



PESA
 WHEN AUDIO AND VIDEO ARE MENTIONED

Authorized
 Federal
 Supply
 Schedule
 Price List

GS-03F-062BA
 GSA CONTRACT NO.

On-line access to contract ordering information, terms and conditions, up-to-date pricing, and the option to create an electronic delivery order are available through GSA Advantage!, a menu-driven database system. The INTERNET address for GSA Advantage! is www.gsaadvantage.gov

**Professional Audio/Video, Telemetry/Tracking,
 Recording/Reproducing, and Signal Data Solutions
 Schedule 581
 FSC Class 5620**

Contract Number: **GS-03F-062BA**

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov

Period covered by contract: **August 1, 2014 - July 31, 2015**

Contractor Name: **PESA Switching Systems, Inc.
 103 Quality Circle, Suite 210
 Hawthorne, Arkansas 72426
 Phone (866)323-7372 Toll Free US Only
 Phone (501)726-6200
 Fax (501)726-6271**

Contract Administration Source: **General Services Administration - Middle Atlantic Region
 FSS General Procurement Branch (9700)
 20 North Eighth Street
 Philadelphia, PA 19107-0191
www.gsa.gov**

Business Size: **Small**

Catalog Revised 3/10/2016

USING THIS LIST

The products listed in this price list are both stand-alone and/or configured Audio/Video switching systems. Many of the individual modules or subassemblies can be fitted together into an operational "system" configuration that may not be listed in the accompanying information. However, using individual line items, PESA can construct virtually any possible large system configuration using items listed in the accompanying information. PESA realizes that in some cases, the GSA customer may require assistance in determining the appropriate product or configuration to meet his or her need. Configuration assistance may be obtained by calling (1-800-726-6200). Your request may also be sent via fax (215) 385-4125 or to GSA@PESA.com. **NOTE: All warranty and other terms listed in this price list are on GSA Advantage! are approximate and subject to final determination upon completion of order.**

INTERNET

PESA website address is:

<http://www.pesa.com>

This site includes product descriptions, technical information, sales offices, and ordering information. You may also download electronic files in PDF format of PESA product literature. The latest news about PESA's products, installations and upcoming trade shows is available at this site or by following PESA on Twitter @PESA_ONLINE.

General Services Administration Federal Acquisition Service

Products and ordering information in this Authorized FSS Information Technology Schedule Price List 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.gsaadvantage.gov/> and use the keyword "Pesa".

CONTRACTOR INFORMATION

GSA Contract Number	GS-03F-062BA
CAGE Code	0M96
TIN - Tax Identification Number - PESA	63-1012847
NAICS - North American Industry Code System	334220 334290 334310 334390

PESA Switching Systems, Inc. (hereafter PESA) is a manufacturer of Commercial off the Shelf (COTS) video and audio signal management focusing on the Military, Security, Education, and Commercial markets. To meet these ends, PESA offers a diverse line of products, along with the necessary supporting training and commissioning services, for video and audio capture, processing, and transmission via optical fiber, coaxial electrical circuits, and streaming media.

PESA's products include the Cheetah video and audio routing switcher mainframes, which provide architecturally scalable platforms for the processing, routing, transmission, and conversion of high definition computer generated and SMPTE compatible digital video and audio. The PESA Vidbox and QuestBox families of optical and electrical interface devices provide a variety of high bandwidth digital video signal processing, transmission, and distribution options. All PESA systems are custom engineered from a standard set of built-up modules, and accommodate virtually all of the existing computer and SMPTE video formats. The systems are designed to provide lossless, real time transmission of high integrity signals, capable of continuous operation over extended time periods. Critical path modules can be fitted with hot standby redundancy so that 100% duty cycle operation is maintained through common failure modes on power supply, system CPU, AC mains, or communications ports. Since all signal paths utilize their native baseband (non-IP) signal format, real time point to point communications is assured. Dedicated optical fiber point to point provides an added measure of security.

PESA's Video Distribution System (VDS) products in the Cheetah, Vidbox, and PESA PRO lines are certified by the US Department of Defense. This certification ensures that all Department of Defense commands and activities can take advantage of the quality and interoperability (QI) between disparate video chains that PESA's VDS systems provide. The Information Assurance (IA) testing incorporated the NIST Common Criteria requirements. The products are listed on the DoD Unified Capabilities Approved Products List available at <http://www.dau.mil/ucapl>. Search on vendor name PESA. PESA was the first manufacturer to achieve this certification.

CUSTOMER INFORMATION

14. TABLE OF AWARDED SPECIAL ITEM NUMBERS

Product Type	Page No.
Special Item Number 38-1	
Cheetah Series Routing Solutions	
Cheetah Mainframe Assemblies	1
Cheetah 64x64 Digital Routing Switchers	1
Cheetah 64x128 Digital Routing Switchers	3
Cheetah 128x128 Digital Routing Switchers	3
Cheetah 128x256 Digital Routing Switchers	4
Cheetah 64x64 Analog Routing Frames	4
Cheetah Input and Output Cards	5
Cheetah Power Supplies	5
Cheetah CWMV Cards	5
Cheetah Video Output Cards	5
Cheetah Option Cards & Accessories	5
Cheetah 4K Hardware	5
Cheetah 144 Digital Routing Switchers	6
easyPP - pluggable modules for 3G-IPNC, NTSC/PAL/AV and D/A	6
easyPORT - Multi-port Converter & Extender	7
Small Size Routing Solutions	
LSI-8 Live News Switcher-802	8
Orion Series 8x8, 16x8, 16x16	8
Mid-Size Routing Solutions	
Cougar 3G 16x16, 32x12 Digital Routing Switchers	9
Jaguar 3G-SDI 32x12, 64x14 Digital Routing Switchers	9
Mini-Switch Routing Solutions	
Quadbox - SD/HD/SDI fiber to coax converters, switches	10
Router Control Systems	
PERC 3000 Ethernet Router Control Systems	10
PERC 2000 Ethernet Router Control Systems	10
HSOPRO Router Control Systems	10
Catrax and Catrax-J Network Control Software	10
Catrax-Web Control Software	11
Router Control Systems Accessories	11
Control Panels	
PERC 3000 Control Panel Options	11
AV Control Panels	11
Multi-page/Multi-bus Panels	11
Specialized Control Panels	12
AV Control Panel Power Supplies	12
Vidbox Extenders	
Vidbox - VG/DVI to 3G-SDI (Transmitter)	12
Vidbox - 3G-SDI to VGA/DVI (Receiver)	12
Vidbox - 2K Video to Dual Link (Transmitter)	12
Vidbox - Dual Channel 3G to DVI Dual Link (Receiver)	12
Vidbox Mounting Hardware and Accessories	13
19" DVI Modules (Gen2)	13
PESA XSTREAM Multi-channel A/V Streaming	14
PESA Pro - A/V Products	14
Non-Recurring Engineering - NOT UNDER CONTRACT	14
On-Site Commissioning and Training - NOT UNDER CONTRACT	14
PESA Standard Warranty Information	TAB A
PESA Extended Warranty Information - NOT UNDER CONTRACT	TAB A
PESA Authorized Dealers	TAB B
DoD Unified Capabilities (UC) Approved Products List (APL)	TAB C

1b. IDENTIFICATION OF LOWEST PRICED MODEL AND LOWEST UNIT PRICE FOR THE MODEL FOR EACH SPECIAL ITEM NUMBER	Description	MFR Part #	GSA Price
Special Item Number 58-1	Ocelot Connector 3 Pin WECCO audio connector	81902908110	\$2.90
1c. Not applicable			
2. Maximum Order:			
<p>a. The Maximum Order of any one Special Item Number shall not exceed \$500,000, except when requirements for exceeding the Maximum Order (Aug. 1995), called out in I-FSS-125 and allowed under FAR 8.4 04, are met. The Contractor may enter negotiation for a price reduction, offer the lowest price available under the contract, or decline the order.</p> <p>b. A delivery order that exceeds the Maximum Order may be placed with the Contractor in accordance with FAR 8.4 04. The order will be placed under the contract.</p>			
3. Minimum Order:			
The minimum dollar value per order to be issued under this contract is \$100.00			
4. Geographic Coverage:			
Pricing is valid for all 50 states, the District of Columbia, the Commonwealth of Puerto Rico, and US Government ordering activities overseas.			
5. Points of Production:			
PESA PESA PRO	Huntsville, Madison County, Alabama, USA various USA, Taiwan		
6. Discounts:			
Prices listed per GSA contract.			
7. Quantity Discounts:			
For GSA orders > \$75,000 PESA offers an additional 5% discount off of the GSA Price. If the requested item(s) exceed the maximum order under the contract PESA may enter negotiation for a price reduction, offer the lowest price available under the contract, or decline the order.			
8. Prompt Payment Terms:			
NET 30			
9. Government Commercial Credit Card acceptance:			
9a. Accepted for orders up to the micro-purchase threshold.			
9b. Accepted for orders up to \$100,000.			
10. Foreign Items:			
PESA PRO (selected)	Taiwan		
11a. Time of Delivery:			
Forty-Five (45) days after receipt of order unless otherwise stipulated in price quotation.			
11b. Expedited Delivery:			
Available on a case by case basis. Contact PESA at 256-726-9200 for determination and surcharges if not included in original PO.			
11c. Overnight and 2-day delivery:			
Available on a case by case basis. Contact PESA at 256-726-9200 for determination and surcharges.			
11d. Urgent Requirements:			
Available on a case by case basis. The contractor will make every effort to meet the needs of the customer. Contact PESA at 256-726-9200 for determination.			
12. F.O.B. Point(s):			
a) Destination, for 48 contiguous states and the District of Columbia b) Point of exportation in the 48 contiguous states nearest to the designated destination for Alaska, Hawaii, the Commonwealth of Puerto Rico, and other overseas locations.			
13. Ordering Address and Procedures:			
Orders may be placed through GSA Advantage or directly with PESA and should be addressed as follows:			
PESA 103 Quality Circle, Suite 210 Huntsville, AL 35806			
DUN# 793013822 Contractors CAGE Code Number: 0M096 Tax Identification Number: 63-1012847 Contractor's Establishment Code (CEC): 794-023-92X North American Industrial Codes (334220, 334290, 334310, 341990)			
E-Mail: Orders@pesa.com			
Orders may also be placed via GSA Advantage!			
14. Payment Address (es):			
PESA P.O. Box 933541 Atlanta GA 31193-3541 Attn: Accounts Receivable			
15. Warranty Provision:			
See TAB A for full Warranty Information.			
<p>PESA warrants its factory new equipment to be free of defects in materials and workmanship for a period of three (3) years from date of shipment. PESA XSTREAM and PESA PRO series products have a one (1) year standard warranty; provisions for Extended Warranty can be discussed and priced on a case by case basis. CATRAX and CATRAX's software are included in the three (3) year warranty period; CATRAX-WEB software carries a standard one (1) year warranty. All software is also covered by a separate software license agreement (see full warranty statement). During the standard warranty period, defective parts will be repaired or replaced at no charge for the parts. Labor to repair or replace defective parts will be performed at no charge during the warranty period at the PESA factory only, if possible, retain the original packing material for use in the unlikely event that your equipment must be returned to the PESA factory. When shipping your equipment, the shipping charges must be prepaid. The repaired unit will be returned to you freight-prepaid.</p> <p>This warranty does not include shipping damage, or damage caused by abuse, neglect, tampering by unauthorized personnel, damage inadvertently caused by the user, preventative maintenance, or any equipment or part thereof whose serial number has been removed or defaced. <u>Tampering with factory seals, will result in a voiding of the warranty.</u> This warranty covers only products manufactured by PESA and the components used in their manufacture. The warranty on assembled products sold by PESA but manufactured by others shall be that of the original manufacturer.</p> <p>The warranties above are exclusive and in lieu of all other warranties, whether express or implied, including the implied warranties of merchantability and fitness for a particular purpose.</p>			
16. Export Packing Charges:			
Not Applicable			
17. Terms and Conditions of Government purchase card acceptance:			
Accepted for orders up to \$100,000.			
18. Terms and conditions of rental, maintenance and repair:			
Repair and Replacement of defective merchandise will be made at manufacturer's location: PESA Customer Service Dept. 103 Quality Circle, Suite 210 Huntsville, AL 35806 (256) 726-9222			
E-mail: Support@pesa.com			
19. Terms and conditions of installation:			
<p>The Customer is responsible for ensuring that the appropriate power source/electrical supply (wattage/voltage) for the PESA products is installed. Upon request, PESA will advise the Customer as to the electrical power (wattage/voltage) required to service the equipment. PESA assumes no responsibility for the improper installation of electrical supply.</p>			
20. Terms and conditions of repair parts indicating date of parts lists and any discounts from list prices:			
Not applicable			
20a. Terms and conditions for any other services:			
Expansion of an existing system is within the scope of this contract. Appropriate GSA discount shall be applied.			
Packaging, labeling (e.g. IUID), and inspection requirements above and beyond Standard Commercial Packaging are subject to an additional charge and will be included on the price quote.			
Due to the large number of configurations available, not all possible combinations are listed in this schedule. Specific System Configurations and Expansion of existing system prices may be obtained by contacting PESA (voice: 256-726-9200, fax: 256-726-9271). If the requested item(s) exceed the maximum order under the contract the contractor may enter negotiation for a price reduction, offer the lowest price available under the contract, or decline the order.			
21. List of services and distribution points:			
Not applicable			
22. List of Participating Dealers			
Customer orders placed via GSA Advantage will be placed directly with the Contract Holder. Our authorized dealers (system integrators) do not stock PESA hardware however they are authorized to specify PESA hardware in their responses to formal requests for quotes.			
23. Preventive Maintenance			
Users of equipment are encouraged to review and follow the Preventative Maintenance procedures in the applicable operating manual. Preventative Maintenance services are NOT UNDER CONTRACT.			
24a. Special attributes:			
<p><u>U.S. Department of Defense (DoD) Unified Capabilities (UC) Approved Products List</u> U.S. Department of Defense (DoD) and other authorized customers requiring hardware and software Video Distribution System (VDS) components should specify with their order that the hardware and software are for installation in a Unified Capabilities (UC) environment. Proper annotation of the order documents will ensure the appropriate settings/configurations of hardware and software versions prior to shipment. Specific ITC and APL information may be obtained by contacting PESA (voice: 256-726-9200, fax: 256-726-9271). Customers are encouraged to review the Military - Unique Features Implementation Guide during the project design process by contacting PESA. Tab C of the price list contains additional information.</p>			
25. Data Universal Number System (DUNS) number:			
793013822			
26. Notification regarding registration in Central Contractor Registration (CCR) database:			
PESA is registered in SAM (the replacement for CCR).			

PESA GSA Contract Price List

Prices effective August 1, 2014
 Prices good through July 31, 2019
 Prices in U.S. Dollars
 Revised 1 August 2015
 Prices Effective 15 Sep 2015

PESA Switching Systems, Inc. dba PESA
 103 Quality Circle, Suite 210
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 Int'l Tel +1 (256) 726-9200
 Fax +1 (256) 726-9271
 U.S. (800) 328-1008
 www.pesa.com
Sales@pesa.com
Support@pesa.com
Orders@pesa.com

Includes:
 Price List
 Tab A: PESA Warranty
 Tab B: PESA Dealer Information
 Tab C: Department of Defense Unified Capabilities Approved Products List Information

REV DATE: GSA Prices are based upon PESA Commercial Price List effective date 1 Aug 2015

SIN 58-1 Recording and Reproducing Video and Audio Equipment			
PESA Part Number	Description	List Price	GSA Price
Cheetah Series Routing Solutions support high definition video for SD-SDI, HD-SDI, 3G-SDI, ASI, Analog Video, Audio embedding, Audio de-embedding, A-D conversion, D-A conversion, and CWDM fiber			
Cheetah Mainframe Assy - 16 Input/Output Type (empty frame with PS and MFC) - Order these frames for the basic I/O size required and then add the Input/Output card combination required.			
64NE-00	CHEETAH 4RU 64NE, 0X0 PS, MFC, SO	\$11,835.00	\$8,585.59
64XE-00	CHEETAH 64XE, 6RU 0X0 PS, MFC, SO	\$14,035.00	\$10,181.56
64NEX-00	CHEETAH 4RU 64NEX, 0X0 PS, MFC, SO	\$11,835.00	\$8,585.59
128NE-00	CHEETAH 128NE, 7RU 0X0 PS, MFC, SO	\$18,690.00	\$13,558.49
128XE-00	CHEETAH 128XE, 7RU 0X0 PS, MFC, SO	\$18,690.00	\$13,558.49
128CH-00	CHEETAH 128CH, 7RU 0X0 PS, MFC, SO	\$21,865.00	\$15,861.76
256CH-00	CHEETAH 256CH, 18RU 0X0 PS, MFC, SO	\$43,335.00	\$31,436.98
288XR-00	CHEETAH 288XR, 18RU 0X0 PS, MFC, SO	\$34,035.00	\$24,690.38
288XE-00	CHEETAH 288XE, 18RU 0X0 PS, MFC, SO	\$54,035.00	\$39,199.19
448CH-00	CHEETAH 448CH, 27RU 0X0 PS, MFC, SO	\$99,190.00	\$71,956.47
512CH-00	CHEETAH 512CH, 41RU 0X0 PS, MFC, SO	\$165,190.00	\$119,835.57
512XR-00	CHEETAH 512XR, 27RU 0X0 PS, MFC, SO	\$117,340.00	\$85,123.22
1024XR-00	CHEETAH 1024XR, 41RU 0X0 PS, MFC, SO	\$188,335.00	\$136,625.89
576XR-00	CHEETAH 576XR, 27RU 0X0 PS, MFC, SO	\$119,040.00	\$86,356.47
864XR-00	CHEETAH 864XR, 41RU 0X0 PS, MFC, SO	\$229,040.00	\$166,154.96
64NEX CHEETAH 4RU, ROUTER, ASI, SD, HD, 3G SERIAL DIGITAL, BNC I/O			
Systems include power supply, matrix crosspoints, matrix frame controller, power supply and Catrax Control Software. Supports signal formats for ASI, SD-SDI, HD-SDI, and 3G-SDI. Input and Output Cards based on 16 ports per card. Order System Controller separately.			
64NEX16163G	CHEETAH, 16X16, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$26,840.00	\$19,470.83
64NEX16323G	CHEETAH, 16X32, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$30,840.00	\$22,372.59
64NEX16483G	CHEETAH, 16X48, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$34,840.00	\$25,274.36
64NEX16643G	CHEETAH, 16X64, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$38,840.00	\$28,176.12
64NEX32163G	CHEETAH, 32X16, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$30,840.00	\$22,372.59
64NEX32323G	CHEETAH, 32X32, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$34,840.00	\$25,274.36
64NEX32483G	CHEETAH, 32X48, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$38,840.00	\$28,176.12
64NEX32643G	CHEETAH, 32X64, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$42,840.00	\$31,077.88
64NEX48163G	CHEETAH, 48X16, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$34,840.00	\$25,274.36
64NEX48323G	CHEETAH, 48X32, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$38,840.00	\$28,176.12
64NEX48483G	CHEETAH, 48X48, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$42,840.00	\$31,077.88
64NEX48643G	CHEETAH, 48X64, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$46,840.00	\$33,979.65
64NEX64163G	CHEETAH, 64X16, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$38,840.00	\$28,176.12
64NEX64323G	CHEETAH, 64X32, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$42,840.00	\$31,077.88
64NEX64483G	CHEETAH, 64X48, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$46,840.00	\$33,979.65
64NEX64643G	CHEETAH, 64X64, BNC I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$50,840.00	\$36,881.41

PESA Part Number	Description	List Price	GSA Price
64NEX CHEETAH 4RU, ROUTER, ASI, SD, HD, 3G SERIAL DIGITAL, FIBER I/O			
Systems include power supply, matrix crosspoints, matrix frame controller, power supply and Cattrax Control Software. Supports signal formats for ASI, SD-SDI, HD-SDI, and 3G-SDI. Input and Output Cards based on 16 ports per card. Order System Controller separately.			
64NEX16163G-F	CHEETAH, 16X16, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$48,830.00	\$35,423.27
64NEX16323G-F	CHEETAH, 16X32, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$56,825.00	\$41,223.17
64NEX16483G-F	CHEETAH, 16X48, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$69,820.00	\$50,650.28
64NEX16643G-F	CHEETAH, 16X64, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$82,815.00	\$60,077.38
64NEX32163G-F	CHEETAH, 32X16, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$55,825.00	\$40,497.73
64NEX32323G-F	CHEETAH, 32X32, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$68,820.00	\$49,924.84
64NEX32483G-F	CHEETAH, 32X48, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$81,815.00	\$59,351.94
64NEX32643G-F	CHEETAH, 32X64, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$94,810.00	\$68,779.04
64NEX48163G-F	CHEETAH, 48X16, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$67,820.00	\$49,199.40
64NEX48323G-F	CHEETAH, 48X32, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$80,815.00	\$58,626.50
64NEX48483G-F	CHEETAH, 48X48, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$93,810.00	\$68,053.60
64NEX48643G-F	CHEETAH, 48X64, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$106,805.00	\$77,480.71
64NEX64163G-F	CHEETAH, 64X16, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$79,815.00	\$57,901.06
64NEX64323G-F	CHEETAH, 64X32, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$92,810.00	\$67,328.16
64NEX64483G-F	CHEETAH, 64X48, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$105,805.00	\$76,755.26
64NEX64643G-F	CHEETAH, 64X64, FIBER I/O, PS, MFC, 4RU FRAME, NO CONTROL	\$118,800.00	\$86,182.37
64NEX CHEETAH 6RU, ROUTER, ASI, SD, HD, 3G SERIAL DIGITAL, BNC I/O			
Systems include power supply, matrix crosspoints, matrix frame controller, power supply and Cattrax Control Software. Supports signal formats for ASI, SD-SDI, HD-SDI, and 3G-SDI. Input and Output Cards based on 16 ports per card. Order System Controller separately.			
64NEX16163G	CHEETAH, 16X16, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$28,840.00	\$20,921.71
64NEX16323G	CHEETAH, 16X32, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$32,840.00	\$23,823.48
64NEX16483G	CHEETAH, 16X48, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$36,840.00	\$26,725.24
64NEX16643G	CHEETAH, 16X64, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$40,840.00	\$29,627.00
64NEX16803G	CHEETAH, 16X80, BNC, I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$51,840.00	\$37,606.85
64NEX16963G	CHEETAH, 16X96, BNC, I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$55,840.00	\$40,508.61
64NEX161283G	CHEETAH, 16X128, BNC, I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$63,840.00	\$46,312.14
64NEX32163G	CHEETAH, 32X16, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$32,840.00	\$23,823.48
64NEX32323G	CHEETAH, 32X32, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$36,840.00	\$26,725.24
64NEX32483G	CHEETAH, 32X48, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$40,840.00	\$29,627.00
64NEX32643G	CHEETAH, 32X64, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$44,840.00	\$32,528.77
64NEX32803G	CHEETAH, 32X80, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$55,840.00	\$40,508.61
64NEX32963G	CHEETAH, 32X96, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$59,840.00	\$43,410.38
64NEX321283G	CHEETAH, 32X128, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$67,840.00	\$49,213.90
64NEX48163G	CHEETAH, 48X16, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$36,840.00	\$26,725.24
64NEX48323G	CHEETAH, 48X32, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$40,840.00	\$29,627.00
64NEX48483G	CHEETAH, 48X48, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$44,840.00	\$32,528.77
64NEX48643G	CHEETAH, 48X64, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$48,840.00	\$35,430.53
64NEX48803G	CHEETAH, 48X80, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$59,840.00	\$43,410.38
64NEX48963G	CHEETAH, 48X96, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$63,840.00	\$46,312.14
64NEX481283G	CHEETAH, 48X128, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$71,840.00	\$52,115.67
64NEX64163G	CHEETAH, 64X16, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$40,840.00	\$29,627.00
64NEX64323G	CHEETAH, 64X32, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$44,840.00	\$32,528.77
64NEX64483G	CHEETAH, 64X48, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$48,840.00	\$35,430.53
64NEX64643G	CHEETAH, 64X64, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$52,840.00	\$38,332.29
64NEX64803G	CHEETAH, 64X80, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$63,840.00	\$46,312.14
64NEX64963G	CHEETAH, 64X96, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$67,840.00	\$49,213.90
64NEX641283G	CHEETAH, 64X128, BNC I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$75,840.00	\$55,017.43
64NEXCHEETAH 6RU, ROUTER, ASI, SD, HD, 3G SERIAL DIGITAL, FIBER I/O			
Systems include power supply, matrix crosspoints, matrix frame controller, power supply and Cattrax Control Software. Supports signal formats for ASI, SD-SDI, HD-SDI, and 3G-SDI. Input and Output Cards based on 16 ports per card. Order System Controller separately. OTHER SIZES AVAILABLE -			
CALL FOR OPEN MARKET PRICING ON SYSTEMS NOT SHOWN			
64NEX32323G-F	CHEETAH, 32X32, FIBER I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$70,820.00	\$51,375.72
64NEX32643G-F	CHEETAH, 32X64, FIBER I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$96,810.00	\$70,229.92
64NEX32963G-F	CHEETAH, 32X96, FIBER I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$129,800.00	\$94,162.22
64NEX321283G-F	CHEETAH, 32X128, FIBER I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$155,790.00	\$113,016.42
64NEX64323G-F	CHEETAH, 64X32, FIBER I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$94,810.00	\$68,779.04
64NEX64643G-F	CHEETAH, 64X64, FIBER I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$120,800.00	\$87,633.25
64NEX64963G-F	CHEETAH, 64X96, FIBER I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$153,790.00	\$111,565.54
64NEX641283G-F	CHEETAH, 64X128, FIBER I/O, PS, MFC, 6RU FRAME, NO CONTROL	\$179,780.00	\$130,419.75

PESA Part Number	Description	List Price	GSA Price
128NE CHEETAH 7RU, ROUTER, ASI, SD, HD, 3G SERIAL DIGITAL, BNC I/O			
Systems include power supply, matrix crosspoints, matrix frame controller, power supply and Cattrax Control Software. Supports signal formats for ASI, SD-SDI, HD-SDI, and 3G-SDI. Input and Output Cards based on 16 ports per card. Order System Controller separately. OTHER SIZES AVAILABLE -			
CALL FOR OPEN MARKET PRICING ON SYSTEMS NOT SHOWN			
128NE32323G	CHEETAH, 32X32, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$46,695.00	\$33,874.46
128NE32643G	CHEETAH, 32X64, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$54,695.00	\$39,677.98
128NE48483G	CHEETAH, 48X48, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$54,695.00	\$39,677.98
128NE64323G	CHEETAH, 64X32, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$54,695.00	\$39,677.98
128NE64963G	CHEETAH, 64X96, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$70,695.00	\$51,285.04
128NE641283G	CHEETAH, 64X128, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$78,695.00	\$57,088.56
128NE80803G	CHEETAH, 80X80, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$70,695.00	\$51,285.04
128NE96643G	CHEETAH, 96X64, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$70,695.00	\$51,285.04
128NE96963G	CHEETAH, 96X96, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$78,695.00	\$57,088.56
128NE128323G	CHEETAH, 128X32, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$70,695.00	\$51,285.04
128NE128643G	CHEETAH, 128X64, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$78,695.00	\$57,088.56
128NE1281283G	CHEETAH, 128X128, BNC I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$94,695.00	\$68,695.62
128NE CHEETAH 7RU, ROUTER, ASI, SD, HD, 3G SERIAL DIGITAL, FIBER I/O			
Systems include power supply, matrix crosspoints, matrix frame controller, power supply and Cattrax Control Software. Supports signal formats for ASI, SD-SDI, HD-SDI, and 3G-SDI. Input and Output Cards based on 16 ports per card. Order System Controller separately. OTHER SIZES AVAILABLE -			
CALL FOR OPEN MARKET PRICING ON SYSTEMS NOT SHOWN			
128NE32323G-F	CHEETAH, 32X32, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$80,675.00	\$58,524.94
128NE32643G-F	CHEETAH, 32X64, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$106,665.00	\$77,379.14
128NE48483G-F	CHEETAH, 48X48, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$105,665.00	\$76,653.70
128NE64323G-F	CHEETAH, 64X32, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$104,665.00	\$75,928.26
128NE64963G-F	CHEETAH, 64X96, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$156,665.00	\$113,651.18
128NE641283G-F	CHEETAH, 64X128, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$182,635.00	\$132,490.88
128NE80803G-F	CHEETAH, 80X80, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$155,645.00	\$112,911.23
128NE96643G-F	CHEETAH, 96X64, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$154,645.00	\$112,185.79
128NE96963G-F	CHEETAH, 96X96, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$180,635.00	\$131,040.00
128NE128323G-F	CHEETAH, 128X32, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$152,645.00	\$110,734.91
128NE128643G-F	CHEETAH, 128X64, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$178,635.00	\$129,589.12
128NE1281283G-F	CHEETAH, 128X128, FIBER I/O, PS, MFC, 7RU FRAME, NO CONTROL	\$230,615.00	\$167,297.53
128XE CHEETAH 11RU, ROUTER, ASI, SD, HD, 3G SERIAL DIGITAL, BNC I/O			
Systems include power supply, matrix crosspoints, matrix frame controller, power supply and Cattrax Control Software. Supports signal formats for ASI, SD-SDI, HD-SDI, and 3G-SDI. Input and Output Cards based on 16 ports per card. Order System Controller separately. OTHER SIZES AVAILABLE -			
CALL FOR OPEN MARKET PRICING ON SYSTEMS NOT SHOWN			
128XE32323G	CHEETAH, 32X32, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$46,645.00	\$33,838.19
128XE32643G	CHEETAH, 32X64, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$54,695.00	\$39,677.98
128XE48483G	CHEETAH, 48X48, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$54,695.00	\$39,677.98
128XE64323G	CHEETAH, 64X32, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$54,695.00	\$39,677.98
128XE64963G	CHEETAH, 64X96, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$70,695.00	\$51,285.04
128XE641283G	CHEETAH, 64X128, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$78,695.00	\$57,088.56
128XE80803G	CHEETAH, 80X80, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$70,695.00	\$51,285.04
128XE96643G	CHEETAH, 96X64, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$70,695.00	\$51,285.04
128XE96963G	CHEETAH, 96X96, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$78,695.00	\$57,088.56
128XE128323G	CHEETAH, 128X32, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$70,695.00	\$51,285.04
128XE128643G	CHEETAH, 128X64, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$78,695.00	\$57,088.56
128XE1281283G	CHEETAH, 128X128, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$74,695.00	\$54,186.80
128XE1282563G	CHEETAH, 128X256, BNC I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$138,695.00	\$100,615.01

PESA Part Number	Description	List Price	GSA Price
128XE CHEETAH 11RU, ROUTER, ASI, SD, HD, 3G SERIAL DIGITAL, FIBER I/O			
Systems include power supply, matrix crosspoints, matrix frame controller, power supply and Cattrax Control Software. Supports signal formats for ASI, SD-SDI, HD-SDI, and 3G-SDI. Input and Output Cards based on 16 ports per card. Order System Controller separately. OTHER SIZES AVAILABLE -			
CALL FOR OPEN MARKET PRICING ON SYSTEMS NOT SHOWN			
128XE32323G-F	CHEETAH, 32X32, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$80,675.00	\$58,524.94
128XE32643G-F	CHEETAH, 32X64, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$106,665.00	\$77,379.14
128XE48483G-F	CHEETAH, 48X48, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$105,665.00	\$76,653.70
128XE64323G-F	CHEETAH, 64X32, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$104,665.00	\$75,928.26
128XE64963G-F	CHEETAH, 64X96, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$156,645.00	\$113,636.68
128XE641283G-F	CHEETAH, 64X128, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$182,635.00	\$132,490.88
128XE80803G-F	CHEETAH, 80X80, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$155,645.00	\$112,911.23
128XE96643G-F	CHEETAH, 96X64, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$154,645.00	\$112,185.79
128XE96963G-F	CHEETAH, 96X96, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$180,635.00	\$131,040.00
128XE128323G-F	CHEETAH, 128X32, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$152,645.00	\$110,734.91
128XE128643G-F	CHEETAH, 128X64, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$178,635.00	\$129,589.12
128XE1281283G-F	CHEETAH, 128X128, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$230,615.00	\$167,297.53
128XE1282563G-F	CHEETAH, 128X256, FIBER I/O, PS, MFC, 11RU FRAME, NO CONTROL	\$346,575.00	\$251,419.65
64X CHEETAH ANALOG ROUTING FRAMES			
Systems include power supply, matrix crosspoints, matrix frame controller, power supply and Cattrax Control Software. Supports Analog Video up to 60MHz and High Level Signals for DS3. Input and Output Cards based on 16 ports per card. Order System Controller separately. OTHER SIZES AVAILABLE -			
CALL FOR OPEN MARKET PRICING ON SYSTEMS NOT SHOWN			
64NE3232V1	CHEETAH, 32X32, BNC I/O, PS, MFC, 4RU, ANALOG VIDEO, NO CONTROL	\$34,535.00	\$25,053.10
64XE3232V1	CHEETAH, 32X32, BNC I/O, PS, MFC, 6RU, ANALOG VIDEO, NO CONTROL	\$36,735.00	\$26,649.07
64NE3232HL1	CHEETAH, 32X32, BNC I/O, PS, MFC, 4RU, HIGH LEVEL VIDEO, NO CONTROL	\$34,535.00	\$25,053.10
64NE6464V1	CHEETAH, 64X64, BNC I/O, PS, MFC, 4RU, ANALOG VIDEO, NO CONTROL	\$48,785.00	\$35,390.63
64XE6464V1	CHEETAH, 64X64, BNC I/O, PS, MFC, 6RU, ANALOG VIDEO, NO CONTROL	\$50,985.00	\$36,986.60
64NE6464HL1	CHEETAH, 64X64, BNC I/O, PS, MFC, 4RU, HIGH LEVEL VIDEO, NO CONTROL	\$48,785.00	\$35,390.63
Cheetah Input and Output Cards			
Cheetah 3G Only Input and Output Cards (64NEX & 128NE)			
CH-OUTPUT-3G-FIB	CHEETAH, Output Board, 3G/HD/SD, FIBER, LC connector	\$12,995.00	\$9,427.10
CHNE-OUTPUT-3G-BNC	CHEETAH, Output Board, 3G-SDI, BNC, 64NEX and 128NE frames	\$4,000.00	\$2,901.76
CHNE-OUTPUT-3G-BNC-2	CHEETAH, Output Board, 3G-SDI, BNC, Long Reach, 64NEX and 128NE frame	\$4,000.00	\$2,901.76
CH-OUTPUT-MUX-BNC	CHEETAH, Output Board, SD/HD/3G, BNC, with Audio Embedding	\$19,995.00	\$14,505.19
CH-OUTPUT-15G-FIB	CHEETAH, Output Board, 1.5Gb with single mode optical fiber	\$10,995.00	\$7,976.22
CH-INPUT-3G-FIB	CHEETAH, Input Board, 3G/HD/SD, FIBER, LC connector	\$11,995.00	\$8,701.66
CHNE-INPUT-3G-BNC	CHEETAH, Input Board, 3G-SDI, BNC, 64NEX and 128NE frames	\$4,000.00	\$2,901.76
CHNE-INPUT-3G-BNC-2	CHEETAH, Input Board, 3G-SDI, BNC, Long Reach, 64NEX and 128NE frame	\$4,000.00	\$2,901.76
CH-INPUT-DEMUX-BNC	CHEETAH, Input Board, SD/HD/3G, BNC, with Audio De-embedding	\$19,995.00	\$14,505.19
CH-INPUT-15G-FIB	CHEETAH, Input Board - 1.5Gb with single mode optical fiber	\$9,995.00	\$7,250.78
Cheetah Input Cards - 16 ports Type (for all frames except 64NEX and 128NE)			
81906527180	Cheetah Input Board, SD BNC	\$3,500.00	\$2,539.04
81906525230	Cheetah Input Board, HD-MR BNC	\$8,390.00	\$6,086.45
81906526810	Cheetah Input Board, HDMR with input looping capability	\$8,590.00	\$6,231.54
CH-INPUT-15G-FIB	Cheetah Input Board, Fiber, SD/HD Only, SM/MM, LC connector	\$9,995.00	\$7,250.78
CH-INPUT-3G-BNC	Cheetah Input Board, 3Gb with BNC	\$7,000.00	\$5,078.09
CH-INPUT-3G-FIB	Cheetah Input Board, 3Gb with single mode optical fiber	\$11,995.00	\$8,701.66
CH-INPUT-3G-FIB-BD	Cheetah Input Board, 3G-SDI, Empty SFP cage, holds up to 8 SFP modules	\$6,500.00	\$4,715.37
CH-INPUT-3G-BNC-2	Cheetah Input Board, 3G-SDI, BNC Extended Reach, Max. 576 inputs	\$7,000.00	\$5,078.09
CH-INPUT-3G-FIB-2	Cheetah Input Board, 3G-SDI, Fiber, SM/MM, Max. 576 Inputs	\$11,995.00	\$8,701.66
81906524320	Cheetah Input Board, Analog	\$2,875.00	\$2,085.64
81906524950	Cheetah Input Board, High Level Analog BNC	\$2,875.00	\$2,085.64
81903469070	Cheetah Input Card Slot Cover	\$50.00	\$36.27

PESA Part Number	Description	List Price	GSA Price
Cheetah Output Cards - 16 ports Type (for all frames except 64NEX and 128NE)			
81906526250	Cheetah Output Board HD-MR BNC - allows option card	\$11,000.00	\$7,979.85
81906527240	Cheetah Output Board HD-MR BNC - base card	\$8,395.00	\$6,090.08
81906527390	Cheetah Output Board SDI - base card	\$4,500.00	\$3,264.48
81906527840	Cheetah Output Board SDI- allows option cards	\$4,500.00	\$3,264.48
81906524930	Cheetah Output Board, Analog	\$4,250.00	\$3,083.12
81906524330	Cheetah Output Board, High Level Analog BNC	\$4,250.00	\$3,083.12
81903469060	Cheetah Output Blank	\$50.00	\$36.27
CH-OUTPUT-3G-BNC	Cheetah Output Board, 3Gb	\$7,000.00	\$5,078.09
CH-OUTPUT-3G-BNC-2	Cheetah Output, 3G-SDI, BNC Extended reach, Max. 576 outputs	\$7,000.00	\$5,078.09
81906528870	Cheetah Output Board HD-MR SFP Fiber - 1.5Gb with SFP - larger than 576 inputs	\$21,000.00	\$15,234.26
CH-OUTPUT-15G-FIB	Cheetah Output Board HD-MR SFP Fiber - 1.5Gb with SFP	\$10,995.00	\$7,976.22
CH-OUTPUT-3G-FIB	Cheetah Output Board, 3Gb Single Model Optical Fiber	\$12,995.00	\$9,427.10
CH-OUTPUT-3G-FIB-BD	Cheetah Output, Empty SFP cage, holds up to 8 SFP modules	\$7,500.00	\$5,440.81
Cheetah Matrix Card Assemblies			
81906524340	Cheetah Matrix 64X64 Analog	\$5,500.00	\$3,989.92
81906527190	Cheetah Matrix 72 x 72 Digital - 1.5Gb bandwidth	\$7,000.00	\$5,078.09
CH-MATRIX64-3G	Cheetah Matrix 72X72 Digital - 3Gb bandwidth	\$7,000.00	\$5,078.09
81906527140	Cheetah Matrix 144X144 Digital - 1.5Gb bandwidth	\$10,000.00	\$7,254.41
CH-MATRIX144-3G	Cheetah Matrix 144X144 Digital - 3Gb bandwidth	\$12,000.00	\$8,705.29
81906523980	Cheetah 64X Digital Matrix Load Card	\$795.00	\$576.73
81906528610	Cheetah 144X Digital Matrix Load Card	\$1,000.00	\$725.44
81906525210	Cheetah Analog Video Load Card	\$295.00	\$214.01
Cheetah Power Supply Assemblies			
81906523810	Cheetah Power Supply, AC	\$2,150.00	\$1,559.70
81903469040	Cheetah Power Supply Blank	\$50.00	\$36.27
Cheetah CWDM Fiber Cards			
CH-CWDM-MUX16	Cheetah Optical CWDM Output (Mux) Card, SD/HD Only up to 1.5Gbps	\$32,000.00	\$23,214.11
CH-CWDM-DMUX16	Cheetah Optical CWDM Input (Demux) Card, SD/HD Only up to 1.5Gbps	\$16,000.00	\$11,607.05
Cheetah MUX/DEMUX Cards			
CH-OUTPUT-MUX-BNC	Cheetah Output combiner with 128 channels audio embedding (GEN 1)	\$19,995.00	\$14,505.19
CH-INPUT-DEMUX-BNC	Cheetah Input card with 128 channels of audio de-embed (GEN 1)	\$19,995.00	\$14,505.19
CH-OUTPUT-MUX256-BNC	Cheetah output MUX with 256 channels audio embedding (GEN 1). Includes ASI or Level B pass-through. Works only with DRS-EDXE.	\$19,995.00	\$14,505.19
CH-INPUT-DMUX256-BNC	Cheetah input DEMUX with 256 channels of audio de-embedding (GEN 1). Includes ASI or Level B pass-through. Works only with DRS-EDXE.	\$19,995.00	\$14,505.19
CH-INPUT-DEEMBED128	Cheetah input card for de-embedding 128 channels. Includes ASI and Level B pass-through (GEN 2) - works with DRS-DXE and DRS-EDXE	\$19,995.00	\$14,505.19
CH-INPUT-DEEMBED256	Cheetah input card for de-embedding 256 channels. Includes ASI and Level-B pass-through (GEN 2) - works with DRS-EDXE only	\$19,995.00	\$14,505.19
CH-OUTPUT-EMBED128	Cheetah output card for embedding 128 channels. Includes ASI and Level-B pass-through (GEN 2) works with DRS-DXE and DRS-EDXE	\$19,995.00	\$14,505.19
CH-OUTPUT-EMBED256	Cheetah output card for embedding 256 channels. Includes ASI and Level-B pass-through (GEN 2) works with DRS-EDXE only	\$19,995.00	\$14,505.19
Cheetah Option Cards and Accessories			
81906523280	Cheetah Digital Output Monitor (for CH and CX frames only)	\$6,000.00	\$4,352.64
81906523970	Cheetah Frame Controller Card	\$1,895.00	\$1,374.71
81906523170	Cheetah Digital Dual Output Option BNC	\$2,250.00	\$1,632.24
81906524920	Cheetah Analog Video Dual Output Option BNC	\$2,250.00	\$1,632.24
81901703700	Cheetah Output Option Piggyback D/A Converter - use with 81906527840 only	\$10,500.00	\$7,617.13
81901704860	SFP 3G DUAL Fiber Optic Transmitter, Single Mode	\$350.00	\$253.90
81901704850	SFP 3G DUAL Fiber Optic Receiver, Single Mode	\$350.00	\$253.90
CH-HSDI-OUT	Cheetah HD to SD Piggyback Output converter card code: 81901703760 use with 81906526250 output card only	\$24,750.00	\$17,954.66
81906526180	Cheetah AC Filter Assy, 240V 40A, Isolated Lines, for >185VA 50/60HZ	\$8,000.00	\$5,803.53
81906526810	Cheetah Input HD-MR Looping Expansion Card (allows for expanding outputs to second frame) add mini-BNC looping cables up to 16 per card	\$8,000.00	\$5,803.53
81902804440	Mini-Loop Cable for Expansion Card above - add 16 per card- 4Ft	\$35.00	\$25.39
81902806430	Mini-Loop Cable for Expansion Card above - add 16 per card- 5.5Ft	\$38.00	\$27.57
Cheetah 4K Hardware			
CH-INPUT-4K-MM-FIB	Cheetah Input Buffer 4K Quad MM Fiber	\$9,995.00	\$7,250.78
CH-OUTPUT-4K-MM-FIB	Cheetah Output Buffer 4K Quad MM Fiber	\$8,495.00	\$6,162.62
QFX-QUAD4K-TX	QFX Quadbox 4K Transmitter 4 Coax In 1 Multimode CWDM Fiber Out 3G with PS	\$2,395.00	\$1,737.43
QFX-QUAD4K-RX	QFX Quadbox 4K Receiver 1 Multimode CWDM Fiber In 4 Coax Out 3G with PS	\$2,495.00	\$1,809.97
NOTE: MUST order label kits - Optical Fiber Label Kits - Order 1 kit for inputs, and 1 kit for outputs			
81902109370	Label Kit, Optical Fiber Input or Output - Numbers 1-128	\$45.00	\$32.64
81902109380	Label Kit, Optical Fiber Input or Output - Numbers 129 - 256	\$45.00	\$32.64
81902109390	Label Kit, Optical Fiber Input or Output - Numbers 257 - 512	\$45.00	\$32.64
81902109400	Label Kit, Optical Fiber Input or Output - Numbers 513 - 864	\$45.00	\$32.64
81902109410	Label Kit, Optical Fiber Input or Output - Numbers 865 - 1024	\$45.00	\$32.64
81906525890	CD Cheetah Software Toolkit	N/C	N/C
81906523070	CD Product Manual	N/C	N/C

PESA Part Number	Description	List Price	GSA Price
Cheetah 144NE fiber only routing switcher for 3Gbps			
Cheetah 144NE 144 x 144 3Gb routing matrix, 270Mb to 3Gb data bandwidth, with optical input and output (Input X Output) for single mode fiber. Can support multimode fiber with limited distances.			
Cheetah 144NE Full Frame Assemblies			
CH144NE3G-36X36-F	Cheetah 144NE Optical router, 36 x 36 SDI to 3Gb in 4RU	\$50,425.00	\$36,580.35
CH144NE3G-36X72-F	Cheetah 144NE Optical router, 36 x 72 SDI to 3Gb in 4RU	\$64,420.00	\$46,732.90
CH144NE3G-36X108-F	Cheetah 144NE Optical router, 36 x 108 SDI to 3Gb in 4RU	\$78,415.00	\$56,885.44
CH144NE3G-36X144-F	Cheetah 144NE Optical router, 36 x 144 SDI to 3Gb in 4RU	\$92,410.00	\$67,037.98
CH144NE3G-72X36-F	Cheetah 144NE Optical router, 72 x 36 SDI to 3Gb in 4RU	\$62,420.00	\$45,282.02
CH144NE3G-72X72-F	Cheetah 144NE Optical router, 72 x 72 SDI to 3Gb in 4RU	\$76,415.00	\$55,434.56
CH144NE3G-72X108-F	Cheetah 144NE Optical router, 72 x 108 SDI to 3Gb in 4RU	\$90,410.00	\$65,587.10
CH144NE3G-72X144-F	Cheetah 144NE Optical router, 72 x 144 SDI to 3Gb in 4RU	\$104,405.00	\$75,739.65
CH144NE3G-108X36-F	Cheetah 144NE Optical router, 108 x 36 SDI to 3Gb in 4RU	\$74,415.00	\$53,983.68
CH144NE3G-108X72-F	Cheetah 144NE Optical router, 108 x 72 SDI to 3Gb in 4RU	\$88,410.00	\$64,136.22
CH144NE3G-108X108-F	Cheetah 144NE Optical router, 108 x 108 SDI to 3Gb in 4RU	\$102,405.00	\$74,288.77
CH144NE3G-108X144-F	Cheetah 144NE Optical router, 108 x 144 SDI to 3Gb in 4RU	\$116,400.00	\$84,441.31
CH144NE3G-144X36-F	Cheetah 144NE Optical router, 144 x 36 SDI to 3Gb in 4RU	\$86,410.00	\$62,685.34
CH144NE3G-144X72-F	Cheetah 144NE Optical router, 144 x 72 SDI to 3Gb in 4RU	\$100,405.00	\$72,837.88
CH144NE3G-144X108-F	Cheetah 144NE Optical router, 144 x 108 SDI to 3Gb in 4RU	\$114,400.00	\$82,990.43
CH144NE3G-144X144-F	Cheetah 144NE Optical router, 144 x 144 SDI to 3Gb in 4RU	\$128,395.00	\$93,142.97
Cheetah 144NE Empty Frame			
CH144NE-3G-FRAME	Cheetah 144NE Frame, PS, and Matrix Card. Add Input and Output Cards Separately.	\$24,435.00	\$17,726.15
Cheetah 144NE Input Card - 36 I/O Type			
CH144NE-INPUT-3G-FB	3Gb-SDI Optical Fiber Input Card - Cheetah 144NE (ref. 81906530930)	\$11,995.00	\$8,701.66
CH144-INP-3G-FIB-BD	Cheetah 144NE Input card, 36 channel, blank SFP cages. Add up to 18 easySFP modules per card	\$5,695.00	\$4,131.39
Cheetah 144NE Output Card - 36 I/O Type			
CH144NE-OUTPUT-3G-FB	3Gb-SDI Optical Fiber Output Card - Cheetah 144NE (ref. 81906531080)	\$13,995.00	\$10,152.54
CH144-OUT-3G-FIB-BD	Cheetah 144NE Output card, 36 channel, blank SFP cages. Add up to 18 easySFP modules per card.	\$7,695.00	\$5,582.27
Cheetah 144NE - Matrix Card			
CH-MATRIX144-3G	Cheetah - 144 x 144 Crosspoint Card	\$12,000.00	\$8,705.29
Cheetah 144NE - Power Supply			
81906523810	Cheetah - Power Supply 600W	\$2,150.00	\$1,559.70
Cheetah 144NE - Frame Controller			
81906523970	Cheetah - Matrix Frame Controller	\$1,895.00	\$1,374.71
Cheetah 144NE - Options and Accessories			
81901704860	SFP 3G DUAL Fiber Optic Transmitter, Single Mode	\$350.00	\$253.90
81901704850	SFP 3G DUAL Fiber Optic Receiver, Single Mode	\$350.00	\$253.90
easySFP Options - Small Form Factor Pluggable Modules			
easySFP - Transmitter SFP Modules			
81901704940	easySFP, Dual 3G-SDI, BNC Transmitter. Add to Output SFP card	\$162.00	\$117.52
81901704860	SFP 3G DUAL Fiber Optic Transmitter, Single Mode	\$350.00	\$253.90
easySFP - Receiver SFP Modules			
81901704950	easySFP, Dual 3G-SDI, BNC, Receiver. Add to Input SFP cards.	\$250.00	\$181.36
81901704850	SFP 3G DUAL Fiber Optic Receiver, Single Mode	\$350.00	\$253.90
easySFP - Analog Conversion Modules			
81901704960	easySFP, Dual Decoder, NTSC/PAL to SDI. Add to Input cards.	\$425.00	\$308.31
81901704970	easySFP, Dual Encoder, SDI to NTSC/PAL. Add to Output cards.	\$425.00	\$308.31
easySFP - HDMI Modules			
81901705140	easySFP - HDMI to 3G-SDI - add to Input Cards (RX)	\$450.00	\$326.45
81901705150	easySFP - 3G-SDI to HDMI - add to Output Cards (TX)	\$450.00	\$326.45
easySFP - Frame Assemblies - Empty IO			
QFX-4X4-SWX-NM	4X4 Switcher, SFP card cages, Add I/O easySFP modules as needed.	\$2,005.00	\$1,454.51
CH144NE-3G-FRAME	Cheetah 144NE Frame, PS, and Matrix Card. Add I/O Cards separately.	\$24,435.00	\$17,726.15

PESA Part Number	Description	List Price	GSA Price
easySFP - Cheetah Input - Empty Slots			
CH144-INP-3G-FIB-BD	Cheetah 144NE Input card, 36 channel, blank SFP cages. Add up to 18 easySFP per card.	\$5,695.00	\$4,131.39
CH-INP-3G-FIB-BD	Cheetah Input card, 16 channel, blank SFP cages. Add up to 8 easySFP modules per card.	\$6,500.00	\$4,715.37
easySFP - Cheetah Output - Empty Slots			
CH144-OUT-3G-FIB-BD	Cheetah 144NE Output card, 36 channel, blank SFP cages. Add up to 18 easySFP per card.	\$7,695.00	\$5,582.27
CH-OUTPUT-3G-FIB-BD	Cheetah Output card, 16 channel, blank SFP cages. Add up to 8 easySFP modules per card.	\$7,500.00	\$5,440.81
easySFP - Accessories			
81902806940	Cable, easySFP, HD-BNC, Male Plug to Female Jack, 24", Belden 1694A	\$34.99	\$25.38
easyPORT Utility Switch Boxes for SDI and HDMI converters, extenders			
Codes: H=HDMI, F=Fiber, B=BNC, Include 1, 2, or 4 for number of I/O ports.			
EASY-4XSFP-NM	EASYPORT - SFP Blank Cage for Two (2) SFP Inputs X Two (2) SFP Outputs, Blank Cage	\$1,300.00	\$943.07
EASY-TX-4BX-NM	EASYPORT- Four (4) BNC Inputs X Two (2) SFP Outputs, Blank Cage	\$1,150.00	\$834.26
EASY-RX-4XB-NM	EASYPORT-Two (2) SFP Input X Four (4) BNC Outputs, Blank Cage	\$980.00	\$710.93
EASY-TX-4BX4F	4X4 EasyPort Transmitter, four SD/HD/3G coax inputs converted to four fiber optic outputs, PS, SW included	\$1,850.00	\$1,342.07
EASY-TX-4BX2F	4X2 EasyPort Transmitter, four SD/HD/3G coax inputs converted to two fiber optic outputs, PS, SW included	\$1,500.00	\$1,088.16
EASY-TX-4BX2H	4X2 EasyPort Transmitter, four SD/HD/3G coax inputs converted to two HDMI outputs, PS, SW included	\$2,050.00	\$1,487.15
EASY-TX-4BX1H	4X1 EasyPort Transmitter, four SD/HD/3G coax inputs converted to one HDMI output, PS, SW included	\$1,600.00	\$1,160.71
EASY-TX-4BX4DA	4X4 EasyPort Transmitter, four SDI coax inputs converted to four NTSC/PAL outputs, PS, SW included	\$2,000.00	\$1,450.88
EASY-TX-4BX2DA	4X2 EasyPort Transmitter, four SDI coax inputs converted to two NTSC/PAL outputs, PS, SW included	\$1,575.00	\$1,142.57
EASY-RX-4FX4B	4X4 EasyPort Receiver, four SD/HD/3G fiber inputs to four coax outputs, PS, SW included	\$1,680.00	\$1,218.74
EASY-RX-2FX4B	2X4 EasyPort Receiver, two SD/HD/3G fiber inputs to four coax outputs, PS, SW included	\$1,330.00	\$964.84
EASY-RX-2HX4B	2X4 EasyPort Receiver, two HDMI inputs converted to four SD/HD/3G coax outputs, PS, SW included	\$1,880.00	\$1,363.83
EASY-RX-1HX4B	1X4 EasyPort Receiver, one HDMI input converted to four SD/HD/3G coax outputs, PS, SW included	\$1,430.00	\$1,037.38
EASY-RX-4ADX4B	4X4 EasyPort Receiver, four NTSC/PAL inputs converted to four SDI coax outputs, PS, SW included	\$1,830.00	\$1,327.56
EASY-RX-2ADX4B	2X4 EasyPort Receiver, two NTSC/PAL inputs converted to four SDI coax outputs, PS, SW included	\$1,405.00	\$1,019.24
EASY-4FX2H	4X2 EasyPort Extender, four SD/HD/3G fiber inputs converted/switched to two HDMI outputs, PS, SW included	\$2,900.00	\$2,103.78
EASY-4FX1H	4X1 EasyPort Extender, four SD/HD/3G fiber inputs converted/switched to one HDMI output, PS, SW included	\$2,450.00	\$1,777.33
EASY-2FX2H	2X2 EasyPort Extender, two SD/HD/3G fiber inputs converted/switched to two HDMI outputs, PS, SW included	\$2,550.00	\$1,849.87
EASY-2FX1H	2X1 EasyPort Extender, two SD/HD/3G fiber inputs converted/switched to one HDMI output, PS, SW included	\$2,100.00	\$1,523.43
EASY-4FX4DA	4X4 EasyPort Extender, four SD/HD/3G fiber inputs converted/switched to four NTSC/PAL outputs, PS, SW included	\$2,850.00	\$2,067.51
EASY-2FX2DA	2X2 EasyPort Extender, two SD/HD/3G fiber inputs converted/switched to two NTSC/PAL outputs, PS, SW included	\$2,075.00	\$1,505.29
EASY-4ADX4F	4X4 EasyPort Extender, four NTSC/PAL inputs converted/switched to four SDI fiber outputs, PS, SW included	\$2,850.00	\$2,067.51
EASY-2ADX2F	2X2 EasyPort Extender, two NTSC/PAL inputs converted/switched to two SDI fiber outputs, PS, SW included	\$2,075.00	\$1,505.29
EASY-2HX4F	2X4 EasyPort Extender, two HDMI inputs converted/switched to four SD/HD/3G fiber outputs, PS, SW included	\$2,900.00	\$2,103.78
EASY-1HX4F	1X4 EasyPort Extender, one HDMI input converted/switched to four SD/HD/3G fiber outputs, PS, SW included	\$2,550.00	\$1,849.87
EASY-1HX2F	1X2 EasyPort Extender, one HDMI input converted/switched to two SD/HD/3G fiber outputs, PS, SW included	\$2,100.00	\$1,523.43
EASY-2F2BX1H	EasyPort Extender, two SD/HD/3G fiber + two SD/HD/3G coax converted/switched to HDMI output	\$2,350.00	\$1,704.79
EASY-1HX2F2B	EasyPort Extender, one HDMI input converted to two SD/HD/3G fiber + two SD/HD/3G coax outputs	\$2,350.00	\$1,704.79

PESA Part Number	Description	List Price	GSA Price
Small Routing Solutions			
LNS-8 8X2 Live News Switcher			
(add -EU to matrix part number for 220 VAC version)			
LN82V1A2	8 x 2 Video and Stereo Audio Matrix in 1RU	\$2,523.68	\$1,830.78
LN82DV1	8 x 2 Serial Digital Video Matrix in 1RU	\$3,409.18	\$2,473.16
LN82DV1A2	8 x 2 Serial Digital Video and Stereo Audio Matrix in 1RU	\$3,788.68	\$2,748.46
LN8PWR	LNS8 120 VAC Power Supply	\$82.50	\$59.85
LN8PWR-EU	LNS8 220 VAC Power Supply	\$82.50	\$59.85
OCELOT 16X16, 16X8, 8X8			
<p>Note: The following Ocelot prices include the chassis, PSU, and enhanced CPU, with blank front panel unless otherwise noted. EACH OF THE FOLLOWING CONFIGURATIONS IS "STAND ALONE" AND INCLUDES ITS OWN OCELOT CONTROLLER. TO SYSTEMATIZE AN OCELOT CONFIGURATION USE THE CONFIGURATOR IN ORDER TO PREVENT DUPLICATION OF INTERNAL CONTROLLERS.</p> <p>OCELOT HDMR POWER SUPPLY NOTE: OC88HDMR uses the standard Ocelot "small" 81906519570 power pack. OC1616HDMR uses the "BIG" 81906525090 power supply</p>			
Ocelot Analog Video and Audio			
OC88V1A2	Ocelot, 8x8 Video, 8x8 AA, 110V	\$2,990.00	\$2,169.07
OC88V1A2-P8	Ocelot, 8x8 Video, 8x8 AA, 8 XY Local Panel, 110V	\$3,270.00	\$2,372.19
OC1616V1A2	Ocelot, 16x16 Video, AA, 110V	\$7,920.00	\$5,745.49
OC1616V1A2-P16	Ocelot, 16x16 Video, AA, 16 XY Local Panel, 110V	\$8,285.00	\$6,010.28
Ocelot Matrix Cards			
81906519120	Ocelot 16X16 Analog Video Matrix	\$2,795.00	\$2,027.61
81906520110	Ocelot 16X16 High Level Analog Video Matrix	\$2,795.00	\$2,027.61
81906519140	Ocelot 16X16 Digital Video Matrix	\$3,495.00	\$2,535.42
81906521280	Ocelot 16x16 Wideband Video Matrix	\$4,835.00	\$3,507.51
81906519080	Ocelot 8X8 Analog Video Matrix	\$725.00	\$525.94
81906519130	Ocelot 16X16 Analog Audio Matrix	\$1,695.00	\$1,229.62
81906519230	Ocelot 8X8 High Level Analog Video Matrix	\$675.00	\$489.67
81906519110	Ocelot 8X8 Digital Video Matrix	\$2,295.00	\$1,664.89
81906520080	Ocelot 16X16 AES Audio Matrix 110 OHM	\$1,495.00	\$1,084.53
81906519290	Ocelot 8X8 Analog Audio Matrix	\$550.00	\$398.99
81906520050	Ocelot 8X8 AES Audio Matrix 110 OHM	\$795.00	\$576.73
OC88AES-75-CARD	Replacement card for 8x8 Ocelot AES/EBU matrix, 75 ohm BNC	\$695.00	\$504.18
OC1616AES-75-CARD	Replacement card for 16x16 AES/EBU matrix, 75 ohm BNC	\$1,410.00	\$1,022.87
81906531000	Ocelot 3Gb 8X Matrix output	\$2,550.00	\$1,849.87
81906531030	Ocelot 3Gb 16X Matrix input	\$3,615.00	\$2,622.47
Ocelot Power Supplies			
81906532830	Ocelot 3G Power Supply, 24W, 12VDC, 95-240VAC	\$75.00	\$54.41
81906519570	OCELOT US Power Supply	\$75.00	\$54.41
81906519580	OCELOT Outside US Power Supply	\$75.00	\$54.41
81902804110	AC Line Cord	\$16.00	\$11.61
81906525090	Power supply for 16x8 and 16x16 Ocelot HDMR Frames	\$375.00	\$272.04
<i>Above part used only with the OC1616HDMR mainframe</i>			
Ocelot Power Accessories / Spare Parts			
81906524100	Ocelot PRC Interface	\$450.00	\$326.45
81906519210	Ocelot Mainframe Assembly	\$300.00	\$217.63
81906519170	Ocelot Video Switching Regulator	\$125.00	\$90.68
81906519220	Ocelot Audio Switching Regulator	\$125.00	\$90.68
81906524100	Ocelot Controller - PRC interface	\$450.00	\$326.45
81906523540	Ocelot Connector Interface	\$150.00	\$108.82
81902803860	Cable RJ-45 8 Cond 1 FT	\$10.00	\$7.25
81902908110	Connector 3 Pin WECO	\$4.00	\$2.90
81903465080	OCELOT 1RU Blank Panel	\$45.00	\$32.64
81902803930	Cable 9 Pin to 9 Pin F Null MODEM	\$45.00	\$32.64
81902804000	Cable 9 Pin to 9 Pin F	\$35.00	\$25.39
Ocelot Control Panels			
<p>Note: The Ocelot local panel is powered by the Ocelot Frame. The Ocelot remote panel comes equipped with a US/110 power supply. To specify European or United Kingdom 220V power supply, add -EU or -UK to the part number.</p>			
OCRCP88L	Local 8 x 8 Ocelot Control Panel	\$325.00	\$235.77
OCRCP1616L	Local 16 x 16 Ocelot Control Panel	\$410.00	\$297.43
OCRCP81R	Remote 8 x 1 Ocelot Control Panel	\$400.00	\$290.18
OCRCPD81R	Remote Dual 8 x 1 Ocelot Control Panel	\$490.00	\$355.47
OCRCP88R	Remote 8 x 8 Ocelot Control Panel	\$465.00	\$337.33
OCRCP161R	Remote 16 x 1 Ocelot Control Panel	\$480.00	\$348.21
OCRCPD161R	Remote Dual 16 x 1 Ocelot Control Panel	\$530.00	\$384.48
OCRCP1616R	Remote 16 x 16 Ocelot Control Panel	\$530.00	\$384.48
OCRCPGPIO	Ocelot 16 x 16 GPI panel	\$775.00	\$562.22
81902301230	Ocelot Power Supply, 9VDC, 1A, EURO, CE Approved	\$55.00	\$39.90
81902301220	Ocelot Power Supply, 9VDC, 1A, US, CE Approved	\$55.00	\$39.90

PESA Part Number	Description	List Price	GSA Price
Mid-Size Routing Solutions			
Cougar 3G-SDI 32X32, 16X16			
Cougar 3G Video Systems with Small Scale Controller, with and without local PNET panel, US or EU Power Cords			
Cougar 3G-SDI Routing Systems - with small scale controller			
CG3G1616-BNC-SSC3-1	Cougar 16X16, 3G-SDI, BNC, Control, PS, US plug	\$8,140.00	\$5,905.09
CG3G1616-BNC-SSC3-1P	Cougar 16X16, 3G-SDI, BNC, Control, PS, PB panel, US plug	\$8,935.00	\$6,481.81
CG3G1616-BNC-SSC3-2	Cougar 16X16, 3G-SDI, BNC, Control, PS, Euro plug	\$8,140.00	\$5,905.09
CG3G1616-BNC-SSC3-2P	Cougar 16X16, 3G-SDI, BNC, Control, PS, PB panel, Euro plug	\$8,935.00	\$6,481.81
CG3G3232-BNC-SSC3-1	Cougar 32X32, 3G-SDI, BNC, Control, PS, US plug	\$14,140.00	\$10,257.73
CG3G3232-BNC-SSC3-1P	Cougar 32X32, 3G-SDI, BNC, Control, PS, PB panel, US plug	\$14,935.00	\$10,834.46
CG3G3232-BNC-SSC3-2	Cougar 32X32, 3G-SDI, BNC, Control, PS, Euro plug	\$14,140.00	\$10,257.73
CG3G3232-BNC-SSC3-2P	Cougar 32X32, 3G-SDI, BNC, Control, PS, PB panel, Euro plug	\$14,935.00	\$10,834.46
SSC3-CG3	Cougar 3 Small Scale Control, No Power Supply, No PS cord	\$995.00	\$721.81
SSC3-CG3-1	Cougar 3 small scale controller with US power cord	\$995.00	\$721.81
SSC3-CG3-2	Cougar 3 small scale controller with EU power supply	\$995.00	\$721.81
Cougar 3G-SDI Router - PS, No Controller			
CG3G-32X32-BNC	Cougar 32X32, 3G-SDI, BNC, PS, No Controller, US plug	\$13,995.00	\$10,152.54
CG3G-32X32-BNC-EU	Cougar 32X32, 3G-SDI, BNC, PS, No Controller, Euro plug	\$13,995.00	\$10,152.54
CG3G-16X16-BNC	Cougar 16X16, 3G-SDI, BNC, PS, No Controller, US plug	\$7,995.00	\$5,799.90
CG3G-16X16-BNC-EU	Cougar 16X16, 3G-SDI, BNC, PS, No Controller, Euro plug	\$7,995.00	\$5,799.90
Cougar Matrix Card Assemblies - 3GSDI			
CG3G-MATRIX-16X16	Cougar 3G 16X16 Video Matrix Card Only	\$3,995.00	\$2,898.14
CG3G-MATRIX-32X32	Cougar 3G 32X32 Video Matrix Card Only	\$8,995.00	\$6,525.34
Cougar 3 - Control and Power Options			
NET-CONNECT-KIT	Cougar Network Connection Kit - includes 5 Port Hub and 3 CAT5e Cables	\$295.00	\$214.01
SSC3-CG3	Cougar 3 Small Scale Control, No Power Supply, No PS cord	\$995.00	\$721.81
SSC3-CG3-1	Cougar 3 small scale controller with US power cord	\$995.00	\$721.81
SSC3-CG3-2	Cougar 3 small scale controller with EU power supply	\$995.00	\$721.81
DRS-SA-PSFC-1	DRS SA and Cougar 3 Power Supply with PERC1K and US Power Cord for DRS64SA and DRS128SA and Cougar 3 frames	\$850.00	\$616.62
DRS-SA-PSFC-2	DRS SA and Cougar 3 Power Supply with PERC1K and EU Power Cord for DRS64SA and DRS128SA and Cougar 3 frames	\$850.00	\$616.62
CG3G-PSFC	Cougar 3G power supply with fan control, US Power Cord - no control component included. Use with external control system only	\$850.00	\$616.62
CG3G-PSFC-EU	Cougar 3G power supply with fan control, EU Power Cord - no control component included. Use with external control system only	\$850.00	\$616.62
Cougar 3 - Ethernet Panels & Soft Panels			
PNET1604	PNET1604 E-PANEL 1RU 16 IN 4 OUT BUTTON PER SOURCE AND DESTINATION W P/S REMOTE	\$645.00	\$467.91
PNET1616	PNET1616 E-PANEL 1RU 16 IN 16 OUT BUTTON PER SOURCE AND DESTINATION W P/S REMOTE	\$895.00	\$649.27
PNET3232XY	PNET3232XY E-PANEL 2RU 32 IN 32 OUT BUTTON PER SOURCE AND DESTINATION W P/S REMOTE	\$1,095.00	\$794.36
PNET3232	PNET3232 E-PANEL 1RU 32 SHARED INPUT/OUTPUT PUSHBUTTON WITH P/S REMOTE	\$995.00	\$721.81
PNET-SOFT-5	PNET softpanels, 5 USER PACK, software to support up to 5 simultaneous users of virtual PNET panels. Must activate license to use panels.	\$495.00	\$359.09
PNET-SOFT-15	PNET softpanels, 15 USER PACK, software to support up to 15 simultaneous users of virtual PNET panels. Must activate license to use panels.	\$695.00	\$504.18
PNET-SOFT-25	PNET soft panels, 25 USER PACK, software to support up to 25 simultaneous users of virtual PNET panels. Must activate license to use panels.	\$995.00	\$721.81
PNET-SOFT-50	PNET soft panels, 50 USER PACK, software to support up to 50 simultaneous users of virtual PNET panels. Must activate license to use panels.	\$1,495.00	\$1,084.53
Jaguar			
Jaguar 3 - 3G-SDI Routing Switcher			
JAG3G-64X64-BNC-1	Jaguar, 3G-SDI, 64X64, PS, PRC Control, order Controller separately	\$32,990.00	\$23,932.29
JAG3G-32X32-BNC-1	Jaguar, 3G-SDI, 32X32, PS, PRC Control, order Controller separately	\$21,500.00	\$15,596.98
JAG3-3232BNC-P15-1	Jaguar, 32X32, 3G-SDI, BNC, SSC, PS, US plug	\$21,495.00	\$15,593.35
JAG3-3232BNC-P15-1P	Jaguar, 32X32, 3G-SDI, BNC, SSC, PS, XYPB panel, US plug	\$22,690.00	\$16,460.25
JAG3-3232BNC-P15-2	Jaguar, 32X32, 3G-SDI, BNC, SSC, PS, Euro plug	\$21,495.00	\$15,593.35
JAG3-3232BNC-P15-2P	Jaguar, 32X32, 3G-SDI, BNC, SSC, PS, XYPB panel, Euro plug	\$22,690.00	\$16,460.25
JAG3-6464BNC-P15-1	Jaguar, 64X64, 3G-SDI, BNC, SSC, PS, US plug	\$32,990.00	\$23,932.29
JAG3-6464BNC-P15-1P	Jaguar, 64X64, 3G-SDI, BNC, SSC, PS, XYPB panel, US plug	\$34,185.00	\$24,799.19
JAG3-6464BNC-P15-2	Jaguar, 64X64, 3G-SDI, BNC, SSC, PS, Euro plug	\$32,990.00	\$23,932.29
JAG3-6464BNC-P15-2P	Jaguar, 64X64, 3G-SDI, BNC, SSC, PS, XYPB panel, Euro plug	\$34,185.00	\$24,799.19
Jaguar 3 - 3G-SDI Matrix Card			
JAG3G-MATRIX	Jaguar Video Matrix Card. Provides 32 inputs and 32 outputs.	\$11,495.00	\$8,338.94
Jaguar 3 - 3G-SDI Accessories			
JAG3G-MAINFRAME	Mainframe Assembly w/o PS, CTRL, Matrix Card.	\$8,500.00	\$6,166.25
JAG3G-PSFC	Power Supply, 95V-250VAC, 125W, 24VDC, with fan and control	\$1,500.00	\$1,088.16

PESA Part Number	Description	List Price	GSA Price
Jaguar 3 - Ethernet Panels & Soft Panels			
PNET6404	Jaguar 3 Control Panel, 64 input, 4 output, 2RU, w/PS, Ethernet	\$1,295.00	\$939.45
PNET6464XY	Jaguar 3 Control Panel, 32 input, 32 output, 2RU, w/PS, Ethernet	\$1,295.00	\$939.45
PNET6464TP	Jaguar 3 Control Panel, 64 shared IO, 2RU, w/PS, Ethernet	\$1,295.00	\$939.45
PNET6464XY-L	Jaguar 3 Control Panel, 32 input and 32 output, local panels	\$1,195.00	\$866.90
PNET-SOFT-5	PNET softpanels, 5 USER PACK, software to support up to 5 simultaneous users of virtual PNET panels. Must activate license to use panels.	\$495.00	\$359.09
PNET-SOFT-15	PNET softpanels, 15 USER PACK, software to support up to 15 simultaneous users of virtual PNET panels. Must activate license to use panels.	\$695.00	\$504.18
PNET-SOFT-25	PNET soft panels, 25 USER PACK, software to support up to 25 simultaneous users of virtual PNET panels. Must activate license to use panels.	\$995.00	\$721.81
PNET-SOFT-50	PNET soft panels, 50 USER PACK, software to support up to 50 simultaneous users of virtual PNET panels. Must activate license to use panels.	\$1,495.00	\$1,084.53
Mini-Switch Routing Solutions			
Quadbox modules are four-port units that convert coax to fiber, fiber to coax, as well as provide for mini-switch applications for 4x4 fiber or coax switching. Each module comes with a USB cable, setup software, and power supply			
Quadbox - Coax Input / Output			
QFX-QUAD30-4X4C	Quadbox 4 x 4 router, 4 Coax in and 4 coax out, 3Gb, with PS & SW	\$1,795.00	\$1,302.17
Quadbox - Fiber Input / Output			
QFX-QUAD30-4X4F	Quadbox 4 x 4 router, 4 fiber in and 4 fiber out, 3Gb, with PS & SW	\$3,495.00	\$2,535.42
QFX-4X4-SWX-NM	Quadbox 4X4 Module with empty SFP cages. Includes Power supply, USB cable and CatTrax software. Add easySFP or standard fiber SFP modules as needed.	\$2,005.00	\$1,454.51
Quadbox - Coax Input / Fiber Output			
QFX-QUAD30-TX-PS-4X4	Quadbox TX 4 Coax IN 4 Fiber OUT 3G with PS and 4x4 Switch. Quad Transmitter, four coax 3G-SDI inputs to four LC fiber outputs. Internal 4x4 Switch. Includes power supply, USB cable, and CatTrax SW	\$2,705.00	\$1,962.32
Quadbox - Fiber Input / Coax Output			
QFX-QUAD30-RX-PS-4X4	Quadbox RX 4 Fiber IN 4 Coax OUT 3G with PS and 4x4 Switch. Quad Receiver, four LC fiber inputs to four coax 3G-SDI outputs. Internal 4x4 switch. Includes power supply, USB cable, and CatTrax SW	\$2,705.00	\$1,962.32
Quadbox - Rack Mount Kits			
DL-RKMT-1RU-1PS	Rack mount kit with one power supply. Holds up to 2 DL-DVI / VidBlox modules in a side by side configuration or 4 Quadbox modules. 1RU	\$540.00	\$391.74
DL-RKMT-1RU-2PS	Rack mount kit with two power supplies (redundant). Holds up to 2 DL-DVI / VidBlox modules in a side by side configuration or 4 Quadbox modules. 1RU	\$594.00	\$430.91
81903476350	Mounting bracket for QFX QuadBox, VidBlox / DL-DVI under-the-table mounting bracket. Holds one TX or one RX module. Captive screws included with each bracket. No mounting hardware included.	\$50.00	\$36.27
Quadbox - Power Supply			
QFX-RKMT-PS	Power supply for Quadbox and Vidblox rack mount 95-240VAC 12VDC 83W Universal Cord	\$75.00	\$54.41
QFX-SA-PS	Standalone power supply for Quadbox and Vidblox 95-240VAC 12VDC 30W Universal Plug	\$60.00	\$43.53
Quadbox - Accessories			
81901704860	SFP 3G DUAL Fiber Optic Transmitter, Single Mode	\$350.00	\$253.90
81901704850	SFP 3G DUAL Fiber Optic Receiver, Single Mode	\$350.00	\$253.90
DRS-PSFC	Cheetah DRS, Power Supply with Fan Control	\$850.00	\$616.62
DRS Audio Systems			
The DRS System is defined in three series styles: SERIES - C = compact, no DXE required SERIES - M = mid-range, DXE up to 2048X2048 SERIES - E = enterprise, E-DXE up to 7680X7680			
DRS - Series C, Analog In / Analog Out			
DRS64SA-IOAA-W-1	DRS 64 I/O ANALOG WEIDMULLER - FRAME I/O CARD & P1K USA	\$9,375.00	\$6,801.01
DRS64SA-IOAA-W-2	DRS 64 I/O ANALOG WEIDMULLER - FRAME I/O CARD & P1K Euro	\$9,375.00	\$6,801.01
DRS128SA-IOAA-W-1	DRS 128 I/O ANALOG WEIDMULLER - FRAMES I/O CARD & P1K USA	\$18,750.00	\$13,602.02
DRS128SA-IOAA-W-2	DRS 128 I/O ANALOG WEIDMULLER - FRAMES I/O CARD & P1K Euro	\$18,750.00	\$13,602.02
DRS - Series C, Analog In / AES Out			
DRS64SA-IAAOAES-W-1	DRS 64, Analog In, AES Out, 6-Pin, P1K, PS, 1RU, US plug	\$10,931.25	\$7,929.97
DRS64SA-IAAOAES-W-2	DRS 64, Analog In, AES Out, 6-Pin, P1K, PS, 1RU, Euro plug	\$10,931.25	\$7,929.97
DRS64SA-IAAOAES-WB-1	DRS 64, Analog In, AES Out (BNC), P1K, PS, 1RU, US plug	\$10,931.25	\$7,929.97
DRS64SA-IAAOAES-WB-2	DRS 64, Analog In, AES Out (BNC), P1K, PS, 1RU, Euro plug	\$10,931.25	\$7,929.97
DRS128SA-IAAOAES-W-1	DRS 128, Analog In, AES Out, 6-pin, P1K, PS, 2RU, US plug	\$17,625.00	\$12,785.89
DRS128SA-IAAOAES-W-2	DRS 128, Analog In, AES Out, 6-pin, P1K, PS, 2RU, Euro plug	\$17,625.00	\$12,785.89
DRS128SA-IAAOAES-WB1	DRS 128, Analog In, AES Out (BNC), P1K, PS, 2RU, US plug	\$17,625.00	\$12,785.89
DRS128SA-IAAOAES-WB2	DRS 128, Analog In, AES Out (BNC), P1K, PS, 2RU, Euro plug	\$17,625.00	\$12,785.89
DRS - Series C, AES In / Analog Out			
DRS64SA-IAESAAA-W-1	DRS 64, AES In (6 pin), Analog Out (6-pin), P1K, PS, 1RU, US plug	\$10,931.25	\$7,929.97
DRS64SA-IAESAAA-W-2	DRS 64, AES In (6 pin), Analog Out (6-pin), P1K, PS, 1RU, Euro plug	\$10,931.25	\$7,929.97
DRS64SA-IAESAAA-WB-1	DRS 64, AES In (BNC), Analog Out (6 pin), P1K, PS, 1RU, US plug	\$10,931.25	\$7,929.97
DRS64SA-IAESAAA-WB-2	DRS 64, AES In (BNC), Analog Out (6 pin), P1K, PS, 1RU, Euro plug	\$10,931.25	\$7,929.97
DRS128SA-IAESAAA-W-1	DRS128, AES In (6 pin), Analog Out (6 pin), P1K, PS, 2RU, US plug	\$17,625.00	\$12,785.89
DRS128SA-IAESAAA-W-2	DRS 128, AES In (6 pin), Analog Out (6 pin), P1K, PS, 2RU, Euro plug	\$17,625.00	\$12,785.89
DRS128SA-IAESAAA-WB1	DRS 128, AES In (BNC), Analog Out (6 pin), P1K, PS, 2RU, US plug	\$17,625.00	\$12,785.89
DRS128SA-IAESAAA-WB2	DRS 128, AES In (BNC), Analog Out (6 pin), P1K, PS, 2RU, Euro plug	\$17,625.00	\$12,785.89
DRS - Series C, AES In / AES Out			
DRS64SA-IOAES-BNC-1	DRS 64, AES In (BNC), AES Out (BNC), P1K, PS, 1RU, US plug	\$8,250.00	\$5,984.89
DRS64SA-IOAES-BNC-2	DRS 64, AES In (BNC), AES Out (BNC), P1K, PS, 1RU, Euro plug	\$8,250.00	\$5,984.89
DRS64SA-IOAES-W-1	DRS 64, AES In (6 pin), AES Out (6 pin), P1K, PS, 1RU, US plug	\$8,250.00	\$5,984.89
DRS64SA-IOAES-W-2	DRS 64, AES In (6 pin), AES Out (6 pin), P1K, PS, 1RU, Euro plug	\$8,250.00	\$5,984.89
DRS128SA-IOAES-BNC-1	DRS 128, AES In (BNC), AES Out (BNC), P1K, PS, 2RU, US plug	\$16,500.00	\$11,969.77
DRS128SA-IOAES-BNC-2	DRS 128, AES In (BNC), AES Out (BNC), P1K, PS, 2RU, Euro plug	\$16,500.00	\$11,969.77
DRS128SA-IOAES-W-1	DRS 128, AES In (6pin), AES Out (6 pin), P1K, PS, 2RU, US plug	\$16,500.00	\$11,969.77
DRS128SA-IOAES-W-2	DRS 128, AES In (6 pin), AES Out (6 pin), P1K, PS, 2RU, Euro plug	\$16,500.00	\$11,969.77
DRS - Series C, Analog / AES Input Card			
DRS64SA-IAAIAES-W-1	DRS 128, 64 Analog In (6 pin), 64 AES In (6 pin) P1K, PS, 1RU, US plug	\$8,812.50	\$6,392.95
DRS64SA-IAAIAES-W-2	DRS 128, 64 Analog In (6 pin), 64 AES In (6 pin), P1K, PS, 1RU, Euro	\$8,812.50	\$6,392.95
DRS64SA-IAAIAES-WB-1	DRS 128, 64 Analog In (6 pin), 64 AES In (BNC), P1K, PS, 1RU, US plug	\$8,812.50	\$6,392.95
DRS64SA-IAAIAES-WB-2	DRS 128, 64 Analog In (6 pin), 64 AES In (BNC), P1K, PS, 1RU, Euro plug	\$8,812.50	\$6,392.95
DRS - Series C, Analog / AES Output Card			
DRS64SA-OAAOAES-W-1	DRS 128, 64 Analog Out (6 pin), 64 AES Out (6 pin), P1K, PS, 1RU, US	\$8,812.50	\$6,392.95
DRS64SA-OAAOAES-W-2	DRS 128, 64 Analog Out (6 pin), 64 AES Out (6 pin), P1K, PS, 1RU, EU	\$8,812.50	\$6,392.95
DRS64SA-OAAOAES-WB-1	DRS 128, 64 Analog Out (6 pin), 64 AES Out (BNC), P1K, PS, 1RU, US	\$8,812.50	\$6,392.95
DRS64SA-OAAOAES-WB-2	DRS 128, 64 Analog Out (6 pin), 64 AES Out (BNC), P1K, PS, 1RU, EU	\$8,812.50	\$6,392.95
DRS - Series C, ELCO Connectors			
DRS64SA-IOAA-ELCO-1	DRS FRAME 64 ANALOG ELCO - FRAME, P1K, USA	\$9,375.00	\$6,801.01
DRS64SA-IOAA-ELCO-2	DRS FRAME 64 ANALOG ELCO - FRAME, P1K, EU	\$9,375.00	\$6,801.01
DRS - Series C, Power Supplies			
DRS-SA-PSFC-1	DRS SA Power Supply with P1K and US Power Cord	\$637.50	\$462.47
DRS-SA-PSFC-2	DRS SA Power Supply with P1K and EU Power Cord	\$637.50	\$462.47

PESA Part Number	Description	List Price	GSA Price
DRS Audio with DXE			
Note: Use the "DRS" Configuration Worksheet to build a DRS router.			
DRS - Series M & E , Data Exchange Engine			
DRS-DXE-1310	DRS, Data Exchange Engine with 1310nm SM fiber	\$14,162.50	\$10,274.06
DRS-DXE-NF	DRS, Data Exchange Engine without fiber extension	\$11,550.00	\$8,378.84
DRS-DXE-CARD	DRS, Data Exchange Engine Logic Card Only	\$9,350.00	\$6,782.87
DRS-EDXE-1310	DRS, Extended Processor,1536X1536 (expansion), 1310nm SM	\$18,500.00	\$13,420.65
DRS-EDXE-NF	DRS, Extended Processor,1536X1536 (no expansion)	\$17,182.37	\$12,464.79
DRS-EDXE-CARD	DRS, Extended Processor Engine Logic Card Only	\$6,478.95	\$4,700.09
81901704920	DRS Expansion +SFP Optical Transceiver, 1310nm, 8Gbps, 1.4KM	\$917.00	\$665.23
EDXE Expansion Note:			
3 EDXE @ 1536 each = 4608x4608 audio system= 2 +SFP in each EDXE frame			
4 EDXE @ 1536 each = 6144x6144 audio system= 3 +SFP in each EDXE frame			
5 EDXE @ 1536 each = 7680x7680 audio system= 4 +SFP in each EDXE frame			
DRS-EDXE-1310 standard configuration includes two (2) each DRS Expansion +SFP Optical Transceiver modules Part Number 81901704920.			
The standard configuration allows for the interconnection of up to three (3) DRS-EDXE-1310 for a total audio system I/O size of 4608 x 4608.			
Expansion to support four (4) interconnected DRS-EDXE-1310 units for a total audio system I/O size 6144 x 6144 requires three (3) +SFP transceivers per EDXE unit.			
Maximum DRS Audio system expansion to support five (5) interconnected DRS-EDXE-1310 units for a total audio system I/O size of 7680 x 7680 requires four (4) +SFP transceivers per EDXE unit.			
DRS - Series M & E, Input Frames			
DRS-FRM-IAA-W	DRS, Analog Input (6 pin), PS/ fan module, 1RU	\$12,500.00	\$9,068.01
DRS-FRM-IAES-W	DRS, AES Input (6 pin), PS/fan module, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-IAES-BNC	DRS, AES Input (BNC), PS/fan module, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-IAES-ELCO	DRS, AES Input (ELCO), PS/fan module, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-IAA-ELCO	DRS, Analog Input (ELCO), PS/fan module, 1RU	\$12,500.00	\$9,068.01
DRS - Series M & E, Output Frames			
DRS-FRM-OAA-W	DRS, Analog Output (6 pin), PS/Fan module, 1RU	\$12,500.00	\$9,068.01
DRS-FRM-OAES-W	DRS, AES Output (6 pin), PS/Fan module, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-OAES-BNC	DRS, AES Output (BNC), PS/Fan module, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-OAES-ELCO	DRS, AES Output (ELCO), PS/Fan module, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-OAA-ELCO	DRS, Analog Output (ELCO), PS/Fan module, 1RU	\$12,500.00	\$9,068.01
DRS - Series M & E, Timecode Frames			
DRS-FRM-64-ITC-BNC	DRS, Timecode, Input, BNC, PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-64-OTC-BNC	DRS, Timecode, Output, BNC, PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-64-ITC-W	DRS, Timecode, Input, 6 pin, PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-64-OTC-W	DRS, Timecode, Output, 6 pin, PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-64-ITC-ELCO	DRS, Timecode, Input, ELCO, PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-64-OTC-ELCO	DRS, Timecode, Output, ELCO, PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS - Series M & E, Mixed Format IO Frames			
DRSFRM64-IAAOAES-WB	DRS, 64 Analog Input (6 pin), 64 AES Output (BNC), PS/Fan, 1RU	\$14,575.00	\$10,573.30
DRSFRM64-IAES0AA-WB	DRS, 64 AES Input (BNC), 64 Analog Output (6 pin), PS/Fan, 1RU	\$14,575.00	\$10,573.30
DRSFRM64-IAAOAES-EB	DRS, 64 Analog Input (ELCO), 64 AES Output (BNC), PS/Fan, 1RU	\$14,575.00	\$10,573.30
DRSFRM64-IAES0AA-EB	DRS, 64 AES Input (BNC), 64 Analog Output (ELCO), PS/fan, 1RU	\$14,575.00	\$10,573.30
DRSFRM64-IAAOAES-W	DRS, 64 Analog Input (6 pin), 64 AES Output (6 pin), PS/Fan, 1RU	\$14,575.00	\$10,573.30
DRSFRM64-IAES0AA-W	DRS, 64 AES Input (6 pin), 64 Analog Output (6 pin), PS/Fan, 1RU	\$14,575.00	\$10,573.30
DRSFRM64-IAAOAES-E	DRS, 64 Analog Input (ELCO), 64 AES Output (ELCO), PS/Fan, 1RU	\$14,575.00	\$10,573.30
DRSFRM64-IAES0AA-E	DRS, 64 AES Input (ELCO), 64 Analog Output (ELCO), PS/Fan, 1RU	\$14,575.00	\$10,573.30
DRS-FRM-64-IOAA-W	DRS, 64 Analog Input (6 pin), 64 Analog Output (6 pin), PS/Fan, 1RU	\$12,500.00	\$9,068.01
DRS-FRM-64-IOAA-ELCO	DRS, 64 Analog Input (ELCO), 64 Analog Output (ELCO), PS/Fan, 1RU	\$12,500.00	\$9,068.01
DRS-FRM-64-IOAES-W	DRS, 64 AES Input (6 pin), 64 AES Output (6 pin), PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-64-IOAES-BNC	DRS, 64 AES Input (BNC), 64 AES Output (BNC), PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS-FRM-64-IOAES-ELC	DRS, 64 AES Input (ELCO), 64 AES Output (ELCO), PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS - Series M & E, Mixed Input Frames			
DRSFRM64-IAAIAES-W	DRS 128, 64 Analog Input, 64 AES Inputs (6 pin), PS/Fan, 1RU	\$11,750.00	\$8,523.93
DRSFRM64-IAAIAES-E	DRS 128, 64 Analog Input, 64 AES Inputs (ELCO), PS/Fan, 1RU	\$11,750.00	\$8,523.93
DRSFRM64-IAAIAES-WB	DRS 128, 64 Analog Input (6 pin), 64 AES Inputs (BNC), PS/Fan, 1RU	\$11,750.00	\$8,523.93
DRSFRM64-IAAIAES-EB	DRS 128, 64 Analog Input (ELCO), 64 AES Input (BNC), PS/Fan, 1RU	\$11,750.00	\$8,523.93
DRS - Series M & E, Mixed Output Frames			
DRSFRM64-OAAOAES-W	DRS 128, 64 Analog Output, 64 AES Output (6 pin), PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRSFRM64-OAAOAES-E	DRS 128, 64 Analog Output, 64 AES Output (ELCO), PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRSFRM64-OAAOAES-WB	DRS 128, 64 Analog Output (6 pin), 64 AES Output (BNC), PS/Fan, 1RU	\$11,000.00	\$7,979.85
DRS - Series C, M & E- Board Assemblies			
DRS-128-IAES	Cheetah DRS, Input Card, AES	\$9,575.00	\$6,946.10
DRS-128-OAES	Cheetah DRS, Output Card, AES	\$9,575.00	\$6,946.10
DRS-128-IAA	Cheetah DRS, Input Card, Mono Analog Audio	\$11,075.00	\$8,034.26
DRS-128-OAA	Cheetah DRS, Output Card, Mono Analog Audio	\$11,075.00	\$8,034.26
DRS-64-ITC-BNC	Cheetah DRS 64 Input Timecode BNC - Card	\$9,575.00	\$6,946.10
DRS-64-OTC-BNC	Cheetah DRS 64 Output Timecode BNC - Card	\$9,575.00	\$6,946.10
DRS-64-ITC-DIF	Cheetah DRS 64 Differential Time Code Input Card	\$9,575.00	\$6,946.10
DRS-64-OTC-DIF	Cheetah DRS 64 Differential Time Code Output Card	\$9,575.00	\$6,946.10
DRS-64-IO-AA	Cheetah DRS 64 mono input analog / mono output analog card	\$11,075.00	\$8,034.26
DRS-64-IO-AES	Cheetah DRS 64 mono input AES / mono output AES card	\$9,575.00	\$6,946.10
DRS-64-IAAIAES	Cheetah DRS 64 Mono input analog / input AES card	\$13,150.00	\$9,539.55
DRS-64-OAAOAES	Cheetah DRS 64 Mono output analog / output AES card	\$13,150.00	\$9,539.55
DRS-64-IAAOAES	Cheetah DRS 64 mono input analog / output AES card	\$13,150.00	\$9,539.55
DRS-64-IAES0AA	Cheetah DRS 64 mono input AES / output analog card	\$13,150.00	\$9,539.55
DRS - Series C, M & E- Frame Only			
DRS-FBNC	Cheetah DRS, Frame (only) with BNC I/O	\$2,000.00	\$1,450.88
DRS-FW	Cheetah DRS, Frame (only) with Weidmuller I/O	\$2,000.00	\$1,450.88
DRS-FE	Cheetah DRS, Frame (only) with ELCO I/O	\$2,000.00	\$1,450.88
DRS-FEBNC	Cheetah DRS, Frame (only) with ELCO and BNC Connectors	\$2,000.00	\$1,450.88
DRS-FWBNC	Cheetah DRS, Frame (only) with Weidmuller and BNC Connectors	\$2,000.00	\$1,450.88
DRS - Series C, M & E- Power Supplies			
DRS-PSFC	Cheetah DRS, Power Supply with Fan Control	\$850.00	\$616.62
DRS-DXE-PSFC	Cheetah DRS, DXE Power Supply with Frame Control	\$850.00	\$616.62
DRS-EDXE-PSFC	Cheetah DRS, E-DXE Power Supply with Frame Control	\$1,500.00	\$1,088.16
DRS - Series C, M & E- Accessories			
GIGE-TXRX-SM-WDM-1F	100 BaseT to Optical Fiber using WDM-A at 1310 TX and 1550 RX. Includes power packs. For single mode optical fiber	\$1,695.00	\$1,229.62
GIGE-TXRX-SM-1310NM	100 BaseT to 1310nm single mode Optical Fiber, LC connectors. Includes power packs. For single mode optical fiber	\$1,095.00	\$794.36
GIGE-TXRX-MM-850NM	100 BaseT to 850nm single mode Optical Fiber, LC connectors. Includes power packs. For single mode optical fiber	\$1,045.00	\$758.09
DRS - Series M & E- MADI Options			
DRS-FRM-IMADI-BNC	DRS MADI Input Module - BNC	\$5,000.00	\$3,627.20
DRS-FRM-OMADI-BNC	DRS MADI Output Module - BNC	\$5,000.00	\$3,627.20

PESA Part Number	Description	List Price	GSA Price
DRSFRM64-IOMADI-BNC	DRS IO MADI 64X64 Input and Output Module, BNC	\$5,000.00	\$3,627.20
DRS-1RU-TRAY	DRS Single Rack Mount Tray for up to 4 MADI Modules	\$400.00	\$290.18
DRS-1RU-TRAY-PS-US	PS for DRS-1RU-TRAY +12VDC Output, 108W, 95-240VAC pwr cord	\$75.00	\$54.41
RKMT-1RU	Rack mount for up to four modules, no PSU	\$150.00	\$108.82
V5-PS	Cheetah V5 - MADI Power Supply	\$50.00	\$36.27
Router Control Systems			
PERC 3000 Ethernet Router Control Systems			
PERC3000	PERC3000 System, single 1RU server, Internal PS	\$5,995.00	\$4,349.02
PERC3000-SERIAL-IF	PERC3000 Serial Interface, Ethernet to Serial, 1RU	\$4,995.00	\$3,623.58
RCP-PANEL-SERVER	RCP Panel server: Adapter for RCP Panels with P3K, up to 32 panels	\$1,995.00	\$1,447.25
PERC 2000 Ethernet Router Control Systems			
PERC2000	PERC2000 System CPU card, mounts inside router	\$2,500.00	\$1,813.60
PERC2K-S	PERC2000 System CPU, Card and 1RU Frame w/PS	\$3,700.00	\$2,684.13
PERC2K-D	PERC2000 System CPU, Dual CPU and 1RU Frame w/Dual PS	\$6,500.00	\$4,715.37
PERC2K-MAINFRAME-1RU	PERC2000 Mainframe Assembly, 1RU, with PS (no CPU installed)	\$1,200.00	\$870.53
3500PRO Router Control Systems			
3500PRO	Single CPU, mounts inside Switcher frame	\$2,750.00	\$1,994.96
3500PRO-S	Single CPU in 1RU chassis, 6 ft. power cable	\$3,844.50	\$2,788.96
3500PRO-D	Dual CPU in 2RU chassis, dual PS	\$8,464.50	\$6,140.49
3500PRO-SE	Single CPU in 2RU chassis, single PS, may be expanded to dual	\$5,494.50	\$3,985.93
3500PRO-SE-EXP	Expansion kit for 3500PRO-SE, single CPU and PS	\$2,970.00	\$2,154.56
Cattrax Control Management Software			
Note: Three (3) years of Software maintenance for Cattrax and Cattrax-J is included with the purchase price.			
CATTRAX - Std	Cattrax Network Software - Windows based Control Management - Frame Size 64/128/144	\$895.00	\$649.27
CATTRAX - 288x288	Cattrax Network Software - Windows based Control Management - Frame Size 288x288	\$3,000.00	\$2,176.32
CATTRAX - 288x576	Cattrax Network Software - Windows based Control Management - Frame Size 288x576	\$4,000.00	\$2,901.76
CATTRAX - 576x576	Cattrax Network Software - Windows based Control Management - Frame Size 576x576	\$5,000.00	\$3,627.20
Cattrax-J Control Management Software - US DoD Approved Products List (APL) for Video Distribution Systems			
Note: Three (3) years of Software maintenance for Cattrax-J is included with the purchase price.			
CATTRAX-J-Std	Cattrax Network Software - Windows based Control Management - JITC Approved Version - Frame Size 64/128/144	\$1,200.00	\$870.53
CATTRAX-J-288x288	Cattrax Network Software - Windows based Control Management - JITC Approved Version - Frame Size 288x288	\$3,305.00	\$2,397.58
CATTRAX-J-288x576	Cattrax Network Software - Windows based Control Management - JITC Approved Version - Frame Size 288x576	\$4,305.00	\$3,123.02
CATTRAX-J-576x576	Cattrax Network Software - Windows based Control Management - JITC Approved Version - Frame Size 576x576	\$5,305.00	\$3,848.46

PESA Part Number	Description	List Price	GSA Price
Catrax Web Control Management Software			
CATTRAXWEB-10	10 user licence for web based Catrax Control Management SW	\$5,000.00	\$3,627.20
CATTRAXWEB-25	25 user license for web based Catrax Control Management SW	\$7,500.00	\$5,440.81
CATTRAXWEB-50	50 user license for web based Catrax Control Management SW	\$10,000.00	\$7,254.41
CATTRAXWEB-100	100 user license for web based Catrax Control Management SW	\$15,000.00	\$10,881.61
Note: CATTRAX-Web software is subject to an annual maintenance fee after the initial 12 months. CATTRAXWEB-##-MAINT-1 pricing applies to purchases completed at original POS or during an existing covered period; CATTRAXWEB-##-MAINT-2 pricing applies to purchases completed not at the original POS.			
CATTRAXWEB-10-MAINT-1	CATTRAXWEB-10 Annual Software Maintenance Fee-1	\$500.00	\$463.48
CATTRAXWEB-25-MAINT-1	CATTRAXWEB-25 Annual Software Maintenance Fee-1	\$750.00	\$695.21
CATTRAXWEB-50-MAINT-1	CATTRAXWEB-50 Annual Software Maintenance Fee-1	\$1,000.00	\$926.95
CATTRAXWEB-100-MAINT-1	CATTRAXWEB-100 Annual Software Maintenance Fee-1	\$1,500.00	\$1,390.43
CATTRAXWEB-10-MAINT-2	CATTRAXWEB-10 Annual Software Maintenance Fee-2	\$600.00	\$556.17
CATTRAXWEB-25-MAINT-2	CATTRAXWEB-25 Annual Software Maintenance Fee-2	\$900.00	\$834.26
CATTRAXWEB-50-MAINT-2	CATTRAXWEB-50 Annual Software Maintenance Fee-2	\$1,200.00	\$1,112.34
CATTRAXWEB-100-MAINT-2	CATTRAXWEB-100 Annual Software Maintenance Fee-2	\$1,800.00	\$1,668.51
Router Control System Accessories and Options			
81906529850	PERC 2000 GUI CD	N/C	N/C
DRS-PSFC	Cheetah DRS/PERC2K-S+D, Power Supply with Fan Control	\$850.00	\$616.62
PWR35S	Optional Standalone Power Supply for 3500S Controller	\$495.00	\$359.09
81906520480	PS130V power supply, internal mount - 3500PRO Controller	\$595.00	\$431.64
VP-PANEL	"Virtual Panel" -- Windows based software control. - 3500PRO	N/C	N/C
PANPRTEXP	Dual 1x4 RS485 Panel Port Expander	\$1,850.00	\$1,342.07
SWXPRTXP	Dual 1x4 PRC Expansion Port Module	\$1,850.00	\$1,342.07
PANPRTEXP-4X31	Navy Panel Port Expander, 1x124 or 4x31	\$25,000.00	\$18,136.02
FIBEXT-422-485-SM-ST	Pair, RS232/422/485 Fiber Media Converters, SM fiber, ST, 1310nm	\$3,995.00	\$2,898.14
RCP Control Panels			
PERC3000 Control Panel Options			
TOUCH72LCD	72 button 2RU panel, programmable LCD, with touchscreen, PS	\$6,995.00	\$5,074.46
TOUCH72LCD-EU	72 button 2RU panel, programmable LCD, with touchscreen, w/Euro-PS	\$6,995.00	\$5,074.46
SMART32	32 button 1RU panel, programmable LCD, PS	\$4,495.00	\$3,260.86
RCP-PANEL-SERVER	RCP Panel server: Adapter for RCP Panels with P3K, up to 32 panels	\$1,995.00	\$1,447.25
XY Control Panels (add -EU or -UK to part number for Euro or UK 220V power packs)			
RCPMLTP	X/Y Panel w/ Button per Level Break-Away	\$1,171.50	\$849.85
RCPMLTP-EU	X/Y Panel w/ Button per Level Break-Away	\$1,171.50	\$849.85
RCPMLTP-UK	X/Y Panel w/ Button per Level Break-Away	\$1,171.50	\$849.85
RCPMLTP2DM	X/Y Panel, 1/2 Rack Wide, Desk Mount	\$1,611.50	\$1,169.05
RCPMLTP2DM-EU	X/Y Panel, 1/2 Rack Wide, Desk Mount	\$1,611.50	\$1,169.05
RCPMLTP2DM-UK	X/Y Panel, 1/2 Rack Wide, Desk Mount	\$1,611.50	\$1,169.05
RCPMLTP2CM	X/Y Panel, 1/2 Rack Wide, Console Mount	\$1,391.50	\$1,009.45
RCPMLTP2CM-EU	X/Y Panel, 1/2 Rack Wide, Console Mount	\$1,391.50	\$1,009.45
RCPMLTP2CM-UK	X/Y Panel, 1/2 Rack Wide, Console Mount	\$1,391.50	\$1,009.45
RCPMLTP2LH	X/Y Panel, 1/2 Rack Wide, Left-Hand Mount	\$1,501.50	\$1,089.25
RCPMLTP2LH-EU	X/Y Panel, 1/2 Rack Wide, Left-Hand Mount	\$1,501.50	\$1,089.25
RCPMLTP2LH-UK	X/Y Panel, 1/2 Rack Wide, Left-Hand Mount	\$1,501.50	\$1,089.25
RCPMLTP2RH	X/Y Panel, 1/2 Rack, Right-Hand Mount	\$1,501.50	\$1,089.25
RCPMLTP2RH-EU	X/Y Panel, 1/2 Rack, Right-Hand Mount	\$1,501.50	\$1,089.25
RCPMLTP2RH-UK	X/Y Panel, 1/2 Rack, Right-Hand Mount	\$1,501.50	\$1,089.25
RCPMLTP2DL	Two X/Y Panels Mounted Side By Side	\$2,651.00	\$1,923.14
RCPMLTP2DL-EU	Two X/Y Panels Mounted Side By Side	\$2,651.00	\$1,923.14
RCPMLTP2DL-UK	Two X/Y Panels Mounted Side By Side	\$2,651.00	\$1,923.14
RCPSLCXY	Single Low Cost X/Y Control Panel	\$621.50	\$450.86
RCPSLCXY-EU	Single Low Cost X/Y Control Panel	\$621.50	\$450.86
RCPSLCXY-UK	Single Low Cost X/Y Control Panel	\$621.50	\$450.86
RCPXY	Rotary X/Y Control Panel	\$1,171.50	\$849.85
RCPXY-EU	Rotary X/Y Control Panel	\$1,171.50	\$849.85
RCPXY-UK	Rotary X/Y Control Panel	\$1,171.50	\$849.85
RCPMLDT	Multi Level Direct Take X/Y Panel-64 Btns	\$2,271.50	\$1,647.84
RCPMLDT-EU	Multi Level Direct Take X/Y Panel-64 Btns	\$2,271.50	\$1,647.84
RCPMLDT-UK	Multi Level Direct Take X/Y Panel-64 Btns	\$2,271.50	\$1,647.84
RCPMLDT2	Multi Level Direct Take X/Y Panel-32 Btns	\$1,611.50	\$1,169.05
RCPMLDT2-EU	Multi Level Direct Take X/Y Panel-32 Btns	\$1,611.50	\$1,169.05
RCPMLDT2-UK	Multi Level Direct Take X/Y Panel-32 Btns	\$1,611.50	\$1,169.05
RCP64X	Remote 64 button X/Y control panel	\$1,232.00	\$893.74
RCP64X-EU	Remote 64 button X/Y control panel	\$1,232.00	\$893.74
RCP64X-UK	Remote 64 button X/Y control panel	\$1,232.00	\$893.74
Multi-Page / Multi-bus Panels			
RCPMP32D	Multi-Page panel, 32 buttons w/display	\$1,314.50	\$953.59
RCPMP32D-EU	Multi-Page panel, 32 buttons w/display	\$1,314.50	\$953.59
RCPMP32D-UK	Multi-Page panel, 32 buttons w/display	\$1,314.50	\$953.59
RCPMP32D-NL	Multi-Page panel, 32 buttons w/display, unlighted pushbuttons	\$1,424.50	\$1,033.39
RCPMB2	8/16 Bus Control Panel with Direct Take	\$1,941.50	\$1,408.44
RCPMB2-EU	8/16 Bus Control Panel with Direct Take	\$1,941.50	\$1,408.44
RCPMB2-UK	8/16 Bus Control Panel with Direct Take	\$1,941.50	\$1,408.44
RCPMSD	Multi-mode control panel. For multi-level, or multi-bus	\$2,772.00	\$2,010.92
RCPMSD-EU	Multi-mode control panel. For multi-level, or multi-bus	\$2,772.00	\$2,010.92
RCPMSD-UK	Multi-mode control panel. For multi-level, or multi-bus	\$2,772.00	\$2,010.92

PESA Part Number	Description	List Price	GSA Price
Specialized Control Panels			
RCPSTAT1	Under Monitor Single Status Display	\$841.50	\$610.46
RCPSTAT1-EU	Under Monitor Single Status Display	\$841.50	\$610.46
RCPSTAT1-UK	Under Monitor Single Status Display	\$841.50	\$610.46
RCPSTAT2	Under Monitor Dual Status Display	\$1,171.50	\$849.85
RCPSTAT2-EU	Under Monitor Dual Status Display	\$1,171.50	\$849.85
RCPSTAT2-UK	Under Monitor Dual Status Display	\$1,171.50	\$849.85
RCPGPI	Remote PB Panel, 16 GPI	\$1,644.50	\$1,192.99
RCPGPI-EU	Remote PB Panel, 16 GPI	\$1,644.50	\$1,192.99
RCPGPI-UK	Remote PB Panel, 16 GPI	\$1,644.50	\$1,192.99
RCPJS	Remote PB Panel, Joystick Override, up to 16 joysticks	\$1,644.50	\$1,192.99
RCPJS-EU	Remote PB Panel, Joystick Override, up to 16 joysticks	\$1,644.50	\$1,192.99
RCPJS-UK	Remote PB Panel, Joystick Override, up to 16 joysticks	\$1,644.50	\$1,192.99
RCP Control Panel Power Supplies			
81902302020	RCP Power Supply, 120V US Style	\$60.50	\$43.89
81902301220	RCP Power Supply, 220V UK Style	\$60.50	\$43.89
81902301230	RCP Power Supply, 220V Euro style	\$60.50	\$43.89
Vidblox Extenders provide options for video conversion, scaling, and extension of DVI, VGA, RGB, YPbPr. Transmitter modules allow computer signals to be converted to SMPTE formatted transports and Receiver modules allow SMPTE formatted signals to be converted to computer video outputs. Each module comes with a USB cable, software, and power supply.			
Vidblox - VGA/DVI to 3G-SDI (Transmitter)			
VIDBLOX-SL-3G-C	Media Extender/Scaler/Converter: DVI-I, VGA, RGB to HD/3G-SDI over coax. Supports single link DVI, Analog Stereo Audio. Supports resolutions up to 1920X1200. Selectable outputs for 480i/576i/ 720p/1080i/1080p. Control via USB or Ethernet port - Includes Catrax SW.	\$2,075.00	\$1,505.29
VIDBLOX-SL-3G-F	Media Extender/Scaler/Converter: DVI-I, VGA, RGB to HD/3G-SDI over coax or fiber optics (MM/SM). Supports single link DVI, Analog Stereo Audio. Selectable outputs for 480i/576i/ 720p/1080i/1080p. Control via USB or Ethernet port - Includes Catrax SW.	\$2,575.00	\$1,868.01
VIDBLOX-NE-3G-C	Media Extender/Scaler/Converter for DVI, VGA, RGB to 3G-SDI over coax cable. Supports single-link DVI, Analog Stereo Audio. Supports resolutions up to 1920X1200. Allows transport over 1080p/60 only. Control via USB port only. Catrax SW included	\$1,600.00	\$1,160.71
VIDBLOX-NE-3G-F	Media Extender/Scaler/Converter for DVI, VGA, to 3G-over coax or fiber optics (MM/SM). Supports single link DVI, Analog Stereo Audio. Supports resolutions up to 1920X1200. Allows transport over 1080p only. Control via USB port only. Catrax SW included.	\$2,200.00	\$1,595.97
Vidblox - 3G-SDI to VGA/DVI (Receiver)			
VIDBLOX-3G-SL-C	Media Extender/Scaler/Converter: SD/HD/3G-SDI to DVI-I, VGA, RGB over coax cable. Supports single-link DVI, Analog Stereo Audio. Supports resolutions up to 1920X1200. Accepts input signals from SMPTE ST-259, 292, and 424 compliant sources in 480i/576i/ 720p/1080i/1080p. Control via USB port or Ethernet port. Catrax SW included.	\$1,975.00	\$1,432.75
VIDBLOX-3G-SL-F	Media Extender/Scaler/Converter: SD/HD/3G-SDI to DVI-I, VGA, RGB over coax or fiber optics (MM/SM). Supports single link DVI, Analog Stereo Audio. Accepts input signals from SMPTE ST-259, 292, and 424 compliant sources in 480i/576i/ 720p/1080i/1080p. Control via USB port or Ethernet port. Catrax SW included.	\$2,575.00	\$1,868.01
VIDBLOX-3G-NE-C	Media Extender/Scaler/Converter for 3G-SDI to DVI, VGA, RGB over coax cable. Supports single-link DVI, Analog Stereo Audio. Supports resolutions up to 1920X1200. Allows transport over 1080p/60 only. Control via USB port. Catrax SW included.	\$1,600.00	\$1,160.71
VIDBLOX-3G-NE-F	Media Extender/Scaler/Converter for 3G-SDI to DVI, VGA, over coax or fiber optics (MM/SM). Supports single link DVI, Analog Stereo Audio. Supports resolutions up to 1920X1200. Allows transport over 1080p/60. Control via USB port. Catrax SW included.	\$2,200.00	\$1,595.97
Vidblox - 2K Video 2560X1600@60Hz to Dual Link 3G (Transmitter)			
VIDBLOX-DLTX-C	Media Extender/Scaler/Converter: Dual Link DVI-D (2560X1600) inputs. Output via two BNC cables at 3G each up to 80m. Analog Audio Input. Control via USB or Ethernet port. Catrax SW included.	\$2,100.00	\$1,523.43
VIDBLOX-DLTX-F	Media Extender/Scaler/Converter: Dual Link DVI-D (2560X1600) inputs. Output via two BNC cables or dual LC fiber cables at 3G each up to 80m over coax, 400m on MM fiber, 10Km over SM fiber. Analog Audio Input. Control via USB or Ethernet port. Catrax SW included.	\$2,700.00	\$1,958.69
Vidblox - Dual Channel 3G to DVI Dual Link 2560X1600@60Hz (Receiver)			
VIDBLOX-DLTX-C	Media Extender/Scaler/Converter: Dual Link 3G BNC inputs converts to display output as Dual Link DVI at 2560X1600@60Hz. Control via USB port or Ethernet port. Catrax SW included.	\$2,100.00	\$1,523.43
VIDBLOX-DLTX-F	Media Extender/Scaler/Converter: Dual Link 3G BNC inputs and/or dual Fiber inputs converts to display output as Dual Link DVI at 2560X1600@60Hz. Dual BNC extends up to 80m, MM fiber up to 400m, SM fiber up to 10Km. Control via USB port or Ethernet port. Catrax SW included.	\$2,700.00	\$1,958.69
Vidblox - Mounting Hardware and Access.			
DL-RKMT-1RU-1PS	Rack mount kit with one power supply. Holds up to 2 DL-DVI / VidBlox modules in a side by side configuration or 4 QuadBox modules. 1RU	\$540.00	\$391.74
DL-RKMT-1RU-2PS	Rack mount kit with two power supplies (redundant). Holds up to 2 DL-DVI / VidBlox modules in a side by side configuration or 4 QuadBox modules. 1RU	\$594.00	\$430.91
DL-RKMT-2RU-1PS	Rack mount kit with one power supply. Holds up to 4 DL-DVI / VidBlox modules in a side by side configuration. 2RU	\$570.00	\$413.50
DL-RKMT-2RU-2PS	Rack mount kit with two power supplies (redundant). Holds up to 4 DL-DVI / VidBlox modules in a side by side configuration. 2RU	\$630.00	\$457.03
81901704680	Power supply for QuadBOX and VidBLOX rack mount 95-240VAC 12VDC 30W Universal Cord. For rack mount units.	\$75.00	\$54.41
81901704690	Standalone power supply for Quadbox and Vidblox 95-240VAC 12VDC 30W Universal Plug. For standalone units.	\$60.00	\$43.53
81903476350	Mounting bracket for QFX Quadbox, Vidblox / DL-DVI under-the-table mounting bracket. Holds one TX or one RX module. Captive screws included with each bracket. No mounting hardware included.	\$50.00	\$36.27
81901704860	SFP 3G DUAL Fiber Optic Transmitter, Single Mode	\$350.00	\$253.90
81901704850	SFP 3G DUAL Fiber Optic Receiver, Single Mode	\$350.00	\$253.90
V5-DVI Modules (GEN-2)			
DVTX-V5A2C-PS	Cheetah V5-DVI Extender Transmitter for Coax with PS	\$1,800.00	\$1,305.79
DVTX-V5A2C	Cheetah V5-DVI Extender Transmitter for Coax without PS	\$1,750.00	\$1,269.52
DVRX-V5A2C-PS	Cheetah V5-DVI Extender Receiver for Coax with PS	\$1,800.00	\$1,305.79
DVRX-V5A2C	Cheetah V5-DVI Extender Receiver for Coax without PS	\$1,750.00	\$1,269.52
DVTX-V5A2F-PS	Cheetah V5-DVI Extender Transmitter for Optical Fiber with PS	\$2,200.00	\$1,595.97
DVTX-V5A2F	Cheetah V5-DVI Extender Transmitter for Optical Fiber without PS	\$2,150.00	\$1,559.70
DVRX-V5A2F-PS	Cheetah V5-DVI Extender Receiver for Optical Fiber, with PS	\$2,200.00	\$1,595.97
DVRX-V5A2F	Cheetah V5-DVI Extender Receiver for Optical Fiber without PS	\$2,150.00	\$1,559.70
RKMT-1RU-2PS	Rack Mount Kit, 1RU, with 2 PS for up to 4 V5-DVI modules	\$450.00	\$326.45
81903475720	V5-DVI Module "Under Table" mounting bracket for V5 Gen 2 Only	\$50.00	\$36.27
DVI-VGA-ADT	DVI to VGA Adapter	\$20.00	\$14.51
V5-PS	Cheetah V5-DVI PS	\$50.00	\$36.27
81906529860	Cheetah V5-DVI Manual	N/C	N/C
81906533030	GEN2 V5 POWER SUPPLY 12VDC 108 W OUTPUT W. LOCKING 4 PIN PLUG, IEC INLET, 95-240VAC	\$75.00	\$54.41

PESA Part Number	Description	List Price	GSA Price
PESA XSTREAM			
IP Streaming Encoder/Decoder Products			
C58-002	PESA XSTREAM C58 Multi-channel IP Streaming Device 1080 version <small>NOTE: Part # change and warranty changed to 1 year.</small>	\$11,995.00	\$8,701.66
XSTREAM-C22	PESA XSTREAM C22 Dual Channel Encoder/Decoder <small>NOTE: Part # change and warranty changed to 1 year.</small>	\$3,995.00	\$2,898.14
PESA XSTREAM System Options and Accessories			
81902806970	PESA PRO Cable Assembly: Audio XLR to DB25M, 3 meters	\$85.00	\$61.66
81902806910	PESA PRO Cable Assembly: Ethernet Cable, 1 meter	\$17.00	\$12.33
81902807090	PESA PRO Cable Assembly: HDMI Cable, 3 m	\$20.00	\$14.51
81902807100	PESA PRO Cable Assembly: USB Type A to Type B, 3 meters	\$19.00	\$13.78
PRO-HMDI2HD-C	PESA PRO Extender: Converts signals from HDMI port to SDI outputs. Includes power supply and 1 each HDMI cable	\$595.00	\$431.64
C22-RKMT-1RU-1PS	PESA XSTREAM C22 Rack Mount 1 RU, 1 PS with Pwr Dist & Fan Control	\$590.00	\$428.01
C22-RKMT-1RU-2PS	PESA XSTREAM C22 Rack Mount 1 RU, 2 PS with Pwr Dist & Fan Control	\$644.00	\$467.18
PESA PRO - A/V Products			
HDMI Extenders - Coax			
PRO-HDMI-BNC	PESA PRO EXTENDER: HDMI over single coax extender. Package includes TX and RX modules and power supplies, Connect HDMI devices over coaxial cable up to 60m. HDCP compliant	\$1,695.00	\$1,229.62
PRO-HD2HDMI	PESA PRO EXTENDER: SD/HD/3G converted to HDMI for resolutions up to 1080p60. One looping SD/HD/3G output for monitor. Includes power supply.	\$556.00	\$403.35
PRO-HDMI2HD	PESA PRO EXTENDER: HDMI to SD/HD/3G. Allows for 3 SD/HD/3G Outputs up to 1080p60. Includes power supply.	\$531.00	\$385.21
HDMI and DVI Extenders - CATx			
PRO-HDMI-CAT	PESA PRO EXTENDER: Allows the transport of HDMI over CATx cable up to 1920X1080p60. Kit includes a TX and RX module and power supplies.	\$410.00	\$297.43
PRO-HDMI-CAT-PLG	PESA PRO EXTENDER: HDMI 1.3 for CAT-5 with plug-in Ext. Includes TX unit and direct plug HDMI/CAT-5 modules, power supply. Connects HDMI over one CAT-5 cable.	\$390.00	\$282.92
PRO-DVI-CAT	PESA PRO EXTENDER: DVI over CATx cable. Includes. TX style unit and direct plug DVI for CATx cable. Includes power supply for TX module.	\$299.00	\$216.91
PRO-DVI-CAT-PLG	EXTENDER: DVI over CATx direct plug. TX and RX direct plug extenders for DVI. No power supply required. Uses power source from connected devices	\$79.00	\$57.31
Matrix Switchers			
PRO-8X8-HDMI-CAT	PESA PRO 8X8 HDMI Matrix Switcher, 1RU, RS-232 Ctrl, Extenders and SW included	\$4,999.00	\$3,626.48
PRO-8X8-DVI	PESA PRO 8X8, DVI Matrix Switcher, 1RU, RS-232 Ctrl, SW included	\$3,999.00	\$2,901.04
PRO-3GSDI-1616-C	PESA PRO 16X16 3G-SDI Routing Switcher, 1RU, includes GUI control SW	\$5,995.00	\$4,349.02
PRO-3GSDI-1616-PB	PESA PRO 16X16 3G-SDI Routing Switcher, 1RU, Front PB panel, GUI SW	\$6,395.00	\$4,639.19
Specialized Products: Test pattern Generators; Fiber Media Extenders			
PRO-3GPG	PESA PRO SIGNAL TESTER: 3G/HD-SDI pattern generator with multi-format (HD/SD) and multi-pattern support. Offers still and moving video test patterns, Closed Caption (CC) (EIA-608) and VANC (SMPT-334M).	\$1,800.00	\$1,305.79
PRO-QV4VP	PESA PRO SDI and Hdccv Quadview Video Processor - accepts 4 inputs of composite or SDI up to 3G-SDI (1080p60) and displays a quad-split image over DVI or VGA. Includes two looping outputs for each input, RS-232 control, software included.	\$3,895.00	\$2,825.59
SABTH-30TX-PS	PESA PRO FIBER MEDIA EXTENDER: Sabretooth 3G-SDI TX, BNC input to LC fiber output, includes power supply	\$899.50	\$652.53
SABTH-30RX-PS	PESA PRO FIBER MEDIA EXTENDER: Sabretooth 3G-SDI RX, LC fiber input to BNC output, includes power supply	\$899.50	\$652.53
SABTH-30TXRX-PS	PESA PRO FIBER MEDIA EXTENDER: Sabretooth 30 TX-PS and Sabretooth RX-PS media converter set with power supplies	\$1,799.00	\$1,305.07
SABTH-PS	PESA PRO Sabretooth Power Supply	\$75.00	\$54.41
Engineering Support - NOT UNDER CONTRACT			
PART NUMBER	DESCRIPTION		
NRE	Non-recurring Engineering for Customization of Software and/or Hardware. Specific product effort to be defined in Purchase Order.	\$150.00/hour	
Commissioning & Training - NOT UNDER CONTRACT (North America Only)			
PART NUMBER	DESCRIPTION		
OSC DAY 1	On Site Commissioning - Day 1 (per 8 hour day). PESA Customer Service Field Technician will deploy to the customer location to perform on-site commissioning and training of the technical staff undergoing video distribution system installation/upgrade. Commissioning work includes verification that the PESA hardware was installed in the equipment racks properly, all cable connections were properly made by the third-party contractor, appropriate power connections were made, and that all equipment was in operating order. Additionally, the control software was installed and verified prior to work sign-off by the customer's representative. See Notes 1 just under.	\$3,500.00	
OSC ADDL DAYS	On Site Commissioning - Day 2 and more (per 8 hour day)	\$1,500.00	
OST DAY 1	On Site Training - Day 1 (per 8 hour day). PESA Customer Service Field Technician or Sales Support Engineer will deploy to the customer location to perform on-site training of the technical staff in aspects of router control/configuration/video distribution system installation/upgrade, and non-factory maintenance as determined by the statement of work in the purchase order. See Note 1 just under.	\$3,500.00	
OST ADDL DAYS	On Site Training - Day 2 and more (per 8 hour day)	\$1,500.00	
RWT	Remote/Web-based training: Consists of training on customer defined topics pertaining to configuration/operation of hardware and software.	\$150.00/hour	
RMA	Equipment Repair	\$250.00/hour with a	
DG	System pre-configuration	N/C	
Note 1: Travel for Commissioning and Training is based upon a minimum of a 3 week advance notice. Pricing is for North America travel only.			
Standard Warranty - See Tab A for Standard Warranty information			
Extended Warranty - See Tab A for Extended Warranty information and availability			
PESA US Only 1-800-323-7372 www.pesa.com			

Tab A - PESA Warranty Information

Standard Warranty - UNDER CONTRACT

PESA warrants its factory new equipment to be free of defects in materials and workmanship for a period of three (3) years from date of shipment. PESA XSTREAM and PESA PRO series products have a one (1) year standard warranty; provisions for Extended Warranty can be discussed and priced on a case by case basis. CATTRAX and CATTRAX-J software are included in the three (3) year warranty period; CATTRAX-WEB software carries a standard one (1) year warranty. All software is also covered by a separate software license agreement (see below). During the standard warranty period, defective parts will be repaired or replaced at no charge for the parts. Labor to repair or replace defective parts will be performed at no charge during the warranty period at the PESA factory only. If possible, retain the original packing material for use in the unlikely event that your equipment must be returned to the PESA factory. When shipping your equipment, the shipping charges must be prepaid. The repaired unit will be returned to you freight prepaid.

This warranty does not include shipping damage, or damage caused by abuse, neglect, tampering by unauthorized personnel, damage inadvertently caused by the user, preventative maintenance, or any equipment or part thereof whose serial number has been removed or defaced. Tampering with factory seals will result in a voiding of the warranty. This warranty covers only products manufactured by PESA and the components used in their manufacture. The warranty on assembled products sold by PESA but manufactured by others shall be that of the original manufacturer.

The sole responsibility of PESA shall be to replace or repair in accordance with the warranty. Sellers only obligation shall be to replace such quantity for the product proved to be defective. PESA products are newly manufactured by PESA from new and serviceable parts which are equivalent to new in performance. The foregoing is in lieu of all warranties, expressed or implied, including the warranties of merchantability of fitness of purpose. Neither the seller nor the manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising out of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and the user assumes all risk and liability whatsoever in connection therewith. This warranty is effective only at the PESA factory in Huntsville, Alabama, USA.

GRANT OF SOFTWARE LICENSE AND RESTRICTIONS. PESA grants to the user of its routing switcher and associated products a non-exclusive license for its software included in its operational controllers associated with all PESA products procured. The software may be on optical media (disks) or may reside in non-volatile memory. The user owns the physical media on which the software is recorded or fixed, but PESA retains title and ownership of the software. PESA software and associated written materials are protected by US copyright laws and International treaty provisions. Unauthorized copying of the software including software that has been modified or merged with other software or of any of the written material is forbidden. One copy of the software is permitted for working purposes and for archival storage of the original software. PESA software may not be rented, leased or distributed without prior written consent of PESA.

The user may transfer the software and software rights under this agreement on a permanent basis provided the Software License Agreement, the software, and all accompanying materials are transferred, the user retains no copies, and the recipient agrees to the terms of this agreement.

The user may not disassemble, reverse engineer, modify, adapt, translate or create derivative works without prior consent of PESA.

WARRANTY DISCLAIMER. Neither the seller nor the manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising out of or the inability to use the product. Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection (to include appropriate electrical power service) therewith.

INSTALLATION NOTE: The Buyer is responsible for ensuring that the appropriate power source/electrical supply (wattage/voltage) for the PESA products is installed. Upon request, PESA will advise the Buyer as to the electrical power (wattage/voltage) required to service the equipment. PESA assumes no responsibility for the improper installation of electrical supply.

CATTRAX-WEB SOFTWARE MAINTENANCE - ANNUAL FEE - UNDER CONTRACT

Cattrax-Web software maintenance (subject to annual maintenance fee) includes the publishing of bug fixes via patches and updates/upgrades in function and technology to maintain operability and enhanced usability of the software and firmware. It will also include other no charge support that is included in the purchase price of the product in the commercial marketplace. No charge support includes items such as: system configuration set-up via telephone and/or webinar, user blogs, discussion forums, on-line help libraries and FAQs (Frequently Asked Questions), hosted chat rooms, and limited telephone, email and/or web-based general technical support for user's self diagnostics. CATTRAX-WEB-##-MAINT-1 pricing applies to purchases completed at original POS or during an existing covered period; CATTRAX-WEB-##-MAINT-2 pricing applies to purchases completed not at the original POS.

Software maintenance does not include creation, design, implementation, and/or integration of customized changes to software/firmware that solve one or more customer unique requirements; items of this type are subject to a separate NRE charge to the customer.

PESA reserves the right to change without prior notification the published fee charged for an Annual Software Maintenance to reflect then current economic circumstances. The End User is encouraged to contact PESA for the current fee structure in use.

Annual Software Maintenance Fee should be paid in a timely manner to ensure uninterrupted support. It may be paid by credit card.

Extended Warranty - NOT UNDER GSA CONTRACT

Definition: An extended Warranty document is a legal contract between PESA Switching Systems, Inc. (hereafter PESA) and the End User whereas PESA, for a fee, will extend its standard three (3) year warranty (base warranty) offered at point of sale, in increments of one (1) year to a maximum of ten (10) years, original three (3) years plus a maximum extension of seven (7) years. **The three (3) year base warranty and any proposed Extended Warranty apply only to PESA manufactured equipment, CATTRAX and CATTRAX-J software; CATTRAX-WEB software has a one (1) year base warranty with annual maintenance agreements available (see below). PESA PRO series products have a one (1) year standard warranty; provisions for Extended Warranty can be discussed and priced on a case by case basis.**

PESA Control Software (CATTRAX, CATTRAX-J, firmware) maintenance includes the publishing of bug fixes via patches and updates/upgrades in function and technology to maintain operability and enhanced usability of the software and firmware. It will also include other no charge support that is included in the purchase price of the product in the commercial marketplace. No charge support includes items such as: system configuration set-up via telephone and/or webinar, user blogs, discussion forums, on-line help libraries and FAQs (Frequently Asked Questions), hosted chat rooms, and limited telephone, email and/or web-based general technical support for user's self diagnostics.

Software maintenance does not include creation, design, impementation, and/or integration of customized changes to software/firmware that solve one or more customer unique requirements; items of this type are subject to a seperate NRE charge to the customer.

PESA reserves the right to change without prior notification the published fee charged for an extended warranty to reflect then current economic circumstances. The End User is encouraged to contact PESA for the current fee structure in use.

Please note that this is a warranty extension and is not a service level agreement (SLA) or service contract. This means that under the terms of an Extended Warranty On-Site Service/Field Service Visits, if required, will be priced separately.

EXTENDED WARRANTIES ARE AVAILABLE BUT ARE NOT UNDER GSA CONTRACT

Tab B - PESA Authorized Dealers

Customer orders placed via GSA Advantage will be placed directly with the Contract Holder . Our authorized dealers (system integrators) do not stock PESA hardware however they are authorized to specify PESA hardware in their responses to formal requests for quotes.

A current list of dealers is available upon request. Dealers change from time to time and the list is somewhat dynamic.

TAB C - U.S. Department of Defense Unified Capabilities (UC) Approved Products List

Mission critical situations in defense, homeland security, and first response demand high-quality distribution and switching of HD video. Military Command Centers rely on extremely detailed imagery for C4ISR and to execute mission command.

PESA's Video Distribution System (VDS) and several products in its Cheetah large-scale router and PESA PRO signal processing lines are certified by the US Department of Defense. This certification ensures that all Department of Defense commands and activities can take advantage of the quality and interoperability between disparate video chains that PESA's VDS systems provide.

The products underwent rigorous testing by Defense Information Systems Agency's (DISA) Joint Interoperability Test Command (JITC) and received Interoperability (IO) Certification and Information Assurance (IA) accreditation from JITC - the organizational element responsible for certifying joint and combined interoperability of all Department of Defense (DoD) information technology and national security systems. JITC evaluates technologies that provide warfighters with high-tech advantages in both peacetime and war. The command uses an extensive array of software and hardware based testing procedures when evaluating products that can serve an important role in the military's technological arsenal - whether directly on the battlefield or in a critical supporting role. JITC certification also ensures that a technological device or system meets the full standards to operate in a Unified Capabilities environment. The JITC standards of evaluation exceed those of Common Criteria.

PESA VDS Equipment Similarity Table

This table provides DoD Component users/installers with a cross-reference of equipment that is deemed similar in technology and application as the equipment that was certified by JITC for IA and IO under UCR 2013 and UCR 2008. Note: The components underlined were tested at JITC. The components not underlined were not tested; however, they use the same software and similar hardware. JITC analysis concluded that they are identical for interoperability certification purposes and they are also covered under the certification. Contact PESA Sales for the latest listing of JITC APL equipment.

PESA Cheetah Release F.2 (See notes 1 and 2)	
Component	Hardware/Software Release
Appl. Workstation	Windows 7 Pro SP1 or Windows SP Pro with VDS
Client	Canon v1.0.1 (See note 3)
Mainframe Assembly (includes power supply and Matrix Frame Controller) (See note F.1)	
4425A-01	1105-01, 1105-02, 1105-03, 1105-04, 1105-05, 1105-06, 1105-07, 1105-08, 1105-09, 1105-10, 1105-11, 1105-12, 1105-13, 1105-14, 1105-15, 1105-16, 1105-17, 1105-18, 1105-19, 1105-20, 1105-21, 1105-22, 1105-23, 1105-24, 1105-25, 1105-26, 1105-27, 1105-28, 1105-29, 1105-30, 1105-31, 1105-32, 1105-33, 1105-34, 1105-35, 1105-36, 1105-37, 1105-38, 1105-39, 1105-40, 1105-41, 1105-42, 1105-43, 1105-44, 1105-45, 1105-46, 1105-47, 1105-48, 1105-49, 1105-50, 1105-51, 1105-52, 1105-53, 1105-54, 1105-55, 1105-56, 1105-57, 1105-58, 1105-59, 1105-60, 1105-61, 1105-62, 1105-63, 1105-64, 1105-65, 1105-66, 1105-67, 1105-68, 1105-69, 1105-70, 1105-71, 1105-72, 1105-73, 1105-74, 1105-75, 1105-76, 1105-77, 1105-78, 1105-79, 1105-80, 1105-81, 1105-82, 1105-83, 1105-84, 1105-85, 1105-86, 1105-87, 1105-88, 1105-89, 1105-90, 1105-91, 1105-92, 1105-93, 1105-94, 1105-95, 1105-96, 1105-97, 1105-98, 1105-99, 1105-100
Matrix Card	
CM-1012A-01	CM-1012A-01 (See note 4)
Input Buffer Card (See note 4)	
CM-1012A-01	CM-1012A-01 (See note 4)
CM-1012A-02	CM-1012A-02 (See note 4)
CM-1012A-03	CM-1012A-03 (See note 4)
CM-1012A-04	CM-1012A-04 (See note 4)
CM-1012A-05	CM-1012A-05 (See note 4)
CM-1012A-06	CM-1012A-06 (See note 4)
CM-1012A-07	CM-1012A-07 (See note 4)
CM-1012A-08	CM-1012A-08 (See note 4)
CM-1012A-09	CM-1012A-09 (See note 4)
CM-1012A-10	CM-1012A-10 (See note 4)
CM-1012A-11	CM-1012A-11 (See note 4)
CM-1012A-12	CM-1012A-12 (See note 4)
CM-1012A-13	CM-1012A-13 (See note 4)
CM-1012A-14	CM-1012A-14 (See note 4)
CM-1012A-15	CM-1012A-15 (See note 4)
CM-1012A-16	CM-1012A-16 (See note 4)
CM-1012A-17	CM-1012A-17 (See note 4)
CM-1012A-18	CM-1012A-18 (See note 4)
CM-1012A-19	CM-1012A-19 (See note 4)
CM-1012A-20	CM-1012A-20 (See note 4)
CM-1012A-21	CM-1012A-21 (See note 4)
CM-1012A-22	CM-1012A-22 (See note 4)
CM-1012A-23	CM-1012A-23 (See note 4)
CM-1012A-24	CM-1012A-24 (See note 4)
CM-1012A-25	CM-1012A-25 (See note 4)
CM-1012A-26	CM-1012A-26 (See note 4)
CM-1012A-27	CM-1012A-27 (See note 4)
CM-1012A-28	CM-1012A-28 (See note 4)
CM-1012A-29	CM-1012A-29 (See note 4)
CM-1012A-30	CM-1012A-30 (See note 4)
CM-1012A-31	CM-1012A-31 (See note 4)
CM-1012A-32	CM-1012A-32 (See note 4)
CM-1012A-33	CM-1012A-33 (See note 4)
CM-1012A-34	CM-1012A-34 (See note 4)
CM-1012A-35	CM-1012A-35 (See note 4)
CM-1012A-36	CM-1012A-36 (See note 4)
CM-1012A-37	CM-1012A-37 (See note 4)
CM-1012A-38	CM-1012A-38 (See note 4)
CM-1012A-39	CM-1012A-39 (See note 4)
CM-1012A-40	CM-1012A-40 (See note 4)
CM-1012A-41	CM-1012A-41 (See note 4)
CM-1012A-42	CM-1012A-42 (See note 4)
CM-1012A-43	CM-1012A-43 (See note 4)
CM-1012A-44	CM-1012A-44 (See note 4)
CM-1012A-45	CM-1012A-45 (See note 4)
CM-1012A-46	CM-1012A-46 (See note 4)
CM-1012A-47	CM-1012A-47 (See note 4)
CM-1012A-48	CM-1012A-48 (See note 4)
CM-1012A-49	CM-1012A-49 (See note 4)
CM-1012A-50	CM-1012A-50 (See note 4)
CM-1012A-51	CM-1012A-51 (See note 4)
CM-1012A-52	CM-1012A-52 (See note 4)
CM-1012A-53	CM-1012A-53 (See note 4)
CM-1012A-54	CM-1012A-54 (See note 4)
CM-1012A-55	CM-1012A-55 (See note 4)
CM-1012A-56	CM-1012A-56 (See note 4)
CM-1012A-57	CM-1012A-57 (See note 4)
CM-1012A-58	CM-1012A-58 (See note 4)
CM-1012A-59	CM-1012A-59 (See note 4)
CM-1012A-60	CM-1012A-60 (See note 4)
CM-1012A-61	CM-1012A-61 (See note 4)
CM-1012A-62	CM-1012A-62 (See note 4)
CM-1012A-63	CM-1012A-63 (See note 4)
CM-1012A-64	CM-1012A-64 (See note 4)
CM-1012A-65	CM-1012A-65 (See note 4)
CM-1012A-66	CM-1012A-66 (See note 4)
CM-1012A-67	CM-1012A-67 (See note 4)
CM-1012A-68	CM-1012A-68 (See note 4)
CM-1012A-69	CM-1012A-69 (See note 4)
CM-1012A-70	CM-1012A-70 (See note 4)
CM-1012A-71	CM-1012A-71 (See note 4)
CM-1012A-72	CM-1012A-72 (See note 4)
CM-1012A-73	CM-1012A-73 (See note 4)
CM-1012A-74	CM-1012A-74 (See note 4)
CM-1012A-75	CM-1012A-75 (See note 4)
CM-1012A-76	CM-1012A-76 (See note 4)
CM-1012A-77	CM-1012A-77 (See note 4)
CM-1012A-78	CM-1012A-78 (See note 4)
CM-1012A-79	CM-1012A-79 (See note 4)
CM-1012A-80	CM-1012A-80 (See note 4)
CM-1012A-81	CM-1012A-81 (See note 4)
CM-1012A-82	CM-1012A-82 (See note 4)
CM-1012A-83	CM-1012A-83 (See note 4)
CM-1012A-84	CM-1012A-84 (See note 4)
CM-1012A-85	CM-1012A-85 (See note 4)
CM-1012A-86	CM-1012A-86 (See note 4)
CM-1012A-87	CM-1012A-87 (See note 4)
CM-1012A-88	CM-1012A-88 (See note 4)
CM-1012A-89	CM-1012A-89 (See note 4)
CM-1012A-90	CM-1012A-90 (See note 4)
CM-1012A-91	CM-1012A-91 (See note 4)
CM-1012A-92	CM-1012A-92 (See note 4)
CM-1012A-93	CM-1012A-93 (See note 4)
CM-1012A-94	CM-1012A-94 (See note 4)
CM-1012A-95	CM-1012A-95 (See note 4)
CM-1012A-96	CM-1012A-96 (See note 4)
CM-1012A-97	CM-1012A-97 (See note 4)
CM-1012A-98	CM-1012A-98 (See note 4)
CM-1012A-99	CM-1012A-99 (See note 4)
CM-1012A-100	CM-1012A-100 (See note 4)
System Controller Card	
CM-1012A-101	CM-1012A-101 (See note 4)
Other IO and MP Conversion Modules	
CM-1012A-102	CM-1012A-102 (See note 4)
CM-1012A-103	CM-1012A-103 (See note 4)
CM-1012A-104	CM-1012A-104 (See note 4)
CM-1012A-105	CM-1012A-105 (See note 4)
CM-1012A-106	CM-1012A-106 (See note 4)
CM-1012A-107	CM-1012A-107 (See note 4)
CM-1012A-108	CM-1012A-108 (See note 4)
CM-1012A-109	CM-1012A-109 (See note 4)
CM-1012A-110	CM-1012A-110 (See note 4)
CM-1012A-111	CM-1012A-111 (See note 4)
CM-1012A-112	CM-1012A-112 (See note 4)
CM-1012A-113	CM-1012A-113 (See note 4)
CM-1012A-114	CM-1012A-114 (See note 4)
CM-1012A-115	CM-1012A-115 (See note 4)
CM-1012A-116	CM-1012A-116 (See note 4)
CM-1012A-117	CM-1012A-117 (See note 4)
CM-1012A-118	CM-1012A-118 (See note 4)
CM-1012A-119	CM-1012A-119 (See note 4)
CM-1012A-120	CM-1012A-120 (See note 4)
CM-1012A-121	CM-1012A-121 (See note 4)
CM-1012A-122	CM-1012A-122 (See note 4)
CM-1012A-123	CM-1012A-123 (See note 4)
CM-1012A-124	CM-1012A-124 (See note 4)
CM-1012A-125	CM-1012A-125 (See note 4)
CM-1012A-126	CM-1012A-126 (See note 4)
CM-1012A-127	CM-1012A-127 (See note 4)
CM-1012A-128	CM-1012A-128 (See note 4)
CM-1012A-129	CM-1012A-129 (See note 4)
CM-1012A-130	CM-1012A-130 (See note 4)
CM-1012A-131	CM-1012A-131 (See note 4)
CM-1012A-132	CM-1012A-132 (See note 4)
CM-1012A-133	CM-1012A-133 (See note 4)
CM-1012A-134	CM-1012A-134 (See note 4)
CM-1012A-135	CM-1012A-135 (See note 4)
CM-1012A-136	CM-1012A-136 (See note 4)
CM-1012A-137	CM-1012A-137 (See note 4)
CM-1012A-138	CM-1012A-138 (See note 4)
CM-1012A-139	CM-1012A-139 (See note 4)
CM-1012A-140	CM-1012A-140 (See note 4)
CM-1012A-141	CM-1012A-141 (See note 4)
CM-1012A-142	CM-1012A-142 (See note 4)
CM-1012A-143	CM-1012A-143 (See note 4)
CM-1012A-144	CM-1012A-144 (See note 4)
CM-1012A-145	CM-1012A-145 (See note 4)
CM-1012A-146	CM-1012A-146 (See note 4)
CM-1012A-147	CM-1012A-147 (See note 4)
CM-1012A-148	CM-1012A-148 (See note 4)
CM-1012A-149	CM-1012A-149 (See note 4)
CM-1012A-150	CM-1012A-150 (See note 4)
CM-1012A-151	CM-1012A-151 (See note 4)
CM-1012A-152	CM-1012A-152 (See note 4)
CM-1012A-153	CM-1012A-153 (See note 4)
CM-1012A-154	CM-1012A-154 (See note 4)
CM-1012A-155	CM-1012A-155 (See note 4)
CM-1012A-156	CM-1012A-156 (See note 4)
CM-1012A-157	CM-1012A-157 (See note 4)
CM-1012A-158	CM-1012A-158 (See note 4)
CM-1012A-159	CM-1012A-159 (See note 4)
CM-1012A-160	CM-1012A-160 (See note 4)
CM-1012A-161	CM-1012A-161 (See note 4)
CM-1012A-162	CM-1012A-162 (See note 4)
CM-1012A-163	CM-1012A-163 (See note 4)
CM-1012A-164	CM-1012A-164 (See note 4)
CM-1012A-165	CM-1012A-165 (See note 4)
CM-1012A-166	CM-1012A-166 (See note 4)
CM-1012A-167	CM-1012A-167 (See note 4)
CM-1012A-168	CM-1012A-168 (See note 4)
CM-1012A-169	CM-1012A-169 (See note 4)
CM-1012A-170	CM-1012A-170 (See note 4)
CM-1012A-171	CM-1012A-171 (See note 4)
CM-1012A-172	CM-1012A-172 (See note 4)
CM-1012A-173	CM-1012A-173 (See note 4)
CM-1012A-174	CM-1012A-174 (See note 4)
CM-1012A-175	CM-1012A-175 (See note 4)
CM-1012A-176	CM-1012A-176 (See note 4)
CM-1012A-177	CM-1012A-177 (See note 4)
CM-1012A-178	CM-1012A-178 (See note 4)
CM-1012A-179	CM-1012A-179 (See note 4)
CM-1012A-180	CM-1012A-180 (See note 4)
CM-1012A-181	CM-1012A-181 (See note 4)
CM-1012A-182	CM-1012A-182 (See note 4)
CM-1012A-183	CM-1012A-183 (See note 4)
CM-1012A-184	CM-1012A-184 (See note 4)
CM-1012A-185	CM-1012A-185 (See note 4)
CM-1012A-186	CM-1012A-186 (See note 4)
CM-1012A-187	CM-1012A-187 (See note 4)
CM-1012A-188	CM-1012A-188 (See note 4)
CM-1012A-189	CM-1012A-189 (See note 4)
CM-1012A-190	CM-1012A-190 (See note 4)
CM-1012A-191	CM-1012A-191 (See note 4)
CM-1012A-192	CM-1012A-192 (See note 4)
CM-1012A-193	CM-1012A-193 (See note 4)
CM-1012A-194	CM-1012A-194 (See note 4)
CM-1012A-195	CM-1012A-195 (See note 4)
CM-1012A-196	CM-1012A-196 (See note 4)
CM-1012A-197	CM-1012A-197 (See note 4)
CM-1012A-198	CM-1012A-198 (See note 4)
CM-1012A-199	CM-1012A-199 (See note 4)
CM-1012A-200	CM-1012A-200 (See note 4)
System Controller Card	
CM-1012A-201	CM-1012A-201 (See note 4)
Other IO and MP Conversion Modules	
CM-1012A-202	CM-1012A-202 (See note 4)
CM-1012A-203	CM-1012A-203 (See note 4)
CM-1012A-204	CM-1012A-204 (See note 4)
CM-1012A-205	CM-1012A-205 (See note 4)
CM-1012A-206	CM-1012A-206 (See note 4)
CM-1012A-207	CM-1012A-207 (See note 4)
CM-1012A-208	CM-1012A-208 (See note 4)
CM-1012A-209	CM-1012A-209 (See note 4)
CM-1012A-210	CM-1012A-210 (See note 4)
CM-1012A-211	CM-1012A-211 (See note 4)
CM-1012A-212	CM-1012A-212 (See note 4)
CM-1012A-213	CM-1012A-213 (See note 4)
CM-1012A-214	CM-1012A-214 (See note 4)
CM-1012A-215	CM-1012A-215 (See note 4)
CM-1012A-216	CM-1012A-216 (See note 4)
CM-1012A-217	CM-1012A-217 (See note 4)
CM-1012A-218	CM-1012A-218 (See note 4)
CM-1012A-219	CM-1012A-219 (See note 4)
CM-1012A-220	CM-1012A-220 (See note 4)
CM-1012A-221	CM-1012A-221 (See note 4)
CM-1012A-222	CM-1012A-222 (See note 4)
CM-1012A-223	CM-1012A-223 (See note 4)
CM-1012A-224	CM-1012A-224 (See note 4)
CM-1012A-225	CM-1012A-225 (See note 4)
CM-1012A-226	CM-1012A-226 (See note 4)
CM-1012A-227	CM-1012A-227 (See note 4)
CM-1012A-228	CM-1012A-228 (See note 4)
CM-1012A-229	