance of the Software to its specification, which significantly affects performance and is reported to IP Integration, Inc, in writing, during the Software Warranty period, IP Integration, Inc will provide an analysis of the problem and provide a workable solution.

To report any DOA or Warranty failures, the ordering activity should call IP Integration, Inc at (714) 557-5200 to obtain a return authorization (RA) number and shipping instructions. The ordering activity will be asked to provide the unit model and serial number and a contact name, phone number and email. The ordering activity is responsible for shipping charges to the repair center. IP Integration, Inc will prepay shipping expenses to return the unit to the ordering activity.

STANDARD PRODUCT WARRANTY DOES NOT INCLUDE TELEPHONE TECHNICAL ASSISTANCE OTHER THAN TO CONFIRM A PRODUCT FAILURE. ORDERING ACTIVITY DESIRING TELEPHONE SUPPORT OR OTHER ENHANCED WARRANTY SUPPORT SERVICES SHOULD CONTACT IPI TO ARRANGE PRICING ACCORDINGLY.

INDUSTRIAL VIDEO & CONTROL (IVC) – Standard Product Warranty

IP Integration, Inc warrants all products, under the terms and conditions of its standard agreements, to be free from defects in material and workmanship during normal service and under normal conditions and to meet its published specifications in effect at time of order for the warranty period specified below:

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Warranty Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>All IVC Hardware Products</td>
<td>12 months</td>
</tr>
<tr>
<td>All IVC Software Products</td>
<td>90 days</td>
</tr>
<tr>
<td>All IVC Repairs:</td>
<td>Factory Repair &amp; Return service. Ordering Activity pays freight charges for inoperable equipment to IVC factory (Newton, MA). IVC pays freight return repaired equipment to ordering activity (Common Carrier – Ground Service)</td>
</tr>
</tbody>
</table>

Dead on Arrival (DOA)

For hardware whose failure occurs less than ninety (90) days from shipment or ordering activity provided proof of an original sales receipt that shows ordering activity has purchased the failed unit from IP Integration, Inc. within the previous ninety (90) days, IP Integration, Inc. will ship a replacement unit generally within ten (10) business days from notification of failure. The failed unit is to be returned to IP Integration, Inc. in an undamaged and
unalterred condition and in its original package no later than (10) days after receipt of the replacement unit otherwise the invoice for the full value will become payable. It is the responsibility of the ordering activity to verify that the malfunction is not caused by configuration, misapplication or shipping damage and ensure that the unit’s physical and cosmetic appearance is like new.

Standard Warranty
For hardware whose failure occurs outside of the ninety (90) day timeframes noted above, IP Integration, Inc shall either repair the unit at the factory or furnish a replacement unit generally within (15) business days from receipt of the defective unit.

For any nonconformance of the Software to its specification, which significantly affects performance and is reported to IP Integration, Inc/IVC, in writing, during the Software Warranty period, IP Integration, Inc will provide an analysis of the problem and provide a workable solution.

To report any DOA or Warranty failures, the ordering activity should call IP Integration, Inc at (714) 557-5200 to obtain a return authorization (RA) number and shipping instructions. The ordering activity will be asked to provide the unit model and serial number and a contact name, phone number and email. The ordering activity is responsible for shipping charges to the repair center. IP Integration, Inc/IVC will prepay shipping expenses to return the unit to the ordering activity.

STANDARD PRODUCT WARRANTY DOES NOT INCLUDE TELEPHONE TECHNICAL ASSISTANCE OTHER THAN TO CONFIRM A PRODUCT FAILURE. ORDERING ACTIVITY DESIRING TELEPHONE SUPPORT OR OTHER ENHANCED WARRANTY SUPPORT SERVICES SHOULD CONTACT IPI TO ARRANGE PRICING ACCORDINGLY.

b. IPI warrants and implies that the items delivered hereunder are merchantable and fit for use for the particular purpose described in this contract.

c. Limitation of Liability. Except as otherwise provided by an express or implied warranty, IPI will not be liable to the ordering activity for consequential damages resulting from any defect or deficiencies in accepted items.

d. Inspection and repair of defective equipment under this warranty will be performed at IPI’s authorized factory locations; the addresses are as follows:

**ACTEILS NETWORKS** (Actelis)
All defective Actelis equipment will be returned and repaired at the following location:

**ACTEILS NETWORKS**
47800 Westinghouse Drive
Fremont, CA 94539
Phone: (510) 545-1045

**INDUSTRIAL VIDEO & CONTROL** (IVC)
All defective IVC equipment will be returned and repaired at the following location:

**INDUSTRIAL VIDEO & CONTROL**
330 Nevada Street
Newton, MA 02460
Phone: (617) 467-3059
7. PURCHASE PRICE FOR ORDERED EQUIPMENT
The purchase price that the ordering activity will be charged will be the ordering activity purchase price in effect at the time of order placement, or the ordering activity purchase price in effect on the installation date (or delivery date when installation is not applicable), whichever is less.

8. RESPONSIBILITIES OF THE CONTRACTOR
IPI shall comply with all laws, ordinances, and regulations (Federal, State, City or otherwise) covering work of this character, and shall include all costs, if any, of such compliance in the prices quoted in this offer.

9. TRADE-IN OF INFORMATION TECHNOLOGY EQUIPMENT
When an ordering activity determines that Information Technology equipment will be replaced, the ordering activity shall follow the contracting policies and procedures in the Federal Acquisition Regulation (FAR), the policies and procedures regarding disposition of information technology excess personal property in the Federal Property Management Regulations (FPMR) (41 CFR 101-43.6), and the policies and procedures on exchange/sale contained in the FPMR (41 CFR part 101-46).

— END OF SECTION —
1. OUT OF WARRANTY PRODUCTS

a. The maintenance and repair service rates listed herein are applicable to any products listed in IPI’s Information Technology Schedule whose standard warranty has expired or is not covered under the standard warranty offering. In the event that there are extenuating circumstances whereby the ordering activity cannot remove the out-of-warranty equipment and return it to IPI’s authorized factory locations, the equipment can be serviced on site at the rates outlined below.

ON DEMAND SERVICES – REPAIR RATES

Provisioning of on-demand technical services is made available at the rates provided below. For service on IPI equipment, which is outside the standard warranty coverage, the “Per Call – No Maintenance” rates shall apply. Any ordering activity is required to call IP Integration, Inc at (714) 557-5200 for scheduling On-Demand services.

ON DEMAND SERVICE – TELEPHONE TECHNICAL ASSISTANCE (TROUBLESHOOTING RATES)

Standard product warranty does not include Telephone Technical Assistance other than to confirm a product failure. The following On-Demand hourly rates and conditions apply to “Per Call – No Maintenance” Telephone Technical Assistance.

<table>
<thead>
<tr>
<th>Telephone Technical Assistance</th>
<th>Per Call – No Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prime Time (9am – 5pm Local Time)</td>
<td>$175/hr</td>
</tr>
<tr>
<td>After Hours</td>
<td>$250/hr</td>
</tr>
</tbody>
</table>

ON DEMAND SERVICE – ONSITE TECHNICAL ASSISTANCE (REPAIR RATES)

Standard product warranty does not include OnSite Technical Assistance and requires the order activity to call IP Integration, Inc at (714) 557-5200 for scheduling this service. The following daily rates and conditions apply to “Per Visit – No Maintenance” and Technical Assistance. The ordering activity will also be responsible for travel and expenses incurred. Travel days over 4 hours are charged at $800/day.

<table>
<thead>
<tr>
<th>OnSite Technical Assistance</th>
<th>Per Visit – No Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prime Time (9am – 5pm Local Time)</td>
<td>$2,000/day</td>
</tr>
<tr>
<td>After Hours</td>
<td>$3,000/day</td>
</tr>
<tr>
<td>Sundays and Holidays</td>
<td>$4,000/day</td>
</tr>
</tbody>
</table>
b. All stand repair services will be performed at IPI’s authorized factory locations; the addresses are as follows:

**ACTELIS NETWORKS** (Actelis)

All defective Actelis equipment will be returned and repaired at the following location:

**ACTELIS NETWORKS**
47800 Westinghouse Drive
Fremont, CA 94539
Phone: (510) 545-1045

**INDUSTRIAL VIDEO & CONTROL** (IVC)

All defective IVC equipment will be returned and repaired at the following location:

**INDUSTRIAL VIDEO & CONTROL**
330 Nevada Street
Newton, MA 02460
Phone: (617) 467-3059

2. MAINTENANCE ORDERS

a. Agencies may use written orders, credit card orders, or BPAs, for ordering maintenance under this contract. IPI shall confirm orders within (15) calendar days from the date of receipt, except that confirmation of orders shall be considered automatic for renewals for maintenance (Special Item Number 132-12). Automatic acceptance of order renewals for maintenance service shall apply for machines which may have been discontinued from use for temporary periods of time not longer than 120 calendar days. If the order is not confirmed by the ordering activity as prescribed by this paragraph, the order shall be considered to be confirmed by IPI.

b. IPI shall honor orders for maintenance for the duration of the contract period or a lessor period of time, for the equipment shown in the pricelist. Maintenance service shall commence on a mutually agreed upon date, which will be written into the maintenance order. Maintenance orders shall not be made effective before the expiration of any applicable maintenance and parts guarantee/warranty period associated with the purchase of equipment. Orders for maintenance service shall not extend beyond the end of the contract period.

c. Maintenance may be discontinued by the ordering activity on (30) calendar days of written notice, or shorter notice when agreed to by IPI; such notice will become effective (30) calendar days from the date on the notification. However, the ordering activity may extend the original discontinuance date upon written notice to IPI, provided that such notice is furnished at least (30) calendar days prior to the original discontinuance date.

d. Annual Funding. When annually appropriated funds are cited on a maintenance order, the period of maintenance shall automatically expire on September 30th of the contract period, or at the end of the contract period, whichever occurs first. Renewal of a maintenance order citing the new appropriation shall be required, if maintenance is to continue during any remainder of the contract period.

e. Cross-year Funding Within Contract Period. Where an ordering activity’s specific appropriation authority provides for funds in excess of a 12 month, fiscal year period, the ordering activity may place an order under this schedule contract for a period up to the expiration of the contract period, notwithstanding the intervening fiscal years.
f. Ordering activities should notify IPI in writing (30) calendar days prior to the expiration of maintenance service, if maintenance is to be terminated at that time. Orders for continued maintenance will be required if maintenance is to be continued during the subsequent period.

3. REPAIR SERVICE AND REPAIR PARTS/SPARE PARTS ORDERS
a. The maintenance and repair service offered under this contract is ‘Return-To-Factory’. In the event that there are extenuating circumstances whereby the ordering activity cannot remove the equipment and return it to the factory, the equipment can be serviced on site at the rates outlined in Section 1(a) – (ON DEMAND SERVICE – ONSITE TECHNICAL ASSISTANCE).

b. Agencies may use written orders, credit card orders, blanket purchase agreements (BPAs), or small order procedures for ordering repair service and/or repair parts/spare parts under this contract. Orders for repair service shall not extend beyond the end of the contract period.

c. When OnSite Repair Service is ordered, only one chargeable technician shall be dispatched to perform repair service, unless the ordering activity and IPI mutually agree, in advance of scheduled visit, that additional repair technicians are required to effect repairs.

4. LOSS OR DAMAGE

Only when IPI technicians remove any IPI out-of-warranty equipment from an ordering activity installation to our authorized factory locations for repairs, IPI shall be responsible for any damage or loss, from the time the equipment is removed by IPI from the ordering activity installation, until the equipment is returned by IPI to such installation.

ACTELIS NETWORKS (Actelis)
The maintenance and repair service offered under this contract is ‘Return-To-Factory’. The ordering activity is responsible to return IP Integration, Inc/Actelis equipment, which is out of warranty or not covered by a maintenance contract, to the IPI authorized factory repair center for repair. IP Integration, Inc/Actelis shall be responsible for any damage or loss of equipment from the time the equipment is received by the factory until the time it is returned to the ordering activity facility.

INDUSTRIAL VIDEO & CONTROL (IVC)
The standard maintenance and repair service offered under this contract is ‘Return-To-Factory’. The ordering activity is responsible to return IP Integration, Inc/IVC equipment, which is out of warranty or not covered by a maintenance contract, to the IPI authorized factory repair center for repair. IP Integration, Inc/IVC shall be responsible for any damage or loss of equipment from the time the equipment is received by the factory until the time it is returned to the ordering activity facility.

5. SCOPE
a. IPI shall provide maintenance or repair service for all equipment listed under this contract as requested by the ordering activity during the contract term. Repair service and repair parts/spare parts shall apply exclusively to the equipment types/models within the scope of IPI’s Information Technology Schedule.

b. Equipment placed under maintenance service shall be in good operating condition as determined by IPI.
   (1) In order to determine that the equipment is in good operating condition, the equipment shall be subject to inspection by IPI, without charge to the ordering activity.
(2) Costs of any repairs performed for the purpose of placing the equipment in good operating condition shall be borne by IPI, if the equipment was under IPI’s guarantee/warranty or maintenance responsibility prior to the effective date of the maintenance order.

(3) If the equipment was not under IPI’s responsibility, the costs necessary to place the equipment in proper operating condition are to be borne by the ordering activity, in accordance with the provisions of Special Item Number 132-12 (or outside the scope of this contract).

6. RESPONSIBILITIES OF THE ORDERING ACTIVITY

a. Ordering activity must call IP Integration, Inc at 1-714-557-5200 for a return authorization (RA) and shipping instructions prior to sending any equipment back to IPI’s factory for repair service.

b. Ordering activity personnel shall not perform maintenance or attempt repairs to equipment while such equipment is under the purview of a maintenance order, unless agreed to by IPI.

c. Subject to security regulations, the ordering activity shall permit access to IPI equipment which is to be maintained, serviced or repaired by IPI.

7. RESPONSIBILITIES OF THE CONTRACTOR

a. The standard maintenance and repair service offered under this contract is standard ‘Return-To-Factory’ for all equipment whose warranty has expired or is not covered under the standard warranty offering. The ordering activity may return IP Integration, Inc equipment, which is out of warranty or not covered by a maintenance contract to IPI’s authorized factory locations for repair. Repairs are priced on a flat fee basis (please refer to Section 9(a) for pricing information).

b. For equipment not covered by a maintenance contract or warranty, IPI’s authorized factory shall complete repairs as soon as possible after notification by the ordering activity that service is required. The repair service should normally be completed within (30) business days from receipt of the defective unit.

ACTELIS NETWORKS (Actelis)

Factory Repair Service Includes:

- The repair or replacement is at IP Integration, Inc’s sole discretion for a failed unit outside of the warranty period or other service offering. Repairs are priced on a flat fee basis (please refer to Section 9(a) for pricing information).
- Repairs are warranted for 1 year from the date of repair. Should the equipment fail with the same problem during this period; the ordering activity may return the equipment to IPI’s repair center for no-cost repair service.
- The ordering activity is responsible for shipping charges to IPI’s repair center. IP Integration, Inc/Actelis Networks will pay shipping charges (Ground Service) to return the repaired unit to the ordering activity.

INDUSTRIAL VIDEO & CONTROL (IVC)

Factory Repair Service Includes:

- The repair or replacement is at IP Integration, Inc’s sole discretion for a failed unit outside of the warranty period or other service offering. Repairs are priced on a flat fee basis (please refer to Section 9(a) for pricing information).
• Repairs are warranted for 1 year from the date of repair. Should the equipment fail with the same problem during this period; the ordering activity may return the equipment to IPI’s repair center for no-cost repair service.

• The ordering activity is responsible for shipping charges to IPI’s repair center. IP Integration, Inc will pay shipping charges (Ground Service) to return the repaired unit to the ordering activity.

8. MAINTENANCE RATE PROVISIONS

a. IPI shall bear all ‘Return-To-Factory’ costs of maintenance, including labor, parts, and such other expenses as are necessary to keep the warranted equipment in good operating condition, provided that the required repairs are not occasioned by fault or negligence of the ordering activity. The ordering activity is responsible to keep track of warranted equipment and to notify IPI upon warranty expiration.

ACTELIS NETWORKS (Actelis)
The maintenance and repair service offered under this contract is defined in the enclosed price list. The ordering activity may return IP Integration, Inc equipment, which is out of warranty or not covered by a maintenance contract, to the factory repair center for repair. Repairs are priced on a flat fee basis (please refer to Section 9(a) for pricing information). In addition, IP Integration, Inc offers various enhanced maintenance options (Extended Warranty & Services) available for purchase. Please refer to our pricelist for pricing of each make and model of equipment.

INDUSTRIAL VIDEO & CONTROL (IVC)
The maintenance and repair service offered under this contract is defined in the enclosed price list. The ordering activity may return IP Integration, Inc equipment, which is out of warranty or not covered by a maintenance contract, to the factory repair center for repair. Repairs are priced on a flat fee basis (please refer to Section 9.a for pricing information). In addition, IP Integration, Inc offers various enhanced maintenance options (Extended Warranty & Services) available for purchase. Please refer to our pricelist for pricing of each make and model of equipment.

b. ON DEMAND SERVICE – ONSITE TECHNICAL ASSISTANCE (REGULAR HOURS)
The maintenance and repair service offered under this contract is ‘Return-To-Factory’. In the event that there are extenuating circumstances whereby the ordering activity cannot remove the equipment and return it to IPI’s factory, the equipment can be serviced on site (Prime Time) at the rates outlined below.

The basic onsite rate for each make and model of equipment shall entitle the ordering activity to maintenance service during a mutually agreed upon nine (9) hour principal period of maintenance, Monday through Friday, exclusive of holidays observed by IPI. Travel and Expenses are not included and will be billed separately.

<table>
<thead>
<tr>
<th>OnSite Technical Assistance</th>
<th>Per Visit – No Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prime Time (9am – 5pm Local Time)</td>
<td>$2,000/day</td>
</tr>
</tbody>
</table>

c. ON DEMAND SERVICE – ONSITE TECHNICAL ASSISTANCE (AFTER HOURS)
The maintenance and repair service offered under this contract is ‘Return-To-Factory’. In the event that there are extenuating circumstances whereby the ordering activity cannot remove the equipment and return it to IPI’s factory, the equipment can be serviced on site (After Hours) at the rates outlined below.
The basic onsite rate for each make and model of equipment shall entitle the ordering activity to maintenance service after hours, Monday through Friday, exclusive of holidays observed by IPI. Travel and Expenses are not included and will be billed separately.

<table>
<thead>
<tr>
<th>OnSite Technical Assistance</th>
<th>Per Visit – No Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>After Hours</td>
<td>$3,000/day</td>
</tr>
</tbody>
</table>

d. **ON DEMAND SERVICE – ONSITE TECHNICAL ASSISTANCE (WEEKENDS & HOLIDAYS)**

The maintenance and repair service offered under this contract is ‘Return-To-Factory’. In the event that there are extenuating circumstances whereby the ordering activity cannot remove the equipment and return it to IPI’s factory, the equipment can be serviced on site (Holidays) at the rates outlined below.

The basic onsite rate for each make and model of equipment shall entitle the ordering activity to maintenance service on weekends or holidays observed by IPI, Monday through Sunday. Travel and Expenses are not included and will be billed separately.

<table>
<thead>
<tr>
<th>OnSite Technical Assistance</th>
<th>Per Visit – No Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sundays and Holidays</td>
<td>$4,000/day</td>
</tr>
</tbody>
</table>

e. **TRAVEL AND TRANSPORTATION**

For all On Demand Services outlined above, the ordering activity will also be responsible for travel and expenses incurred. In addition, travel days over 4 hours are charged at $800/day.

9. **REPAIR SERVICE RATE PROVISIONS**

a. **CHARGES**

Charges for out-of-warranty repair service will include the labor charge, computed at the rates set forth below, for the time during which repairmen are actually engaged in work, and, when applicable, the charge for travel or transportation.

**ACTELIS NETWORKS** (Actelis)

The maintenance and repair service offered under this contract is ‘Return-To-Factory’. The ordering activity may return IP Integration, Inc/Actelis Networks equipment, which is out of warranty or not covered by a maintenance contract, to IPI’s factory repair center for repair. Repairs are priced on a flat fee basis by equipment type (please refer to the table below for pricing information). For repairable equipment IP Integration, Inc/Actelis Networks will either repair the equipment or exchange it with a refurbished unit at the repair price. The repair service includes a 1-year hardware warranty at no additional charge.

<table>
<thead>
<tr>
<th>Factory Repair Service</th>
<th>Repair Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 day Repair Cycle</td>
<td>Flat Fee based on Equipment Type</td>
</tr>
</tbody>
</table>
INDUSTRIAL VIDEO & CONTROL (IVC)

The maintenance and repair service offered under this contract is ‘Return-To-Factory’. The ordering activity may return IP Integration, Inc/IVC equipment, which is out of warranty or not covered by a maintenance contract, to IPI’s factory repair center for repair. Repairs are priced on a flat fee basis by equipment type (please refer to the table below for pricing information). For repairable equipment IP Integration, Inc/ IVC will either repair the equipment or exchange it with a refurbished unit at the repair price. The repair service includes a 1-year hardware warranty at no additional charge.

<table>
<thead>
<tr>
<th>Factory Repair Service</th>
<th>Repair Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 day Repair Cycle</td>
<td>Flat Fee based on Equipment Type</td>
</tr>
</tbody>
</table>

— END OF SECTION —
TERMS AND CONDITIONS APPLICABLE TO TRAINING COURSES FOR GENERAL PURPOSE COMMERCIAL INFORMATION TECHNOLOGY EQUIPMENT AND SOFTWARE
(SPECIAL ITEM NUMBER 132-50)

1. SCOPE
   a. IPI shall provide training courses normally available to commercial customers, which will permit ordering activity users to make full, efficient use of general purpose commercial IT products. Training is restricted to training courses for those products within the scope of this solicitation.
   
b. IPI shall provide training at IPI’s facility and/or at the ordering activity's location, as agreed to by IPI and the ordering activity.

2. ORDER
   Written orders, credit card orders, and orders placed under blanket purchase agreements (BPAs) shall be the basis for the purchase of training courses in accordance with the terms of this contract. Orders shall include the student's name, course title, course date and time, and contracted dollar amount of the course.

3. TIME OF DELIVERY
   IPI shall conduct training on the date (time, day, month, and year) mutually agreed to by IPI and the ordering activity.

4. CANCELLATION AND RESCHEDULING
   a. The ordering activity will notify IPI at least two (2) weeks before the scheduled training date, if a student will be unable to attend. IPI will then permit the ordering activity to either cancel the order or reschedule the training at no additional charge. In the event the training class is rescheduled, the ordering activity will modify its original training order to specify the time and date of the rescheduled training class.
   
b. In the event the ordering activity fails to cancel or reschedule a training course within the time frame specified in paragraph a, above, the ordering activity will be liable for the contracted dollar amount of the training course. IPI agrees to permit the ordering activity to reschedule a student who fails to attend a training class within ninety (90) days from the original course date, at no additional charge.
   
c. The ordering activity reserves the right to substitute one student for another up to the first day of class.
   
d. In the event IPI is unable to conduct training on the date agreed to by IPI and the ordering activity, IPI must notify the ordering activity at least seventy-two (72) hours before the scheduled training date.

5. FOLLOW-UP SUPPORT
   IPI agrees to provide each student with limited telephone support for a period of three (3) months from the completion of the training course. During this period, the student may contact IPI’s instructors for refresher assistance and answers to related course curriculum questions.
6. PRICE FOR TRAINING

The price that the ordering activity will be charged will be the ordering activity training price in effect at the
time of order placement, or the ordering activity price in effect at the time the training course is conducted,
whichever is less.

7. INVOICES AND PAYMENT

Invoices for training shall be submitted by IPI after ordering activity completion of the training course. Charges
for training must be paid in arrears (31 U.S.C. 3324).

8. FORMAT AND CONTENT OF TRAINING

a. IPI shall provide written materials (i.e., manuals, handbooks, texts, etc.) normally provided with course
offerings. Such documentation will become the property of the student upon completion of the training class.

b. **IF APPLICABLE** For hands-on training courses, there must be at least one assignment of IT
equipment provided by IPI or ordering activity for students to use.

ACTELIS NETWORKS (Actelis)

COURSE TITLE: ETHERNET IN THE FIRST MILE TRAINING (IPI-TRN-ACT)

COURSE CONTENT: IPI Customized Two-day training course. Provides student with details on set-up and
operation of EFM broadband system. Course conducted at IPI/Actelis Networks facility. Priced per student
(minimum of 2 students, maximum of 8 students)

LENGTH: 2.0 days

PREREQUISITES: There are no mandatory prerequisites for the courses described in this catalog; however, it
is desirable that students have a basic understanding of computer PC and Ethernet network operations.

LOCATION: Actelis Networks
47800 Westinghouse Drive
Fremont, CA 94539

CLASS SCHEDULE: This course will be scheduled based on customer request

PRICE PER STUDENT: $1,000.00

COURSE TITLE: ETHERNET IN THE FIRST MILE TRAINING (IPI-TRN-ACTCUS)

COURSE CONTENT: IPI Customized Two-day training course. Provides student with details on set-up and
operation of EFM broadband system. Course conducted at ordering activity facility. Priced per site (minimum
of 2 students, maximum of 8 students). Instructor travel and expenses not included.

Requires 14 day advanced notice

LENGTH: 2.0 days

PREREQUISITES: There are no mandatory prerequisites for the courses described in this catalog; however, it
is desirable that students have a basic understanding of computer PC and Ethernet network operations.

LOCATION: Ordering Activity Location (Must be within the 48 contiguous states and the District of
Columbia)
CLASS SCHEDULE: This course will be scheduled based on customer request

PRICE PER SITE: $6,000.00

INDUSTRIAL VIDEO & CONTROL (IVC)

COURSE TITLE: IVC VIDEO SECURITY SYSTEMS TRAINING (IPI-TRN-IVC)

COURSE CONTENT: IPI Customized Two-day training course. Provides student with details on set-up and operation of IVC Video Security System. Course conducted at IPI/Actelis Networks facility. Priced per student (minimum of 2 students, maximum of 8 students).

LENGTH: 2.0 days

PREREQUISITES: There are no mandatory prerequisites for the courses described in this catalog; however, it is desirable that students have a basic understanding of computer PC and Ethernet network operations.

LOCATION: Industrial Video & Control
330 Nevada Street
Newton, MA 02460

CLASS SCHEDULE: This course will be scheduled based on customer request

PRICE PER STUDENT: $985.00

COURSE TITLE: IVC VIDEO SECURITY SYSTEMS TRAINING (IPI-TRN-IVCCUS)

COURSE CONTENT: IPI Customized Two-day training course. Provides student with details on set-up and operation of EFM broadband system. Course conducted at ordering activity facility. Priced per site (minimum of 2 students, maximum of 8 students). Instructor travel and expenses not included.

Requires 14 day advanced notice

LENGTH: 2.0 days

PREREQUISITES: There are no mandatory prerequisites for the courses described in this catalog; however, it is desirable that students have a basic understanding of computer PC and Ethernet network operations.

LOCATION: Ordering Activity Location (Must be within the 48 contiguous states and the District of Columbia)

CLASS SCHEDULE: This course will be scheduled based on customer request

PRICE PER SITE: $6,500.00

c. For those courses conducted at the ordering activity’s location, instructor travel charges (if applicable), including mileage and daily living expenses (e.g., per diem charges) are governed by Pub. L. 99-234 and FAR Part 31.205-46, and are reimbursable by the ordering activity on orders placed under the Multiple Award Schedule, as applicable, in effect on the date(s) the travel is performed. IPI cannot use GSA city pair contracts. The Industrial Funding Fee does NOT apply to travel and per diem charges.

9. **“NO CHARGE” TRAINING**
IPI shall describe any training provided with equipment and/or software provided under this contract, free of charge, in the space provided below.

[NOT APPLICABLE]
1. SCOPE
   a. The prices, terms and conditions stated under Special Item Number 132-51 Information Technology Professional Services apply exclusively to IT Services within the scope of this Information Technology Schedule.
   b. IPI shall provide Professional Services at IPI’s facility and/or at the ordering activity's location, as agreed to by IPI and the ordering activity.

2. PERFORMANCE INCENTIVES
   a. Performance incentives may be agreed upon between IPI and the ordering activity on individual fixed price orders or Blanket Purchase Agreements under this contract in accordance with this clause.
   b. The ordering activity must establish a maximum performance incentive price for these services and/or total solutions on individual orders or Blanket Purchase Agreements.
   c. Incentives should be designed to relate results achieved by IPI to specified targets. To the maximum extent practicable, ordering activities shall consider establishing incentives where performance is critical to the ordering activity’s mission and incentives are likely to motivate IPI. Incentives shall be based on objectively measurable tasks as mutually agreed to by the ordering activity and IPI.

3. ORDER
   a. Agencies may use written orders, credit cards, blanket purchase agreements, individual purchase orders, or task orders for ordering services under this contract. Blanket Purchase Agreements shall not extend beyond the end of the contract period; all services and delivery shall be made and the contract terms and conditions shall continue in effect until the completion of the order. Orders for tasks which extend beyond the fiscal year for which funds are available shall include FAR 52.232-19 (Deviation – May 2003) Availability of Funds for the Next Fiscal Year. The purchase order shall specify the availability of funds and the period for which funds are available.
   b. All task orders are subject to the terms and conditions of the contract. In the event of conflict between a task order and the contract, the contract will take precedence.

4. PERFORMANCE OF SERVICES
   a. IPI shall commence performance of services on the date mutually agreed to by IPI and the ordering activity.
   b. IPI agrees to render services only during normal working hours, unless otherwise agreed to by IPI and the ordering activity.
   c. The ordering activity should include the criteria for satisfactory completion for each task in the Statement of Work or Delivery Order. Services shall be completed in a good and workmanlike manner.
d. Any IPI travel required in the performance of IT Services must comply with the Federal Travel Regulation or Joint Travel Regulations, as applicable, in effect on the date(s) the travel is performed. Established Federal Government per diem rates will apply to all IPI travel.

5. STOP-WORK ORDER (FAR 52.242-15) (AUG 1989)

a. Contracting Officer may, at any time, by written order to IPI, require IPI to stop all, or any part, of the work called for by this contract for a period of 90 days after the order is delivered to IPI, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, IPI shall immediately comply with its terms and take all reasonable steps to minimize the incurring of costs allocable to the work covered by the order during the period of work stoppage. Within a period of 90 days after a stop-work is delivered to IPI, or within any extension of that period to which the parties shall have agreed, the Contracting Officer shall either:

(1) Cancel the stop-work order; or

(2) Terminate the work covered by the order as provided in the Default, or the Termination for Convenience of the Government, clause of this contract.

b. If a stop-work order issued under this clause is canceled or the period of the order or any extension thereof expires, IPI shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule or contract price, or both, and the contract shall be modified, in writing, accordingly, if:

(1) The stop-work order results in an increase in the time required for, or in IPI’s cost properly allocable to, the performance of any part of this contract; and

(2) IPI asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon the claim submitted at any time before final payment under this contract.

c. If a stop-work order is not canceled and the work covered by the order is terminated for the convenience of the Government, the Contracting Officer shall allow reasonable costs resulting from the stop-work order in arriving at the termination settlement.

d. If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

6. INSPECTION OF SERVICES

The Inspection of Services—Fixed Price (AUG 1996) (Deviation — May 2003) clause at FAR 52.246-4 applies to firm-fixed price orders placed under this contract. The Inspection—Time-and-Materials and Labor-Hour (JAN 1986) (Deviation — May 2003) clause at FAR 52.246-6 applies to time-and-materials and labor-hour orders placed under this contract.

7. RESPONSIBILITIES OF THE CONTRACTOR

IPI shall comply with all laws, ordinances, and regulations (Federal, State, City, or otherwise) covering work of this character. If the end product of a task order is software, then FAR 52.227-14 (Deviation — May 2003) Rights in Data — General, may apply.
8. RESPONSIBILITIES OF THE ORDERING ACTIVITY

Subject to security regulations, the ordering activity shall permit IPI access to all facilities necessary to perform the requisite IT Services.

9. INDEPENDENT CONTRACTOR

All IT Services performed by IPI under the terms of this contract shall be as an independent Contractor, and not as an agent or employee of the ordering activity.

10. ORGANIZATIONAL CONFLICTS OF INTEREST

a. Definitions.

“Contractor” means the person, firm, unincorporated association, joint venture, partnership, or corporation that is a party to this contract.

“Contractor and its affiliates” and “Contractor or its affiliates” refers to the Contractor, its chief executives, directors, officers, subsidiaries, affiliates, subcontractors at any tier, and consultants and any joint venture involving the Contractor, any entity into or with which the Contractor subsequently merges or affiliates, or any other successor or assignee of the Contractor.

An “Organizational conflict of interest” exists when the nature of the work to be performed under a proposed ordering activity contract, without some restriction on ordering activities by the Contractor and its affiliates, may either:

1. Result in an unfair competitive advantage to the Contractor or its affiliates; or
2. Impair the Contractor’s or its affiliates’ objectivity in performing contract work.

b. To avoid an organizational or financial conflict of interest and to avoid prejudicing the best interests of the ordering activity, ordering activities may place restrictions on the Contractors, its affiliates, chief executives, directors, subsidiaries and subcontractors at any tier when placing orders against schedule contracts. Such restrictions shall be consistent with FAR 9.505 and shall be designed to avoid, neutralize, or mitigate organizational conflicts of interest that might otherwise exist in situations related to individual orders placed against the schedule contract. Examples of situations, which may require restrictions, are provided at FAR 9.508.

11. INVOICES

The Contractor, upon completion of the work ordered, shall submit invoices for IT services. Progress payments may be authorized by the ordering activity on individual orders if appropriate. Progress payments shall be made only when authorized by the contract. For time-and-materials orders, the payments under Time-and-
Materials and Labor-Hour Contracts at FAR 52.232-7 (DEC 2002), (Alternate II – Feb 2002) (Deviation – May 2003) applies to time-and-materials orders placed under this contract. For labor-hour orders, the payment under Time-and-Materials and Labor-Hour Contracts at FAR 52.232-7 (DEC 2002), (Alternate II – Feb 2002) (Deviation – May 2003)) applies to labor-hour orders placed under this contract.

13. RESUMES

Resumes shall be provided to the GSA Contracting Officer or the user ordering activity upon request.

14. INCIDENTAL SUPPORT COSTS

Incidental support costs are available outside the scope of this contract. The costs will be negotiated separately with the ordering activity in accordance with the guidelines set forth in the FAR.

15. APPROVAL OF SUBCONTRACTS

The ordering activity may require that the Contractor receive, from the ordering activity's Contracting Officer, written consent before placing any subcontract for furnishing any of the work called for in a task order.

16. DESCRIPTION OF IT SERVICES AND PRICING

LABOR CATEGORIES

ANALYTICAL STAFF

| DESCRIPTION: | Individuals requiring the training, analytical/programmatic skills and experience to operate within a high-tech environment. Experience in system analysis and implementation of system engineering; or electrical design, design assurance, software engineering, program design and implementation or testing of high-tech products and systems. Equivalent experience may be substituted for a degree. |
| MINIMUM/ GENERAL EXPERIENCE: | The Analytical Staff must possess professional training or equivalent experience in one of the following types of disciplines: computer science; computer systems; decision support; computer security; electronic commerce; business process reengineering; business process analyses; information architecture planning and design; engineering; operations research; modeling and simulation; math; physics; quality assurance; systems analysis; business or management. |
| FUNCTIONAL RESPONSIBILITY: | The Analytical Staff provides specialized knowledge of system requirements and programming specifications. Designs solutions based on customer needs and technical considerations. Analyzes job tasks, organizational structure and user requirements to provide system-wide solutions. Applies analytical expertise to assist in defining, analyzing, validating and documenting complex operating environments, states of technology and current processes. |
1. **Senior Technical Consultant:**
Minimum/General Experience: Three years of technical analysis experience is required. Type of experience necessary includes two years related technical analysis experience.

Functional Responsibility: Provides highly technical expertise in conducting capabilities studies, requirements analysis, and technology assessments.

GSA HOURLY RATE: $145.50

### MANAGEMENT STAFF

| DESCRIPTION: | Individuals requiring the training skills and experience of professional, technical or analytical staff plus extensive management/supervisory experience. Must have technical or managerial experience in information resources management. Equivalent experience may be substituted for a degree. |
| MINIMUM/GENERAL EXPERIENCE: | Individuals requiring the training skills and experience of professional, technical or analytical staff plus extensive management/supervisory experience. Must have technical or managerial experience in information resources management. Equivalent experience may be substituted for a degree. |
| FUNCTIONAL RESPONSIBILITY: | The Management staff typically is responsible for the technical contract management of programs and projects. Majority of contact with various management levels within operating unit, at other operating units and within the customer community concerning programs/projects. |

2. **Installation Supervisor:**
Minimum/General Experience: Two years of technical experience is required. Type of experience necessary includes one year of technical experience in acquisition, installation and configuration of network systems. And one year of supervisory experience over an acquisition, installation and configuration of a network system project.

Functional Responsibility: Provides highly technical expertise in installation configuration, application customization, testing and cutover support. Supervises systems implementation team.

Minimum Education: Bachelor's Degree in Computer Science, Information Systems, Engineering, Business, or other related scientific or technical discipline. Four years of applicable professional technical experience may be substituted for degree requirements.

GSA HOURLY RATE: $165.00

3. **Project Manager:**
Minimum/General Experience: A minimum of six years of technical experience is required. Type of experience necessary: Four years experience in management of a multi-disciplined team. Fully qualified in one of the senior labor categories called for in the Task Order.

Functional Responsibility: Responsible for the technical aspects of a given task order.
Minimum Education: Bachelor’s Degree in Computer Science, Information Systems, Engineering, or related scientific or technical discipline.

GSA HOURLY RATE: $165.00

**PROFESSIONAL STAFF**

| DESCRIPTION: | Individuals requiring the training, skills and experience of Technical Staff, plus extensive breadth and depth of knowledge in one or more specific domains and normally operating in a management structure which provides sophisticated planning, scheduling, performance tracking, risk management and day-to-day program administration. Equivalent experience may be substituted for a degree. |
| MINIMUM/ GENERAL EXPERIENCE: | The Professional Staff is generally experienced in one or more specific domains and may have experience as a subject matter expert in a related military or commercial application. Must process training or equivalent experience in one of the following types of disciplines: computer science; computer systems; decision support; computer security; electronic commerce; business process reengineering; business process analyses; information architecture planning and design; engineering; operations research; modeling and simulation; math; physics; quality assurance; systems analysis; business or management. Professional staff shall have industry professional certifications. |
| FUNCTIONAL RESPONSIBILITY: | The Professional Staff should be able to obtain a security clearance at the level of Secret or higher and/or be able to perform in an environment involving special security requirements, as tasks orders may dictate. Demonstrates a broad knowledge of the technical discipline and applies extensive expertise as a generalist. Applies and or develops advanced technologies, scientific principles, theories and concepts in related technical disciplines or in a specialty. |

4. **Communications Systems Engineer:**

   Functional Responsibility: Provide advice and technical assistance on development of IT architectures, systems integration projects, strategic plans and evaluations. Advises and facilitates the defining, designing, development, implementation, and fielding of client server systems. Research advanced information technology tools to enhance, capture, deliver and analyze data. These tools include software, hardware, modeling and simulation, computer-aided system design and software engineering tools. Establish criteria to evaluate results including models, simulations and benchmarks. Edit and write technical articles, reports and briefings.

   Minimum Education: Four years communication system design experience with experience in hardware and software integration. Bachelor’s degree in computer science, a related field or equivalent experience.

   GSA HOURLY RATE: $165.00
5. **Network Engineer:**

Minimum/General Experience: Four years of technical experience is required. Type of experience necessary includes two years of related technical experience, and one year of supervisory experience.

Functional Responsibility: Analyzes network security and surveillance systems. Possess knowledge in Ethernet networking and Windows operating systems. Provides support on all phases of analysis, design, testing, security and implementation.

Minimum Education: Bachelor’s Degree in computer related discipline and two years technical experience applicable to designing, installing, troubleshooting, and supporting multiple server networks. An additional four years related experience may be substituted for the Bachelor’s Degree.

GSA HOURLY RATE: $150.00

6. **Senior Network Engineer:**

Minimum/General Experience: Eight years of technical experience is required. Type of experience necessary includes four years of related technical experience, and three years of supervisory experience.

Functional Responsibility: Analyzes network characteristics, designs for complex environments including installation and troubleshooting. Analyzes network security and surveillance systems. Possess knowledge in Ethernet networking and Windows operating systems. Provides support on all phases of analysis, design, testing, security and implementation. Leads project teams in system consolidation, information security, software upgrades, and contingency management planning and execution.

Minimum Education: Bachelor’s Degree in computer related discipline and five years technical experience applicable to designing, installing, troubleshooting, and supporting multiple server networks. An additional six years related experience may be substituted for the Bachelor’s Degree.

GSA HOURLY RATE: $195.00
IT BLANKET PURCHASE AGREEMENT

BEST VALUE
BLANKET PURCHASE AGREEMENT FEDERAL SUPPLY SCHEDULE

(Insert Customer Name)

In the spirit of the Federal Acquisition Streamlining Act (ordering activity) and IP Integration, Inc. enter into a cooperative agreement to further reduce the administrative costs of acquiring commercial items from the General Services Administration (GSA) Federal Supply Schedule Contract(s) ____________________.

Federal Supply Schedule contract BPAs eliminate contracting and open market costs such as: search for sources; the development of technical documents, solicitations and the evaluation of offers. Teaming Arrangements are permitted with Federal Supply Schedule Contractors in accordance with Federal Acquisition Regulation (FAR) 9.6.

This BPA will further decrease costs, reduce paperwork, and save time by eliminating the need for repetitive, individual purchases from the schedule contract. The end result is to create a purchasing mechanism for the ordering activity that works better and costs less.

Signatures

<table>
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<tr>
<th>Ordering Activity</th>
<th>Date</th>
<th>Contractor</th>
<th>Date</th>
</tr>
</thead>
</table>

BPA NUMBER _____________

(CUSTOMER NAME)
BLANKET PURCHASE AGREEMENT

Pursuant to GSA Federal Supply Schedule Contract Number(s)_________________________ and Federal Acquisition Regulation (FAR) 8.405-3, Blanket Purchase Agreements (BPAs), the Contractor agrees to the following terms of a BPA EXCLUSIVELY WITH ___(Ordering Agency)___:

(1) The following contract services/products can be ordered under this BPA. All orders placed against this BPA are subject to the terms and conditions of the contract, except as noted below:

<table>
<thead>
<tr>
<th>ITEM (Model/Part Number or Type of Service)</th>
<th>SPECIAL BPA DISCOUNT/PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</table>

(2) Delivery:

<table>
<thead>
<tr>
<th>DESTINATION</th>
<th>DELIVERY SCHEDULE/DATES</th>
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<tbody>
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</table>

(3) The Government estimates, but does not guarantee, that the volume of purchases through this agreement will be ________________.

(4) This BPA does not obligate any funds.

(5) This BPA expires on __________________________ or at the end of the contract period, whichever is earlier.

(6) The following office(s) is hereby authorized to place orders under this BPA:

<table>
<thead>
<tr>
<th>OFFICE</th>
<th>POINT OF CONTACT</th>
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</tbody>
</table>

(7) Orders will be placed against this BPA via Electronic Data Interchange (EDI), FAX, paper, or oral communications.

(8) Unless otherwise agreed to, all deliveries under this BPA must be accompanied by delivery tickets or sales slips that must contain the following information as a minimum:

(a) Name of Contractor;
(b) Contract Number;
(c) BPA Number;
(d) Model Number or National Stock Number (NSN);
(e) Task/Delivery Order Number;
(f) Date of Purchase;
(g) Quantity, Unit Price, and Extension of Each Item (unit prices and extensions need not be shown when incompatible with the use of automated systems; provided, that the invoice is itemized to show the information); and
(h) Date of Shipment.

(9) The requirements of a proper invoice are as specified in the Federal Supply Schedule contract. Invoices will be submitted to the address specified within the task/delivery order transmission issued against this BPA.

(10) The terms and conditions included in this BPA apply to all purchases made pursuant to it. In the event of an inconsistency between the provisions of this BPA and the Contractor's invoice, the provisions of this BPA will take precedence.

— END OF SECTION —
**PRODUCT CODE** | **DESCRIPTION** | **GSA PRICE** | **HARDWARE WARRANTY**
--- | --- | --- | ---
IPI-TH016501RG0 | ML622 (ROHS6) - 2 pairs, 4x10/100BaseT, standard QoS, ROHS-6 compliant | $748.00 | 24 Months
IPI-TH062501RG0 | ML622i CPE - Fanless CPE, 2 pairs, 4x10/100BaseT, standard QoS, ROHS-6 compliant | $522.00 | 24 Months
IPI-TH046501RG0 | ML624 (ROHS6) - 4 pairs, 4x10/100BaseT+1 SFP for 100Base-FX, standard QoS, ROHS-6 compliant, SFP should be ordered separately | $1,123.00 | 24 Months
IPI-TH064501RG0 | ML624i CPE - Fanless CPE, 4 pairs, 4x10/100BaseT, standard QoS, ROHS-6 compliant | $823.00 | 24 Months
IPI-TH027501RG0 | ML628 (ROHS6) - 8 pairs, 4x10/100BaseT+1 SFP for 100BaseFX, standard QoS, ROHS-6 compliant, SFP should be ordered separately | $1,499.00 | 24 Months
IPI-TH067501RG0 | ML638 (ROHS6) - 8 pairs, 4x10/100BaseT +1x100/1000BaseFX/LX/T, standard QoS, ROHS-6 compliant, SFP should be ordered separately | $1,506.00 | 24 Months
IPI-TH161501RG0 | ML6416 - 16 pairs, 4x10/100BaseT+2x100/1000Base-FX, CE2.0 certified, ROHS-6 compliant, SFP should be ordered separately | $2,624.00 | 24 Months
IPI-TH218501RG0 | ML6416E - 16 pairs, 4x10/100BaseT+2x100/1000Base-FX, CE2.0 certified, ROHS-6 compliant, SFP should be ordered separately | $3,000.00 | 24 Months
IPI-TH501RG0 | ML644 (ROHS6) - 4 pairs, 4x10/100BaseT+2x100/1000Base-FX, advanced QoS, ROHS-6 compliant, SFP should be ordered separately | $1,273.00 | 24 Months
IPI-TH037501RG0 | ML648 - ROHS6 / 8 pairs, 4x10/100BaseT+2x100/1000Base-FX, advanced QoS, ROHS-6 compliant, SFP should be ordered separately | $1,649.00 | 24 Months
IPI-TH076501RG0 | ML654S - 4 pairs, CES + Clock distribution, 4x10/100BaseT+2x100/1000Base-FX + 4xE1/T1, SyncE, advanced QoS, ROHS-6 compliant, SFP should be ordered separately | $1,649.00 | 24 Months
IPI-TH077501RG0 | ML658S - 8 pairs, CES + Clock distribution, 4x10/100BaseT+2x100/1000Base-FX + 4xE1/T1, SyncE, advanced QoS, ROHS-6 compliant, SFP should be ordered separately | $1,949.00 | 24 Months
IPI-TH238501RG0 | ML6916E - Compact Aggregator,4HSL,16 pairs,CE2.0, advanced H-QoS, 4x10/100/1000BaseT+ 2x100/1000Base-FX, ROHS-6 compliant, SFP should be ordered separately (refer to Type C products) | $3,975.00 | 24 Months
IPI-TH0347501RG | ML698 (IGMP) - Micro CO, 8 pairs, up to 4 HSL, 4x10/100Base-T+1x100/1000Base-FX SFP, standard QoS, IGMP Snooping ready, ROHS-6 compliant, SFP should be ordered separately | $2,249.00 | 24 Months
IPI-TH241510KG6 | ML 624 Kit - (1x ML 624 ROHS6 Supports 4 pairs)(1x Wall Mount Kit )(10ft/3m, 4xRJ-45 to open end, solid wires)(1x AC-DC Adapter) | $1,314.00 | 24 Months
<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
<th>GSA PRICE</th>
<th>HARDWARE WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPI-TH064510K60</td>
<td>ML 624i Kit - (1x ML 624i Supports 4 pairs)(1x Wall Mount Kit)(10ft/3m, 4xRJ-45 to open end, solid wires)(1x US/EU AC-DC Adapter)</td>
<td>$1,014.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH510KG6</td>
<td>ML 628 Kit - (1x ML 628 ROHS6 Supports 8 pairs)(1x Wall Mount Kit)(10ft/3m, 8xRJ-45 to open end, solid wires)(1x AC-DC Adapter)</td>
<td>$1,705.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-381510KG6</td>
<td>ML 638 Kit - (1x ML 638 ROHS6 Supports 8 pairs)(1x Wall Mount Kit)(10ft/3m, 8xRJ-45 to open end, solid wires)(1x AC-DC Adapter)</td>
<td>$1,712.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH394501S20</td>
<td>ML638 Rackmount Kit - (1x ML638 ROHS6 Supports 8 pairs)(1x Rack Mount Kit)(10ft/3m, 8xRJ-45 to open end, solid wires)</td>
<td>$2,065.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH161501RG0</td>
<td>ML6416 Kit - (1x ML6416 supports 16 pairs)(1x Wall Mount Kit)(10ft/3m, Octal Dual RJ-45 to open end, solid wires)(1x AC-DC Adapter)</td>
<td>$2,789.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH060510KG0</td>
<td>ML644 Kit - (1x ML644 supports 4 pairs)(1x Wall Mount Kit)(10ft/3m, 4xRJ-45 to open end, solid wires)(1x AC-DC Adapter)</td>
<td>$1,408.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH061510KG0</td>
<td>ML648 Kit - (1x ML648 supports 8 pairs)(1x Wall Mount Kit)(10ft/3m, 8xRJ-45 to open end, solid wires)(1x AC-DC Adapter)</td>
<td>$1,799.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH347501S00</td>
<td>ML 698 Kit - (2x ML 698-IGMP supports 8 pairs and up to 4 HSLs each)(1x rack mount Kit for 2xML600)(1xEthernet daisy-chaining cable)</td>
<td>$4,501.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH502R20</td>
<td>Chassis 200 Shelf</td>
<td>$737.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH110502R02</td>
<td>Chassis 2000B Shelf, 19 inch (CHS-2000B/19)</td>
<td>$1,949.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH042503R60</td>
<td>SDU450 - Supports ML230/ML2300, 2x 10/100/1000bT + 4xFE/GE uplinks, up to 4 MLU-32/MLU-64 and 128 links</td>
<td>$6,753.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH043503R60</td>
<td>SDU450G - Supports ML230/ML2300, 2x 10/100/1000bT + 4xFE/GE + 4x GE/2.5GE uplinks, up to 4 MLU-32/MLU-64 and 128 links</td>
<td>$7,503.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH041503R60</td>
<td>SDU455G - ML230/ML2300, 2x 10/100/1000bT + 4x GE/2GE uplinks+ 4x GE/2.5GE uplinks, up to 4 MLU-32/MLU-64 and 128 links. Includes TDM clock distribution - E1/T1, 2MHz, SyncE</td>
<td>$8,254.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH132503R20</td>
<td>MLU32DF - 32 pairs line card, Front access connection. Compatible with ML230 and ML2300</td>
<td>$4,129.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH232503R20</td>
<td>MLU32DR - 32 pairs line card, Rear access connection. Compatible with ML230 and ML2300</td>
<td>$4,129.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH164503R20</td>
<td>MLU64DF - 64 pairs line card, Front access connection. Compatible with ML230 and ML2300. Note: Requires SDU-450 series</td>
<td>$6,002.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>PRODUCT CODE</td>
<td>DESCRIPTION</td>
<td>GSA PRICE</td>
<td>HARDWARE WARRANTY</td>
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<tr>
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<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>IPI-TH264503R20</td>
<td>MLU64DR - 64 pairs line card, Rear access connection. Compatible with CHS-200 and CHS-2000B. Note: Requires SDU-450 series</td>
<td>$6,002.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH006506R00</td>
<td>AC-DC Adapter for ML500/ML600/ML740/ML58N RevB - 110/220VAC Feed. North American type power cord</td>
<td>$76.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH08S506R000</td>
<td>AC-DC Adapter NA for ML620i - DOE6 compliant 110/220VAC Feed, North American type power cord</td>
<td>$46.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH070510R21</td>
<td>Rack Mount Kit for two ML500/ML600/ML700/ML700/PFU-8s - Supports 2x ML500/ML600/ML700/ML700/PFU-8 units</td>
<td>$148.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH080510R21</td>
<td>Wall Mount Kit for ML500/ML600/ML700 - Supports 1x ML500/ML600/ML700 unit</td>
<td>$35.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH955510R50</td>
<td>Wall Mount Kit for ML500/ML600/ML700, Flat Faced - Supports 1x ML500/ML600/ML700 unit</td>
<td>$65.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH680508R00</td>
<td>Blank Panel Kit (4 blank panels) - A kit of 4 blank panels to cover unused slots in the ML230/ML2300</td>
<td>$31.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH099501RG2</td>
<td>PFU-8 Rev D - Power Feed Unit, 8 ports, for XR239/SE repeaters feed. Current and Voltage limited (+130VDC), support up to 4 repeated hops.</td>
<td>$522.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH097501RG2</td>
<td>XR239 Repeater (No Rewiring) - 2-pairs repeater, 11.4Mbps throughput, 239 mechanics, ROHS-6 Compliant, remote power feeding from CO or CPE with no rewiring, enhanced diagnostics</td>
<td>$823.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH530501RG0</td>
<td>ML530 - Fiber EAD, 4x10/100BaseT+2x100/1000Base-FX, standard QoS, ROHS-6 compliant, SFP should be ordered separately</td>
<td>$601.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH156501RG0</td>
<td>ML744 (O) - 4 pairs DMT CO, 4x10/100BaseT+2x100/1000Base-FX, advanced QoS, ROHS-6 compliant, SFP should be ordered separately</td>
<td>$1,727.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH256501RG0</td>
<td>ML744 (R) - 4 pairs DMT CPE, 4x10/100BaseT+2x100/1000Base-FX, advanced QoS, ROHS-6 compliant, SFP should be ordered separately</td>
<td>$1,727.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH137501RG0</td>
<td>ML748 (O) - 8 pairs DMT CO, 4x10/100BaseT+2x100/1000Base-FX, advanced QoS, ROHS-6 compliant, SFP should be ordered separately</td>
<td>$2,249.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH237501RG0</td>
<td>ML748 (R) - 8 pairs DMT CPE, 4x10/100BaseT+2x100/1000Base-FX, advanced QoS, ROHS-6 compliant, SFP should be ordered separately</td>
<td>$2,249.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH2B1501S2044</td>
<td>ML230 Bundle 1 - (1xCHS-200/19&quot;, 1xSDU-450, 1xMLU-32DF, 1x blank panel, 1x -48VDC PWR&amp;GND)</td>
<td>$11,616.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>PRODUCT CODE</td>
<td>DESCRIPTION</td>
<td>GSA PRICE</td>
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</tr>
<tr>
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</tr>
<tr>
<td>IPI-TH3B2501S2044</td>
<td>ML230 Bundle 2 - (1xCHS-200/19&quot;, 1xSDU-450, 1xMLU-32DR, 1x blank panel, 1x -48VDC PWR&amp;GND)</td>
<td>$11,616.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH1B3501S2044</td>
<td>ML230 Bundle 3 - (1xCHS-200/19&quot;, 1xSDU-450, 1xMLU-64DF, 1x blank panel, 1x -48VDC PWR&amp;GND)</td>
<td>$13,489.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH6B4501S2043</td>
<td>ML230 Bundle 4 - (1xCHS-200/19&quot;, 1xSDU-450, 1xMLU-64DR, 1x blank panel, 1x -48VDC PWR&amp;GND)</td>
<td>$13,489.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH5B5501S2044</td>
<td>ML230 Bundle 5 - (1xCHS-200/19&quot;, 1xSDU-450G, 1xMLU-32DF, 1x blank panel, 1x -48VDC PWR&amp;GND)</td>
<td>$12,367.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH6B6501S2044</td>
<td>ML230 Bundle 6 - (1xCHS-200/19&quot;, 1xSDU-450G, 1xMLU-32DR, 1x blank panel, 1x -48VDC PWR&amp;GND)</td>
<td>$12,367.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH4B7501S2044</td>
<td>ML230 Bundle 7 - (1xCHS-200/19&quot;, 1xSDU-450G, 1xMLU-64DF, 1x blank panel, 1x -48VDC PWR&amp;GND)</td>
<td>$14,239.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH6B8501S2045</td>
<td>ML230 Bundle 8 - (1xCHS-200/19&quot;, 1xSDU-450G, 1xMLU-64DR, 1x blank panel, 1x -48VDC PWR&amp;GND)</td>
<td>$14,239.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH4B1501S2045</td>
<td>ML2300 Bundle 1 - (1xCHS-2000/ETSI, 1xSDU-450, 1xMLU-32DF, 4x blank panel)</td>
<td>$13,129.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH3B2501S2045</td>
<td>ML2300 Bundle 2 - (1xCHS-2000/ETSI, 1xSDU-450, 1xMLU-64DF, 4x blank panel)</td>
<td>$15,001.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH8B3501S2044</td>
<td>ML2300 Bundle 3 - (1xCHS-2000B/19&quot;, 1xSDU-450, 1xMLU-32DF, 4x blank panel)</td>
<td>$12,829.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH9B4501S2044</td>
<td>ML2300 Bundle 4 - (1xCHS-2000B/19&quot;, 1xSDU-450, 1xMLU-64DF, 4x blank panel)</td>
<td>$12,829.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH7B5501S2044</td>
<td>ML2300 Bundle 5 - (1xCHS-2000/19&quot;, 1xSDU-450, 1xMLU-32EF, 4x blank panel)</td>
<td>$14,701.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH5B6501S2043</td>
<td>ML2300 Bundle 6 - (1xCHS-2000B/19&quot;, 1xSDU-450, 1xMLU-64DR, 4x blank panel)</td>
<td>$14,701.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH1B7501S2045</td>
<td>ML2300 Bundle 7 - (1xCHS-2000B/19&quot;, 1xSDU-450G, 1xMLU-32DF, 4x blank panel)</td>
<td>$13,580.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH2B8501S2045</td>
<td>ML2300 Bundle 8 - (1xCHS-2000B/19&quot;, 1xSDU-450G, 1xMLU-64DF, 4x blank panel)</td>
<td>$13,580.00</td>
<td>24 Months</td>
</tr>
<tr>
<td>IPI-TH0B9501S2045</td>
<td>ML2300 Bundle 9 - (1xCHS-2000B/19&quot;, 1xSDU-450G, 1xMLU-64DF, 4x blank panel)</td>
<td>$15,336.00</td>
<td>24 Months</td>
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<tr>
<td>IPI-THB105501S2045</td>
<td>ML2300 Bundle 10 - (1xCHS-2000B/19&quot;, 1xSDU-450G, 1xMLU-64DR, 4x blank panel)</td>
<td>$15,452.00</td>
<td>24 Months</td>
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<tr>
<td>IPI-TH820506R04</td>
<td>Newmar -48VDC Unity Fuse Panel - 1 Required</td>
<td>$198.00</td>
<td>12 Months</td>
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<tr>
<td>IPI-TH815506R04</td>
<td>Newmar -48VDC Unity rectifier - 2 Required, 3 can be used for additional load capacity</td>
<td>$315.00</td>
<td>12 Months</td>
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<tr>
<td>IPI-TH810502R04</td>
<td>Newmar -48VDC Unity rectifier shelf - 1 Required</td>
<td>$208.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-TH830506R04</td>
<td>Newmar Battery Module</td>
<td>$319.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-TH825502R04</td>
<td>Newmar Battery module shelf</td>
<td>$213.00</td>
<td>12 Months</td>
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</table>
IP Integration, Inc.
PO Box 28617
Santa Ana, CA 92799
Phone: (714) 557-5200

IPI GSA PRICE LIST - ACTELIS NETWORKS
GSA SCHEDULE No: GS-35F-0740P
EFFECTIVE DATE: OCTOBER 2019

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
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<th>HARDWARE WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPI-SVC-EXTHW1</td>
<td>IPI Customized Extended Factory Repair and Return HW Warranty, per year - Extends Standard HW Warranty Term for 1 year beyond initial 2 Year Warranty</td>
<td>8% of List Price, per year</td>
<td></td>
</tr>
<tr>
<td>IPI-SVC-FSTHW3</td>
<td>IPI Customized Fast Exchange Hardware Warranty, per year - Repair and Return of hardware within 10 days after receipt of the product at an authorized Actelis location</td>
<td>8% of List Price per year</td>
<td></td>
</tr>
<tr>
<td>IPI-SVC-REM1YR</td>
<td>IPI Customized Telephone assistance, per year - Remote 5x9 Telephone Assistance based on PST (excludes Actelis holidays)</td>
<td>8% of List Price per year</td>
<td></td>
</tr>
<tr>
<td>IPI-SVC-REM247</td>
<td>IPI Customized Upgrade to 24x7 Telephone Assistance during Warranty Period, per year - Upgrade the standard 2 year warranty to remote 24x7 Telephone Assistance, 365 days/year</td>
<td>8% of List Price per year</td>
<td></td>
</tr>
<tr>
<td>IPI-SVC-ADVREP</td>
<td>IPI Customized Advanced Hardware Replacement Service, per year - Next Business Day shipment of replacement parts</td>
<td>10% of List Price per year</td>
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</tr>
<tr>
<td>IPI-SVC-GOLD</td>
<td>IPI Customized GOLD SUPPORT, per year - TAC Support: 24 hours per day, 365 days per year HW Support: Factory Repair &amp; Return - 10 day turnaround SW Support: Automatic notification and supply of software updates and feature release upgrades</td>
<td>12% of List Price per year</td>
<td></td>
</tr>
<tr>
<td>IPI-SVC-PLAT</td>
<td>IPI Customized PLATINUM SUPPORT, per year - TAC Support: 24h per day, 365 days per year HW Support: Advanced HW Replacement Service SW Support: Automatic notification and supply of software updates and feature release upgrades</td>
<td>18% of List Price per year</td>
<td></td>
</tr>
<tr>
<td>IPI-SVC-ONSINS</td>
<td>IPI Customized On Site Installation is a service to set up, connect and make the IPI-provided EFM broadband system operational. Includes physical mounting of EFM hardware, EFM cabling and software installation. Priced per job and is included in an IPI Statement of Work (SOW).</td>
<td>CALL IPI</td>
<td></td>
</tr>
<tr>
<td>IPI-TRN-ACT</td>
<td>IPI Customized Two-day training course. Provides student with details on set-up and operation of EFM broadband system. Course conducted at IPI facility. Priced per student</td>
<td>$2,500.00</td>
<td></td>
</tr>
<tr>
<td>IPI-TRN-ACTCUS</td>
<td>IPI Customized Two-day training course. Provides student with details on set-up and operation of IEFM broadband system. Course conducted at customer facility. Priced per site with maximum of 8 students. (Instructor travel expenses not included) Requires 14 day advanced notice</td>
<td>$6,000.00</td>
<td></td>
</tr>
</tbody>
</table>
**PRODUCT CODE** | **DESCRIPTION** | **GSA PRICE** | **HARDWARE WARRANTY**
--- | --- | --- | ---
IPI-MVT-3001-1CSP-OR | CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH ONE CAMERA & ONBOARD RECORDER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, onboard storage including Video Management Software and a 960 Watt solar array. | $34,469.00 | 12 Months
IPI-MVT-3001-2CSP-OR | CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS & ONBOARD RECORDER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, onboard storage including Video Management Software and 960 Watt solar array. | $35,932.00 | 12 Months
IPI-MVT-3001-3CSP-OR | CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH THREE CAMERAS & ONBOARD RECORDER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (3) PTZ HD cameras, onboard storage including Video Management Software and 960 Watt solar array. | $37,394.00 | 12 Months
IPI-MVT-3001-4CSP-OR | CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH FOUR CAMERAS & ONBOARD RECORDER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (4) PTZ HD cameras, onboard storage including Video Management Software and 960 Watt solar array. | $38,857.00 | 12 Months
IPI-MVT-3001-1CSP-CR | CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH ONE CAMERA & 3G/4G/LTE CELLULAR ROUTER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, cellular router and 960 Watt solar array. | $33,094.00 | 12 Months
IPI-MVT-3001-2CSP-CR | CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS & 3G/4G/LTE CELLULAR ROUTER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, cellular router and 960 Watt solar array. | $34,557.00 | 12 Months
IPI-MVT-3001-3CSP-CR | CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH THREE CAMERAS & 3G/4G/LTE CELLULAR ROUTER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (3) PTZ HD cameras, cellular router and 960 Watt solar array. | $36,019.00 | 12 Months
IPI-MVT-3001-4CSP-CR | CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH FOUR CAMERAS & 3G/4G/LTE CELLULAR ROUTER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (4) PTZ HD cameras, cellular router and 960 Watt solar array. | $37,482.00 | 12 Months
<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
<th>GSA PRICE</th>
<th>HARDWARE WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPI-MVT-3002-1CSP-OR</td>
<td>CCTV LIGHT DUTY SURVEILLANCE TRAILER WITH ONE CAMERA &amp; ONBOARD RECORDER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, onboard storage including Video Management Software and 960 Watt solar array.</td>
<td>$21,856.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3002-2CSP-OR</td>
<td>CCTV LIGHT DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS &amp; ONBOARD RECORDER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, onboard storage including Video Management Software and 960 Watt solar array.</td>
<td>$23,320.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3002-1CSP-CR</td>
<td>CCTV LIGHT DUTY SURVEILLANCE TRAILER WITH ONE CAMERA &amp; 3G/4G/LTE CELLULAR ROUTER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, cellular router and 960 Watt solar array.</td>
<td>$20,481.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3002-2CSP-CR</td>
<td>CCTV LIGHT DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS &amp; 3G/4G/LTE CELLULAR ROUTER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, cellular router and 960 Watt solar array.</td>
<td>$21,944.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-1CGP-OR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH ONE CAMERA &amp; ONBOARD RECORDER (GAS POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, onboard storage including Video Management Software and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$41,709.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-2CGP-OR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS &amp; ONBOARD RECORDER (GAS POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, onboard storage including Video Management Software and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$43,171.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-3CGP-OR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH THREE CAMERAS &amp; ONBOARD Recorder (GAS POWERED) - Enclosed hybrid powered trailer system with (3) PTZ HD cameras, onboard storage including Video Management Software and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$44,634.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-4CGP-OR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH FOUR CAMERAS &amp; ONBOARD Recorder (GAS POWERED) - Enclosed hybrid powered trailer system with (4) PTZ HD cameras, onboard storage including Video Management Software and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$46,096.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>PRODUCT CODE</td>
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<td>HARDWARE WARRANTY</td>
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</tr>
<tr>
<td>IPI-MVT-3001-1CGP-CR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH ONE CAMERA &amp; 3G/4G/LTE CELLULAR ROUTER (GAS POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, cellular router and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$40,334.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-2CGP-CR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS &amp; 3G/4G/LTE CELLULAR ROUTER (GAS POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, cellular router and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$41,796.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-3CGP-CR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH THREE CAMERAS &amp; 3G/4G/LTE CELLULAR ROUTER (GAS POWERED) - Enclosed hybrid powered trailer system with (3) PTZ HD cameras, cellular router and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$43,259.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-4CGP-CR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH FOUR CAMERAS &amp; 3G/4G/LTE CELLULAR ROUTER (GAS POWERED) - Enclosed hybrid powered trailer system with (4) PTZ HD cameras, cellular router and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$44,721.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3002-1CGP-OR</td>
<td>CCTV LIGHT DUTY SURVEILLANCE TRAILER WITH ONE CAMERA &amp; ONBOARD RECORDER (GAS POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, onboard storage including Video Management Software and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$29,096.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3002-2CGP-OR</td>
<td>CCTV LIGHT DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS &amp; ONBOARD RECORDER (GAS POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, onboard storage including Video Management Software and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$30,558.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3002-1CGP-CR</td>
<td>CCTV LIGHT DUTY SURVEILLANCE TRAILER WITH ONE CAMERA &amp; 3G/4G/LTE CELLULAR ROUTER (GAS POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, cellular router and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$27,721.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>PRODUCT CODE</td>
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</tr>
<tr>
<td>IPI-MVT-3002-2CGP-CR</td>
<td>CCTV LIGHT DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS &amp; 3G/4G/LTE CELLULAR ROUTER (GAS POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, cellular router and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$29,183.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-1CSP-ORCR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH ONE CAMERA &amp; ONBOARD RECORDER &amp; 3G/4G/LTE CELLULAR ROUTER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, onboard storage including Video Management Software, cellular router and 960 Watt solar array.</td>
<td>$36,299.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-2CSP-ORCR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS &amp; ONBOARD RECORDER &amp; 3G/4G/LTE CELLULAR ROUTER (SOLAR POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, onboard storage including Video Management Software, cellular router and 960 Watt solar array.</td>
<td>$37,761.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-1CGP-ORCR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH ONE CAMERA &amp; ONBOARD RECORDER &amp; 3G/4G/LTE CELLULAR ROUTER (GAS POWERED) - Enclosed hybrid powered trailer system with (1) PTZ HD camera, onboard storage including Video Management Software, cellular router and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$43,538.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MVT-3001-2CGP-ORCR</td>
<td>CCTV HEAVY DUTY SURVEILLANCE TRAILER WITH TWO CAMERAS &amp; ONBOARD RECORDER &amp; 3G/4G/LTE CELLULAR ROUTER (GAS POWERED) - Enclosed hybrid powered trailer system with (2) PTZ HD cameras, onboard storage including Video Management Software, cellular router and Gasoline generator including microprocessor control with diagnostics.</td>
<td>$45,001.00</td>
<td>12 Months</td>
</tr>
</tbody>
</table>
## Hazardous Area Cameras

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
<th>GSA PRICE</th>
<th>HARDWARE WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPI-AMZ-3041-2</td>
<td>Color analog camera. Housed in a heavy-duty cast aluminum weatherproof housing with an automatic heater and blower that is certified for Class 1 Division 1, groups B through D. (Lens purchased separately)</td>
<td>$1,991.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-AMZ-HD41-2-S</td>
<td>Color analog camera. Housed in a heavy-duty stainless steel weatherproof housing with an automatic heater and blower that is certified for Class 1 Division 1, groups B through D. (Lens purchased separately)</td>
<td>$2,690.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-AMZ-HD41-2</td>
<td>Color 1080p HD camera. 3 to 9 mm motorized zoom lens. Housed in a heavy-duty cast aluminum weatherproof housing with an automatic heater and blower that is certified for Class 1 Division 1, groups B through D.</td>
<td>$2,091.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-APTZ-3045-04</td>
<td>Color analog camera with 36x optical zoom. Automatic focus, auto iris, and low-light function. Housed in a heavy-duty stainless steel weatherproof enclosure. Certified by Factory Mutual for Class 1 Division 1, groups B, C, and D.</td>
<td>$13,960.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-APTZ-3045-07</td>
<td>Color HD camera with 30x optical zoom. Automatic focus, auto iris, and low-light function. Housed in a heavy-duty stainless steel weatherproof enclosure. Certified by Factory Mutual for Class 1 Division 1, groups B, C, and D.</td>
<td>$14,958.00</td>
<td>12 Months</td>
</tr>
</tbody>
</table>

## High Definition Pan-Tilt-Zoom – IP Ready – Color Cameras

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
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<th>GSA PRICE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>IPI-PTZ-HD30-18-30POEt</td>
<td>PAN-TILT-ZOOM VIDEO CAMERA - HD Color IP Pan/Tilt/Zoom Camera with 30x Optical Zoom and Starlight technology. IR distance of 150m. 1080p resolution. Camera is housed in an IP66 rated dome. PoE (injector included).</td>
<td>$1,629.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-PTZ-HD30-18</td>
<td>PAN-TILT-ZOOM VIDEO CAMERA - HD Color IP Pan/Tilt/Zoom Camera with 40x Optical Zoom. Integrated IR illuminators with a distance of 200m. 1080p resolution. Camera is housed in an IP66 rated dome. PoE (injector included).</td>
<td>$2,082.00</td>
<td>12 Months</td>
</tr>
</tbody>
</table>
**IPI GSA PRICE LIST – INDUSTRIAL VIDEO & CONTROL**

**GSA SCHEDULE No: GS-35F-0740P**

**EFFECTIVE DATE: OCTOBER 2019**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>IPI-MZ-HD32-10-MIL</td>
<td>FIXED BULLET HD Color IP Camera with 1080p resolution. IP ready. Auto iris. MJPEG, H.264. Includes a motorized 3 - 9mm zoom lens. IP66. Suitable for indoor or outdoor use. IEEE802.3af compliant POE, 12 VDC.</td>
<td>$622.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MZ-HD32-10</td>
<td>FIXED BULLET HD Color IP Camera with 1080p resolution. IP ready. Auto iris. MJPEG, H.264. Includes a motorized 3 - 9mm zoom lens. IP66. Suitable for indoor or outdoor use. IEEE802.3af compliant POE, 12 VDC.</td>
<td>$531.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MZ-HD30-8-MIL</td>
<td>LOW LIGHT DOME CAMERA- Color 1080p HD mini dome fixed camera. 4x motorized optical zoom. Direct IP Connection. Integrated IR illuminators with 20m range. IP66 IK10-rated enclosure. H.264, MJPEG. PoE, 12VDC</td>
<td>$499.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-MZ-HD30-8</td>
<td>LOW LIGHT DOME CAMERA- Color 1080p HD mini dome fixed camera. 3x motorized optical zoom. Direct IP Connection. Integrated IR illuminators with 40m range. IP66 IK10-rated enclosure. H.264, MJPEG. PoE, 12VDC, 24VAC</td>
<td>$504.00</td>
<td>12 Months</td>
</tr>
</tbody>
</table>

**Thermal – IP Ready – Cameras**

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
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<th>HARDWARE WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPI-FV-3532-6-7-POE</td>
<td>High Resolution Thermal IP-camera housed in a rugged outdoor enclosure. 35mm lens included. IP and analog connectivity (NTSC). M-JPEG, H.264 video at 30 FPS. Copper (RJ-45). 12-24 VDC/ 24 VAC/ IEEE 802.3af compliant PoE</td>
<td>$9,064.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-FV-3543-1-7-POEu</td>
<td>Thermal imager in IP-67 rated tube designed to detect hydrocarbons. Sun shield and mount arm included. PoE (High-power injector included)</td>
<td>$9,971.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-PTZ-3532-1-1305024A</td>
<td>PAN-TILT OUTDOOR THERMAL/VIDEO CAMERA - Dual imaging PTZ camera. Thermal &amp; Digital video camera mounted on precision pan-tilt base. High resolution thermal camera with 50mm lens. 1080p HD optical camera with 30x zoom. IP ready. 30 FPS. MJPEG, H.264.110 VAC.</td>
<td>$19,038.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-PTZ-3539-1-3035AC</td>
<td>Thermal imager in IP-67 rated tube designed to detect hydrocarbons. Sun shield and mount arm included. PoE (High-power injector included)</td>
<td>$27,199.00</td>
<td>12 Months</td>
</tr>
</tbody>
</table>
# IPI GSA PRICE LIST – INDUSTRIAL VIDEO & CONTROL

**GSA SCHEDULE No: GS-35F-0740P**

**EFFECTIVE DATE: OCTOBER 2019**

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**PRODUCT CODE** | **DESCRIPTION** | **GSA PRICE** | **HARDWARE WARRANTY**
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## Video Relay Servers

*Note: Contact IPI for customized server requirements (Processor, Storage, Redundancy, Rack Mount, Maintenance)*

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>IPI-THVRS-4004</td>
<td>4 Camera Video Relay Server - IPI Customized Tower or Rack Mount Server – Fully Redundant Hard Drives (RAID 1) Intel E3-1200v5 Xeon Server. 8GB DDR. 2TB HDD. MS Windows Server 2016 R2</td>
<td>$4,280.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-THVRS-4008</td>
<td>8 Camera Video Relay Server - IPI Customized Tower or Rack Mount Server – Fully Redundant Hard Drives (RAID 1) Intel E3-1200v5 Xeon Server. 8GB DDR. 4TB HDD. MS Windows Server 2016 R2</td>
<td>$5,376.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-THVRS-40016</td>
<td>16 Camera Video Relay Server - IPI Customized Tower or Rack Mount Server – Fully Redundant Hard Drives (RAID 5) Intel Xeon E5-2603v4. 8GB RAM. 12TB HDD. MS Windows Server 2016 R2</td>
<td>$6,506.00</td>
<td>12 Months</td>
</tr>
<tr>
<td>IPI-THVRS-40024</td>
<td>24 Camera Video Relay Server - IPI Customized Tower or Rack Mount Server – Fully Redundant Hard Drives (RAID 5) Intel Xeon E5-2603v4. 8GB RAM. 18TB HDD. MS Windows Server 2016 R2</td>
<td>$7,585.00</td>
<td>12 Months</td>
</tr>
</tbody>
</table>

## View Station Workstation

*Note: Contact IPI for customized workstation requirements*

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<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>IPI-THVSC-4300-01</td>
<td>Tower or Rack Mount Workstation - IPI Customized D1540L2 Xeon 2.6G 2LAN. 4GB RAM. 2TB HDD. Nvidia GeForce GT710 1G 4K Graphics HDMI+DVI+VGA. Two network interfaces. Keyboard and mouse. MS Windows 10 Professional 64Bit</td>
<td>$3,519.00</td>
<td>12 Months</td>
</tr>
</tbody>
</table>

## Relay Server Software

*Note: Contact IPI for customized software requirements*

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>IPI-THRSS-4001</td>
<td>1 Camera Relay Server Software Provides browser access to live and stored Video, snapshots, preset and panoramic camera control for one IVC IP camera.</td>
<td>$465.00</td>
<td>90 Days</td>
</tr>
<tr>
<td>IPI-THRSS-4004</td>
<td>4 Camera Relay Server Software Provides browser access to live and stored Video, snapshots, preset and panoramic camera control for four IVC IP cameras.</td>
<td>$1,215.00</td>
<td>90 Days</td>
</tr>
<tr>
<td>PRODUCT CODE</td>
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<td>HARDWARE WARRANTY</td>
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</tr>
<tr>
<td>IPI-THRSS-4008</td>
<td>8 Camera Relay Server Software Provides browser access to live and stored Video, snapshots, preset and panoramic camera control for eight IVC IP cameras.</td>
<td>$2,152.00</td>
<td>90 Days</td>
</tr>
<tr>
<td>IPI-THRSS-4016</td>
<td>16 Camera Relay Server Software Provides browser access to live and stored Video, snapshots, preset and panoramic camera control for sixteen IVC IP camera.</td>
<td>$3,744.00</td>
<td>90 Days</td>
</tr>
<tr>
<td>IPI-THRSS-4024</td>
<td>24 Camera Relay Server Software Provides browser access to live and stored Video, snapshots, preset and panoramic camera control for twenty-four IVC IP cameras.</td>
<td>$4,681.00</td>
<td>90 Days</td>
</tr>
</tbody>
</table>

**View Station Software**

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>IPI-THVSS-4004</td>
<td>4 Camera View Station Software Provides View Station display of up to four cameras, camera touring, alarm management, and sequential camera views</td>
<td>$933.00</td>
<td>90 Days</td>
</tr>
<tr>
<td>IPI-THVSS-4008</td>
<td>8 Camera View Station Software Provides View Station display of up to eight cameras, camera touring, alarm management, and sequential camera views</td>
<td>$1,496.00</td>
<td>90 Days</td>
</tr>
<tr>
<td>IPI-THVSS-4016</td>
<td>16 Camera View Station Software Provides View Station display of up to sixteen cameras, camera touring, alarm management, and sequential camera views</td>
<td>$2,339.00</td>
<td>90 Days</td>
</tr>
<tr>
<td>IPI-THVSS-4024</td>
<td>24 Camera View Station Software Provides View Station display of up to twenty-four cameras, camera touring, alarm management, and sequential camera views</td>
<td>$3,276.00</td>
<td>90 Days</td>
</tr>
<tr>
<td>IPI-THVSS-4099</td>
<td>99 Camera View Station Software Provides View Station display of up to ninety-nine cameras, camera touring, alarm management, and sequential camera views</td>
<td>$6,555.00</td>
<td>90 Days</td>
</tr>
</tbody>
</table>
## Equipment Install, Deinstallation, Reinstallation - Training

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
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</tr>
</thead>
<tbody>
<tr>
<td>IPI-THTR-1001-01</td>
<td>One-day training course. Provides student with details on set-up and operation of IVC Relay Server Software. Course conducted at IVC facility. Priced per student.</td>
<td>$1,490.00</td>
</tr>
<tr>
<td>IPI-THTR-1001-02</td>
<td>One-day training course. Provides student with details on set-up and operation of IVC Relay Server Software. Course conducted at customer facility. Priced per site with maximum of 8 students. Instructor travel expenses not included.</td>
<td>$3,970.00</td>
</tr>
<tr>
<td>IPI-THTR-1001-03</td>
<td>One-day training course. Provides student with details on set-up and operation of IVC Relay Server Software. Course conducted via Internet. Priced per session.</td>
<td>$1,478.00</td>
</tr>
<tr>
<td>IPI-TRN-IVC</td>
<td>Two-day training course. Provides student with details on set-up and operation of IVC View Station Software. Course conducted at IVC facility. Priced per student.</td>
<td>$985.00</td>
</tr>
<tr>
<td>IPI-TRN-IVCCUS</td>
<td>Two-day training course. Provides student with details on set-up and operation of IVC View Station Software. Course conducted at customer facility. Priced per site with maximum of 8 students. Instructor travel expenses not included.</td>
<td>$6,403.00</td>
</tr>
<tr>
<td>IPI-THTR-1002-03</td>
<td>Two-day training course. Provides student with details on set-up and operation of IVC View Station Software. Course conducted via Internet. Priced per session.</td>
<td>$2,955.00</td>
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## Equipment Install, Deinstallation, Reinstallation - Warranty and Support

<table>
<thead>
<tr>
<th>PRODUCT CODE</th>
<th>DESCRIPTION</th>
<th>HARDWARE WARRANTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>IPI-THEW-1002</td>
<td>Extended Warranty for 2nd year</td>
<td>12% of List Price, per year</td>
</tr>
<tr>
<td>IPI-THEW-1003</td>
<td>Extended Warranty for 3rd year</td>
<td>13.5% of List Price, per year</td>
</tr>
<tr>
<td>IPI-THEW-1004</td>
<td>Extended Warranty for 4th year</td>
<td>15% of List Price, per year</td>
</tr>
<tr>
<td>IPI-THSVCSUP-10RS</td>
<td>One-year end-user support subscription for IVC Relay Server Software. Includes 10 hours telephone support, unlimited email and web support, access to IVC support web site, Relay Server updates and upgrades.</td>
<td>$1,995.00</td>
</tr>
<tr>
<td>PRODUCT CODE</td>
<td>DESCRIPTION</td>
<td>GSA PRICE</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>IPI-THSVCSUP-30RS</td>
<td>One-year end-user support subscription for IVC Relay Server and View Station Software. Includes 30 hours telephone support, unlimited email and web support, access to IVC support web site, Relay Server and View Station updates and upgrades.</td>
<td>$4,800.00</td>
</tr>
<tr>
<td>IPI-THSVCSUP-HR</td>
<td>Hourly end-user out-of-warranty telephone support for IVC Relay Server software and View Station software. Hourly rate is applicable for any fraction of an hour. Does not include any software upgrade charges.</td>
<td>$175 per hour</td>
</tr>
<tr>
<td>IPI-THSVC-INSTALL-OS</td>
<td>Provides on-site assistance with the final set-up and configuration of the video system hardware and software. Includes physical mounting of cameras, cabling, or other equipment installation, or network installation, or troubleshooting. Priced per-day. Travel and Expenses are not included</td>
<td>$1800 per day</td>
</tr>
<tr>
<td>IPI-THSVC-INSTALL</td>
<td>On Site Installation is a service to set up, connect and make the IPI-provided video system operational. Includes physical mounting of cameras, cabling, video relay server and software. Priced per job and is included in the IPI Statement of Work (SOW).</td>
<td>CALL IPI</td>
</tr>
<tr>
<td>IPI-THSVC-SUPPORT</td>
<td>On Site Support is an annual service contract to maintain or troubleshoot and repair the IPI-provided video system. Includes on site support of the IPI-provided video system and can be customized to match user support requirements. Priced per job and is included in the IPI Statement of Work (SOW).</td>
<td>CALL IPI</td>
</tr>
</tbody>
</table>
**INVOICE**

Invoice Number: IPI 860-CC  
Invoice Date: 12/21/2018  
Invoice Due Date: 12/21/2018

**Bill To:**  
FAA / El Segundo, CA  
777 S. Aviation Blvd.  
Suite 150  
El Segundo, CA 90245  
Attn: Esmeraldo Talistas

**Ship To:**  
FAA Hilo Air Traffic Control Tower  
1 General Lyman Field  
Hilo, HI 96720  
Attn: Michael Datuin 808-372-7586

<table>
<thead>
<tr>
<th>Purchase Order</th>
<th>Terms</th>
<th>PROJECT</th>
<th>FOB</th>
</tr>
</thead>
<tbody>
<tr>
<td>HILO-CTD</td>
<td>Credit Card</td>
<td>FAA - Hilo, HI</td>
<td>Memphis, TN</td>
</tr>
<tr>
<td>Item</td>
<td>Part No.</td>
<td>Qty</td>
<td>Description</td>
</tr>
</tbody>
</table>
| 1 | IPI-TH046501RG0 | 4 | ML624 – ROHS6  
4 pairs, 4x10/100BaseT +1 SFP for  
100Base-FX, standard QoS, ROHS-6 compliant | 1,046.50 | 4,186.00 |
| 2 | IPI-TH06506R00 | 4 | AC-DC Adapter for ML624 | 71.25 | 285.00 |
| 3 | IPI-TH070510R21 | 2 | Rack Mount Kit for two ML600 units  
Supports 2 x ML500/ML600/ML700 | 109.30 | 218.60 |
| 4 | IPI-FREIGHT | 1 | Estimated Freight Charges:  
Millington, TN to Hilo, HI  
UPS Ground Service | 138.60 | 138.60 |

**GSA ORDER**  
**GS-35F-0740P**  
**HILO-CTD**

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
FOR ANY QUESTIONS  
PLEASE CONTACT IPI  
TOM HURLEY  
714-557-5200

|| THANK YOU FOR YOUR BUSINESS ||

- We value our business relationship with the FAA -

Sales Tax (0.0%) $0.00

Total: $4,828.20

---

Please Send Payment To:  
IP Integration, Inc.  
PO Box 28617  
Santa Ana, CA 92799-8617

EFT Information:  
Bank: Wells Fargo  
Bank Account Number: 9286332367  
Bank Account Name: IP Integration, Inc.  
ABA Routing Number: 122000247
# INVOICE

## Invoice Details

- **Invoice Number:** IPI 896-CC
- **Invoice Date:** 7/29/2019
- **Invoice Due Date:** 7/29/2019

### Ship To:

**FAA Staging Area**  
210 South Geospace Drive  
Independence, MO 64056  
Attn: Jason Hasenohr  
816-329-3975

### Bill To:

**FAA Staging Area**  
210 South Geospace Drive  
Independence, MO 64056  
Attn: CTD Systems PA29 EUG-MC/1  
816-329-3975

## Items

<table>
<thead>
<tr>
<th>Purchase Order</th>
<th>Terms</th>
<th>PROJECT</th>
<th>FOB</th>
<th>Description</th>
<th>Unit Price</th>
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<tbody>
<tr>
<td>OF19-1010-1</td>
<td>Credit Card</td>
<td>FAA - Staging Area</td>
<td>Destination</td>
<td>4 pairs, 4x10/100BaseT +1 SFP for 100Base-FX, standard QoS, ROHS-6 compliant</td>
<td>1,046.50</td>
<td>4,186.00</td>
</tr>
<tr>
<td>1</td>
<td>IPI-TH046501RG0</td>
<td></td>
<td></td>
<td>Note: SFP ordered separately</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>IPI-TH006506RO0</td>
<td></td>
<td></td>
<td>AC-DC Adapter for ML624</td>
<td>71.25</td>
<td>285.00</td>
</tr>
<tr>
<td>3</td>
<td>IPI-TH070510R21</td>
<td></td>
<td></td>
<td>Rack Mount Kit for two ML600 units Supports 2 x ML500/ML600/ML700</td>
<td>109.30</td>
<td>218.60</td>
</tr>
</tbody>
</table>

**GSAs ORDER**

**GS-35F-0740P**

**OF19-1010-1**

~*~ ~*~ ~*~

---

**FOR ANY QUESTIONS**

PLEASE CONTACT IPI  
TON HURLEY  
714-557-5200

|| THANK YOU FOR YOUR BUSINESS ||

---

- **Sales Tax (0.0%)**  
  - **$0.00**

- **Total:**  
  - **$4,689.60**

---

- **We value our business relationship with the FAA**

---

**EFT Information:**  
Bank: Wells Fargo  
Bank Account Number: 9286332367  
Bank Account Name: IP Integration, Inc.  
ABA Routing Number: 122000247

---

**IP Integration, Inc.**  
PO Box 28617  
Santa Ana, CA 92799  
Phone: (714) 557-5200

---

**IP SAMPLE INVOICE**  
GSA SCHEDULE No: GS-35F-0740P  
EFFECTIVE DATE: OCTOBER 2019

---

**IP Integration, Inc.**  
PO Box 28617  
Santa Ana, CA 92799  
Phone: (714) 557-5200

---

**IP Integration, Inc.**  
(Securing Your Connection to the Future)
IVC MobileVision Products

MVT-3001

- Customizable mobile surveillance platform
- Solar or engine powered
- Large battery backup
- Operates in extreme environments
- Remotely monitored and controlled
- 24/7 unattended operation
- Wide track trailer for maximum stability
- Multiple camera options

Choose from our standard options or have IVC customize a solution that exactly meets your mobile surveillance needs.
MVT-3001 Trailer Specifications

<table>
<thead>
<tr>
<th>Trailer Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
</tr>
<tr>
<td>Length</td>
</tr>
<tr>
<td>Height</td>
</tr>
<tr>
<td>Weight</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Camera / Equipment Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mounted at top of mast</td>
</tr>
<tr>
<td>Temperature Controlled Fan</td>
</tr>
<tr>
<td>CAT6 &amp; 1.5mm/2 Electric Cables</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trailer Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axle</td>
</tr>
<tr>
<td>Mast Raise/Extension</td>
</tr>
<tr>
<td>Mast height</td>
</tr>
<tr>
<td>Wind Rating Speed</td>
</tr>
<tr>
<td>Lighting Package</td>
</tr>
<tr>
<td>Anti-theft Measures</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Battery</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batteries</td>
</tr>
<tr>
<td>Capacity</td>
</tr>
<tr>
<td>Voltage</td>
</tr>
<tr>
<td>Material</td>
</tr>
<tr>
<td>Supplied Voltage</td>
</tr>
</tbody>
</table>

MVT-3001 Standard Options

- Power plant
  - 960 watt solar array
  - Combustion engine
  - 100 - 240 VAC
  - Storage battery array

- Cameras
  - 1 - 5 camera configurations
  - 30x HD PTZs with or without integrated illumination
  - HD fixed cameras
  - Standard and radiometric thermal cameras
  - LPR (license plate recognition) cameras

- Local audio/visual alarm indicators
- Local NVFR for video storage and management

- Wireless connectivity
  - 4G LTE cellular w/WiFi
  - 2.4GHz, 5GHz, 900MHz radio
  - 2-way audio

ICV surveillance trailers are well-suited for use in a variety of security & monitoring applications.

- Remote Construction Monitoring
- Emergency Management
- Public Safety/Event Management
- Homeland Security/Crime Prevention
- Remote Facilities Monitoring
IVC MobileVision Products

**MVT-3002**

- 600 Watt Solar Panel
- Lightweight Design, Easily Towed
- Operates in extreme environments
- Remotely monitored and controlled
- 24/7 unattended operation
- Edge Recording / Storage
- Optional alarm strobe light
- HD PTZ IP Camera
### Lightweight Surveillance Trailer Specifications

<table>
<thead>
<tr>
<th>Tower Dimensions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
<td>1200mm/3' 11”</td>
</tr>
<tr>
<td>Length</td>
<td>3400mm/11’ 1”</td>
</tr>
<tr>
<td>Height</td>
<td>2975mm/9’ 9”</td>
</tr>
<tr>
<td>Camera / Equipment Box</td>
<td>Mounted at top of mast Temperature Controlled Fan</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Trailer Details</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Axle</td>
<td>A/T single axle</td>
</tr>
<tr>
<td>Mast Raise/Extension</td>
<td>Manual winch</td>
</tr>
<tr>
<td>Mast height</td>
<td>20ft Mast</td>
</tr>
<tr>
<td>Wind Rating Speed</td>
<td>100kph</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Solar System</th>
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</thead>
<tbody>
<tr>
<td>No. of Solar Panel</td>
<td>2 x 300W</td>
</tr>
<tr>
<td>Panel Wattage/Output</td>
<td>600W</td>
</tr>
<tr>
<td>Panel Material</td>
<td>Monocrystal Silicon</td>
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<tr>
<td>Controller</td>
<td>Maximum Power Point Tracking (MPPT)</td>
</tr>
<tr>
<td>Battery</td>
<td></td>
</tr>
<tr>
<td>No. of Battery</td>
<td>2 x 200AH</td>
</tr>
<tr>
<td>Capacity</td>
<td>400AH</td>
</tr>
<tr>
<td>Voltage</td>
<td>DC 12V</td>
</tr>
<tr>
<td>Material</td>
<td>Colloid</td>
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<tr>
<td>Supplied Voltage</td>
<td>24V</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PTZ Camera</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective Pixels</td>
<td>1920 x 1080 (HDTV 1080p)</td>
</tr>
<tr>
<td>Focal Length</td>
<td>30x optical zoom</td>
</tr>
<tr>
<td>Compression</td>
<td>M-JPEG, H.264</td>
</tr>
<tr>
<td>Minimum Illumination</td>
<td>Color: 0.05 Lux@F1.6 B/W: 0.005 Lux@F1.6</td>
</tr>
<tr>
<td>Edge Storage</td>
<td>Micro SD, Max 64GB</td>
</tr>
<tr>
<td>Recording</td>
<td>Edge software records video data on SD Card</td>
</tr>
</tbody>
</table>

### ordering information

**MVT-3002**

The base model described here can be customized to suit your application needs.
Rugged Outdoor Dual Imaging IP Camera
PTZ-3532-1

- Dual imaging camera for security monitoring
- High-resolution thermal camera
- 1080p HD camera with 30x optical zoom
- Remote pan/tilt/zoom controls

Precise object detection in any lighting conditions

The PTZ-3532-1 network camera is a full-spectrum camera solution designed by Industrial Video & Control. It includes a thermal imager for viewing in poor lighting conditions. The high contrast thermal imager enables the user to readily identify objects in both direct sunlight and absolute darkness. A variety of lens options are available to suit most applications.

For detailed visual confirmation, the camera also includes a 1080p HD camera. The camera has a 30x optical zoom that, along with the pan/tilt unit, can be remotely and precisely controlled using IVC’s camera management software.

Mounted on a robust pan/tilt unit, the PTZ-3532-1 camera is capable of precise positioning and rapid movement over a 360° arc of view. The camera is ready for mounting and only requires power and a network connection.
### specifications

**THERMAL IMAGER**

- Focal Plane Array: 640 x 480 microbolometer
- Spectral Range: 8-14 µm LWIR
- Pitch: 17 µm
- Focal Length: See lens options
- Field of View: See lens options
- Resolution: 640 x 480
- NETD: <50 mK

**OPTICAL IMAGER**

- Imager: 1/2.9" Sony CMOS
- Resolution: 1920 x 1080
- Minimum Illumination: Color: 0.1 Lux
  - B/W: 0.05 Lux
- Shutter Speed: 1/10000 to 1/25 seconds
- Zoom: 30x
- Focal Length: 4.3mm to 129mm
- Field of View: 58.9° to 2.11°

**GENERAL**

- Frame Rate: 30 FPS VISUAL, 30/9 FPS THERMAL
- Compression: MJPEG, H.264
- Network: 10/100 Mbps Ethernet (RJ-45)
- Protocols: TCP/IP, HTTP, FTP, SMTP
- I/O: 1 Input/1 Output
- Pan Angle: 360°
- Pan Speed: 40° Per Second
- Tilt Angle: -80° to 33°
- Tilt Speed: 20° Per Second
- Voltage Required: 24 VAC, 110 VAC
- Power Consumption: 70W max
- Operating Temperature: -29° ~ 50°C
- Weight: 20 lbs
- Dimensions: 16.1"H x 13.5"D x 7.1"W
- Mount: Pedestal
- Protection Class: IP66

### features

- **Thermal imager** provides reliable surveillance in complete darkness, over water, fog, snow and rain
- **1080p high-definition broadcast quality video**
- **Rated IP66** for use in all weather conditions

### ordering information

**PTZ-3532-1-FnCLV**

<table>
<thead>
<tr>
<th>V</th>
<th>Voltage Required</th>
</tr>
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<tbody>
<tr>
<td>24A</td>
<td>24 VAC</td>
</tr>
<tr>
<td>110A</td>
<td>110 VAC</td>
</tr>
<tr>
<td>L</td>
<td>Thermal Lens</td>
</tr>
<tr>
<td>9</td>
<td>9 mm</td>
</tr>
<tr>
<td>16</td>
<td>16.7 mm</td>
</tr>
<tr>
<td>35</td>
<td>35 mm</td>
</tr>
<tr>
<td>50</td>
<td>50 mm</td>
</tr>
</tbody>
</table>

**C** | Optical Camera |
| 30 | 30x HD |
| -Fn | Connection |
| 1 | 100BASE-T (RJ-45) |

### IVC camera management software

**Point & click camera management & control**
Robust, enterprise class software to manage and control your cameras and video from anywhere in the world.
Pan/Tilt/Zoom HD Color Camera

PTZ-HD30-18

- 1080p HD video with 30x optical zoom
- Suitable for harsh weather environments & indoor applications
- H.264, MJPEG multi-streaming
- Excellent low-light performance
- Integrated IR illuminators
- PoE

Rugged 1080p HD PTZ camera for low light applications

The PTZ-HD30-18 is a high quality, high-definition color video camera with outstanding low-light performance. It has a 30x motor-driven optical zoom. The PTZ-HD30-18 can provide multiple streams of high frame rate video.

The camera automatically switches to black and white and removes an IR cut filter to increase sensitivity in low light conditions. The integrated IR LEDs provide quality performance in complete darkness up to 150 meters.

The high speed, tilt, and zoom functions can be controlled automatically and precisely from anywhere using the click-to-point and preset view features of IVC’s camera management software packages.

The camera is housed in a weatherproof enclosure rated IP66. It requires only a power source and Ethernet connection for installation.
specifications

- Imager: 1/2.8” STARVIS™ CMOS
- Resolution: 1920(H)x1080(V)
- Shutter Speed: 1 to 1/3000,000 Seconds
- Minimum Illumination: Color: 0.005 Lux@F1.6
  0 Lux to 150m with IR ON
- F number: F1.6
- Focal Length: 2.4” – 67.8”
- Zoom ratio: 30x
- Iris: Auto and Manual
- Day/night: Auto
- Focus: Auto and Manual
- White Balance: Auto, Manual, ATW
- Pan Angle: 360°
- Pan Speed: 300° Per Second
- Tilt Angle: -15° to 90°; auto flip 180°
- Tilt Speed: 150° Per Second
- I/O Terminals: 2 Inputs; Output
- Ethernet: 100Base-TX/10BaseT (TJ-45)
- Protocols: TCP/IP, HTTP, HTTPS, FTP, SMTP
- Compression: M-JPEG, H.265/H.264
- Frame Rate: 30 FPS
- Voltage Required: 24 VAC, PoE, 100 - 240 VAC**
- Power Consumption: 23W max (with heaters)/R on
- Weight: 7.72 lbs. (dome only)
- Operating Temperature: -40°C - 70°C
- Dimensions: Ø 7.32” x 12.17” H (dome only)
- Mount: Wall mount standard
- Enclosure Rating: IP66

* VAC version includes UDA1 wall mount arm

features

- 1080p high-definition broadcast quality images for detailed post-event analysis
- 30 frames per second for smooth video
- Rated IP66 for all weather applications

ordering information

PTZ-HD30-18-C-V

<table>
<thead>
<tr>
<th>-V</th>
<th>Voltage Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>802.3at Power over Ethernet &amp; 24VAC</td>
<td></td>
</tr>
<tr>
<td>AC</td>
<td>100 - 240 VAC*</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>-C</th>
<th>Camera</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>30x Optical Zoom</td>
</tr>
</tbody>
</table>

IVC camera management software

Point & click camera management & control
Robust, enterprise class software to manage and control your cameras and video from anywhere in the world.

accessories

- MB-100-05 Pole Mount Bracket
- MB-100-08 Corner Mount Bracket
- MB-100-13 Ceiling Mount Bracket

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ML2300 Ethernet Aggregation Switch

The Actelis® ML2300 is a compact, next-generation Ethernet aggregation platform that delivers high-speed Ethernet services.

With Actelis' best-in-class Ethernet over copper solutions, incorporating EFMplus™ and CP6 technologies, the ML2300 delivers unprecedented Rate, Reach and Reliability over existing copper facilities, enabling wide-scale deployment of Ethernet services and infrastructure. The ML2300 is available with front and rear access options and installs within minutes, enabling immediate deployment of broadband services. The ML2300 offers a density of up to 64 ports per Rack unit (RU). The ML2300 is interoperable with any standard Ethernet switch or router and aligned with Metro Ethernet Forum (MEF) recommendations, enabling Actelis systems to seamlessly integrate into carrier Ethernet networks.

Architecturally, the ML2300 platform serves as a Central Office (CO) aggregator in a Point-to-Multipoint topology connecting to multiple ML600 (copper) and ML600 (fiber) Ethernet Access Devices (EADs). For copper deployments, each ML600 EAD is connected to the ML2300 via a High-Speed Link (HSL) comprising 1-16 bonded-copper pairs and offering up to 230 Mbps per HSL. A number of ML600 systems can be stacked in a Star or Ring topology, providing flexible topology layouts and higher port density per uplink. To meet higher bandwidth and/or reach requirements, the Actelis ML2300 can be used as an EAD bonding up to 32 pairs per HSL, offering more than 460Mbps per HSL. The ML2300 HSLs can be used both for aggregation and service distribution.

The ML2300 has two Service Dispatcher Unit (SDU) slots and four Multiprotocol Line Unit (MLU) slots, allowing for incremental service growth, equipment redundancy, MPLS (Multi Protocol Layer) redundancy and flexible modem allocation (lany modem to any HSL) using pluggable cards. A variety of SDU and MLU cards exist, supporting different numbers of Ethernet and modem ports per chassis. The MLU-32E2F: MLU-32E2, MLU-32D2F and MLU-32DR line units offer 32 T1 modem per card and up to 128 modems per shelf. The MLU-64DR and MLU-64DF line units offer superior density of 64 T1/DS1 links per card and up to 256 ports per ML2300. When equipped with MLU-64D/6DR or MLU-32D/32RD, the ML2300 offers significantly increased bandwidth over bonded copper by utilizing Actelis' CP6 technology.

The SDU-440/450 linecard series offer advanced Ethernet switching capability as well as multiple uplinks, providing flexible integration into Ethernet and SONET/SDH networks. The ML2300's Small Form-factor Pluggable (SFP) ports accept standard 100Base-FX, 1000Base-FX, 2500BaseFX, 1000Base-T and T3/E3 modules. Digital Diagnostics Monitoring (DDM) capabilities are supported for enhanced diagnostic and troubleshooting.

The ML2300 can dramatically increase reach by utilizing Actelis’ XFP239 G.SHDSL Repeaters and Actelis’ PFP-8x units for repeaters remote powering. The ML2300 can support up to 8 hops (9 segments), with each XFP239 supporting 2 copper pairs.

The ML2300 supports current and evolving MEF service requirements, supporting 2000 EVC flows meters, policing and shapers. Additionally, the ML2300 provides 802.1Q VLAN-aware wire-speed bridging, optimizes multicast traffic via IGMP v1/v2 snooping, performs double tagging (VLAN stacking) for end-user VLAN transparency, applies 802.1p CCS classification and marking, as well as supports per port egress rate limiting. Service resiliency can be assured using Ethernet Ring Protection Switching (ERP) (G.8032), offering sub-50ms protection switching. In addition, RSTP/STP Automatic Protection Switch (APS) and Link Aggregation (LAG) protocols are supported on all Ethernet ports.

The ML2300 provides enhanced troubleshooting and OAM capabilities. The ML2300 offers proactive and reactive tools for dynamic troubleshooting and monitoring capabilities. Advanced Carrier-class EFM OAM, including 802.3ah, CCMF (802.1ag) and Y.1731 (ITU), are incorporated, offering physical link, service level end-to-end advanced troubleshooting, as well as performance and Service Level Agreement (SLA) monitoring mechanisms. In addition, the ML2300 supports bandwidth utilization monitoring per port and EVC as well as Ethernet frames triggering. Time-Domain Reflectometer (TDR) capability, integrated as part of the ML2300 along with external Metallic Loop Test (MLT) connectivity, enables an effective troubleshooting tool to locate most DSL-affecting copper problems. The information gathered includes accurate end-to-end loop loss measurement, as well as identification of various fault types impacting signal continuity between loop spans.

The ML2300 can be managed In-Band and Out-of-Band by Actelis’ MetaASSIST™ View graphical craft application and via Actelis’ multiprotocol Element Management System. MetaASSIST EMS. The management protocols include SNMP using standard MIBs, de facto standard CLI, and standard TL1 command line interface for seamless integration with third-party Network Management Systems (NMS).
PRODUCT LITERATURE – ACTELIS NETWORKS
GSA SCHEDULE No: GS-35F-0740P
EFFECTIVE DATE: OCTOBER 2019

COPPER BROADBAND SPECIALISTS
GSA Contract - August 2019
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ML630 Ethernet Access Device

The ML630 Ethernet Access Devices (EADs) from Actelis enable delivery of high-speed carrier Ethernet services over existing copper and fiber infrastructure. The ML630s are intelligent, compact EADs that deliver up to 100 Mbps of symmetrical Ethernet traffic with fiber quality over existing copper pairs.

The ML630 supports 8 copper pairs with optional SFP fiber configurations. The ML630 EAD can be deployed in a Point-to-Point configuration, optional copper Add-Drop chain, or as the CPE in a Point-to-Multi-Point configuration with Actelis' EFM switches. With its superior performance, extensive functionality and low cost, the ML630 EAD platforms offer rapid service delivery and allow for complete utilization of the existing network infrastructure.

The ML630 EAD platforms are interoperable with any standard Ethernet switch, router or hub. Compliant with Metro Ethernet Forum (MEF) specifications, ML630 EAD systems seamlessly integrate into carrier Ethernet Networks. Equipped with 4 10/100Base-T Ethernet interfaces and an optional 100/1000Base-FX Small Form Factor (SFF) port, the ML630 EAD platform allows assignment of a service or a customer port.

The ML630 EAD models let service providers create an intelligent Ethernet access edge with bandwidth limiting per ingress port and traffic shaping on the Ethernet access uplink (HSI). The ML630 is fully compliant with the MEF 9 and 14 specifications.

Powered by Actelis Networks’ award-winning EPMplus™ technology, the rate, reach and reliability are increased significantly using advanced Dynamic Spectrum Management (DSM) and Dynamic Rate Boost (DRB) techniques. This technology doubles the rate/reach in real-world field deployments. Combined with Actelis industry-leading X8239 EFM repeaters, the reach can be extended even further. All ML630 EAD models provide 802.1Q VLAN-aware wire-speed bridging, double tagging (VLAN stacking) for end-user VLAN transparency, L2 (Ethernet priority) and L3 (RIS/Diff-Serv) classification with four traffic classes, RSTP/STP, bandwidth monitoring, and Multicast/Broadcast limiting.

The ML630 EADs provide proactive and dynamic tools for enhanced trouble shooting and monitoring capabilities. Advanced Carrier-class EFM OAM, including 802.3ah, CFM (802.1ag) and Y.1731 (ITU), are incorporated, offering both physical link as well as service level end-to-end advanced troubleshooting mechanisms.

The ML630 EAD platforms can be managed In- and Out-of-Band by the MetaASSIST™ View graphical craft application and via the multi-platform Element Management System, MetaASSIST EMS. The management protocols include standard command line interface and SNMP using standard MIBs for seamless integration with third-party Network Management Systems (NMS).

**Highlights**
- IEEE 802.3ah Ethernet in the First Mile (EFM), 2Base-TL Solution
- Gigabit Ethernet
- Rapid Service Deployment
- Superior Rate, Reach & Reliability
- Low Delay and Latency for Voice and Video Transmission
- Worldwide Service Availability
- CMOS, NGN, T1C, U, GE
- Environmentally Hardened

**Applications**
- Transparent LAN Service
- Point-to-Point Access
- Metro Ethernet Extension
- Private Campus Networks
- Inter-Connection
- MDU/MTU Backhaul
- DS-LAM Backhaul
- Wi-Fi and Cable Backhaul (Data Access Network)
- Leased Lines Replacement

**Markets Served**
- LECs, CLECs, ILECs, ITPs, and Alternative Carriers
- Federal, State and Local Government Agencies
- Education, Health Care, Utilities, and Private Campuses

High Performance Broadband Over Copper
ML630

Specifications

Interfaces
- Ethernet (Network/User):
  - 10/100Base-T: 4 ports
  - Connector: RJ45, Auto-MDI-X
  - 1000/100Base-FX: 1 port (optional), Connector: SFP-based, MSA-compliant
- High Speed Link (Bonded Copper Pairs):
  - Protocol: IEEE 802.3an 10Base-TL
  - Line code: ITU-T G.995.1 rev 2
  - Bandwidth: Up to 100 Mbps (symmetrical)
  - Number of Copper Pairs: 8, Connector: RJ45 (per module/panel)
  - End-to-end Delay: 1.6 ms (typical)
- Spectral Friendliness: Dynamic Spectral Shaping (DSS)
  - Cross-talk Cancellation: Dynamic Rate Boost (DRB)
- Seating Current: 48VDC/1.8mA nominal
- Management (Out-of-Band):
  - 10/100Base-T: Connector: RJ45, Auto-MDI-X
- Craft: BIA RIS-232 (DB9), Connector: DB9

LAN Protocols
- Dynamic Bridging: IEEE 802.1, 802.1Q MAC addresses
- Discovery Mechanisms: LLD
- VLAN Tagging: IEEE 802.1Q
- Double Tagging: G-n-G
- RSTP BTP: IEEE 802.1d
- Link Aggregation: IEEE 802.3ad
- Provider Bridges: IEEE 802.1Q
- OAM: IEEE 802.3ah clause 57
  - IFM OAM: IEEE 802.1ag, IFM OAM 1731, Ethernet loopback with MAC swap

Management
- Protocols:
  - SNMP: SNMP-V3, V2C, V1
  - IP addresses: IPv4 and IPv6
  - Command Line Interface: TL1, Industry Standard CLI
- Remote Access: Telnet
- Secure Access (optional): SSH v2
- Time Synchronization: NTP/VR
- Web Access: HTTP
- File transfer: TFTP
- IEEE 802.3ah EFM OAM: Dying Gasp
- User Authentication: RADIUS and/or local password

Applications
- EMS: MetaASSIST EWS
  - Craft GUI: MetaASSIST View
- Advanced Service Provisioning and Traffic Management
  - Quality of Service:
    - Classes of Service: 4
    - Scheduled: WFG, 5
    - Classification: L2 tag/pq priorities
- Front Panel Indicators (LEDs):
  - Power
  - Status
  - Alarm
  - MLP per module/panel
  - ACT (Activity)
  - LINK (Link) per Ethernet/1SL port
- Alarm Contacts:
  - Terminal Block: 2 input, 1 output

Physical
- Dimensions: Height: 1.81 / 40mm (TL), Depth: 11.02 / 280mm, Width: 8.47 / 213mm
- Weight: 9.75 lbs / 1.7 Kg
- Mounting Rack: 1 unit in 19", 22" or EIA rack, Desktop, Wall, Mount
- Power: DC 48-60 VDC nominal, 13-17 Watt (per module) AC 90-264 VAC, 47-63 Hz, 17-21 Watt (per module)

Environmental
- Operating Temp: -40° to 40°C
- Storage Temp: -40° to +70°C
- Relative Humidity: Up to 95%, non-cond.
  - Tested in accordance with NEMA temperature requirements

Regulatory Approval/Certifications
- Metro Ethernet Forum
  - CE1.0 - MF1 9, 14
- UL 60950, CS 122 2 60950
- EN 60950, EC 60950
- EMC
  - FCC Part 15 Class B
  - ICES-003 Class B
  - ETS EN 300388 Class B
  - ETSI ETS 300 132-2
  - ITU-T K29, K21
- NEBS
  - Level II (GR-1089-CORE, GR-1099-CORE)
- CE
- EMC and Safety
- GR-43-CORE
- ETSI ETS 300 019

IP Integration, Inc.
COPPER BROADBAND SPECIALISTS
GSA Contract - August 2019
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