



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER:  
**EBA250**

PAGE:  
**2**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**SHELLY MURRAY  
 304-558-8801**

VENDOR PROPERTY

RFQ COPY  
 TYPE NAME/ADDRESS HERE

SHIP TO

Washington Professional Center  
 11012 Glendora Avenue  
 Morgantown, WV 26505

**WNPB-TV  
 191 SCOTT AVENUE  
 MORGANTOWN, WV  
 26505 293-6511**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/02/2010				

BID OPENING DATE: **03/31/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
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**BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.**

**THE MODEL/BRAND/SPECIFICATIONS NAMED HEREIN ESTABLISH THE ACCEPTABLE LEVEL OF QUALITY ONLY AND ARE NOT INTENDED TO REFLECT A PREFERENCE OR FAVOR ANY PARTICULAR BRAND OR VENDOR. VENDORS WHO ARE BIDDING ALTERNATES SHOULD SO STATE AND INCLUDE PERTINENT LITERATURE AND SPECIFICATIONS. FAILURE TO PROVIDE INFORMATION FOR ANY ALTERNATES MAY BE GROUNDS FOR REJECTION OF THE BID. THE STATE RESERVES THE RIGHT TO WAIVE MINOR IRREGULARITIES IN BIDS OR SPECIFICATIONS IN ACCORDANCE WITH SECTION 148-1-4(F) OF THE WEST VIRGINIA LEGISLATIVE RULES AND REGULATIONS.**

**NOTICE**

**A SIGNED BID MUST BE SUBMITTED TO:**

**DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 BUILDING 15  
 2019 WASHINGTON STREET, EAST  
 CHARLESTON, WV 25305-0130**

**THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:**

**SEALED BID**

RECEIVED

2010 MAR 29 AM 9:25

WV PURCHASING DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: (301) 942-6800 DATE: 3/25/10

TITLE: *Videos Sales* FEIN: 52-1482558 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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ADDRESS CORRESPONDENCE TO ATTENTION OF  
**SHELLY MURRAY**  
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RFQ COPY  
 TYPE NAME/ADDRESS HERE

VENDOR

VENDOR

**WNPB-TV**  
**191 SCOTT AVENUE**  
**MORGANTOWN, WV**  
**26505 293-6511**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/02/2010				

BID OPENING DATE: **03/31/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
------	----------	-----	----------	-------------	------------	--------

BUYER: **SHELLY MURRAY**  
 RFQ. NO.: **EBA250**  
 BID OPENING DATE: **03/31/2010**  
 BID OPENING TIME: **1:30 PM**

PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:

**(301) 946-3241 (fax)**

CONTACT PERSON (PLEASE PRINT CLEARLY):

\*\*\*\*\* THIS IS THE END OF RFQ EBA250 \*\*\*\*\* TOTAL:

**\$ 30,592.00**

SIGNATURE <i>[Signature]</i>		SEE REVERSE SIDE FOR TERMS AND CONDITIONS		TELEPHONE <b>(301) 942-6800</b>	DATE <b>3/25/10</b>
TITLE <b>Video Sales</b>	FEIN <b>52-1482558</b>	ADDRESS CHANGES TO BE NOTED ABOVE			

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

### EBA250 HD-SDI Digital Video Routing Switchers

The West Virginia Educational Broadcasting Authority (WVEBA) is conducting a Request for Quotations for a total of two HD-SDI (wideband digital multi-rate) Digital Video Routing Switchers with redundant power supplies to integrate into existing Harris/Leitch Integrator Routing Systems already in operation at 2 separate production studios at WNPB-TV, Morgantown, WV. The 32x32 HD-SDI (non reclocking, data rates up to and including 3Gb/s, BNC I/O connectors) routing switchers must seamlessly install into existing Harris/Leitch Routing Controller fabrics with no additional electrical or software conversion or interfacing.

The HD Routing switchers do not connect to the State of West Virginia networking systems, they are for the internal plant use at WNPB-TV and West Virginia Public Broadcasting.

Specifications must be equal to or exceed items listed below

#### I. Equipment

##### Qty. Description

- 2 32x32 Harris Panacea HD-SDI (wideband up to 3Gb/s) Router tub, mounts into a standard 19" rack, BNC input/output connectors, must join in existing Harris/Leitch Router Controller Fabric, Harris #P32x32HSI or equal

3/31

#### FRAME AND SYSTEMS SPECIFICATIONS



##### Electrical

##### Input:

1RU	1RU portable desktop power supply (rear mount AC power supply module available as an option)
2RU	2RU portable desktop power supply (rear mount AC power supply module available as an option)
Desktop Power Supply	Universal input
1RU	47-63 Hz, 70 W AC: 100-240 VAC DC: -36 to -72 VDC
2RU	47-63 Hz, 130 W AC: 100 - 240 VAC DC: -36 to -72 VDC

##### Output:

Total Power	15 VDC
1RU	70 W
2RU	105 W

Performance Temperature	41° F – 104° F (5° – 40° C)
Operating Temperature	32° F – 122° F (0° – 50° C)

### Mechanical

Size	19 in x 5.25 in x 1.75 in.
1RU	(48.3 cm x 13.3 cm x 44 cm)
2RU	19 in. x 5.25 in. x 3.5 in.
	(48.3 cm x 13.3 cm x 88 cm)

### Weight (fully loaded):

1RU	5 lb (2.3 kg)
2RU	7 lb (3.2 kg)

### Indicators:

Standard Resource Module	Power/alarm LED
Enhanced Resource Module	Power/alarm LED
	Data LED
Cooling (only in HD and analog audio)	Forced air/convection

### Input/Output Signals

RS-232/RS-422 Serial Communication	DB-9 pin connector
Alarm/Comm Port	Leitch 3-pin connector
X-Y (coaxial communication)	75 ohms BNC
Sync	75 ohms BNC
Ethernet	RJ-45

### SDI, HD-SDI SPECIFICATIONS

#### Inputs

Number of Inputs	8, 16, or 32
Connector	75W BNC per IEC 169-8
Signal Type	SMPTE 259M, SMPTE 344M, and SMPTE 292M signal formats (HS only) Frequency limited - 3.072 Mb/s to 3 Gb/s
Normal Input Level	800 mVp-p ± 10%
Maximum Input Level	1200 mV
Return Loss	> -20 dB (5 MHz to 540 MHz) > -18 dB (540 MHz to 1.485 GHz)
Equalization	Auto
	270 Mb/s                      1100 ft (335 m) Belden 1694A
	1.485 Gb/s (HS only)        400 ft (122 m) Belden 1694A

#### Outputs

Number of Outputs	1, 4, 16, or 32
Connector	75 ohms BNC per IEC 169-8

Signal Type	SMPTE 259M, SMPTE 344M, and SMPTE 292M signal formats	
Reclocking	Automatic for all SMPTE-defined data rates pass-thru for all nonstandard clock rates	
Return Loss	-20 dB (5 MHz to 540 MHz) > -18 dB (540 MHz to 1.485 GHz) > 12dB, to 3.0G	
Jitter	< 0.2 UI @ frequency tested	
Output Amplitude	800 mVp-v $\pm$ 10%	
Rise and Fall Time	270 Mb/s	400 -- 1500 ps
	1.485 Gb/s (HS only)	< 270 ps
	3 Gb/s (HS only)	< 135ps
Overshoot	< 10% of amplitude	

### Performance

DC Offset	$0 \pm 0.5V$	
Power Consumption		
16x16	= 25W	
32x32	= 50W	
Propagation Delay	< 4.5nS P16xn S (270 Mb/s) < 13nS P16xn SR (270 Mb/s) < 5.5nS P32xn S (270 Mb/s) < 13.5nS P-2xn SR (270 Mb/s)	
Temperature		
Performance Temperature	41° F – 104° F (5° – 40° C)	
Operating Temperature	32° F -- 122° F (0° – 50° C)	

### Qty. Description

- 2 Redundant Power Supply to operate Panacea HD-SDI or equal, Harris #P-2RU-PSI or equal

### II. Service/Support

Toll free phone technical support must be provided through vendor or manufacturer for a minimum of three years and must be included in the price of the equipment.

### III. Warranty

All items must be covered by a no-charge one year minimum, parts and labor warranty.

#### IV. Invoicing

Send invoice to:

WV Educational Broadcasting  
Attention Steve Chapman  
600 Capitol Street  
Charleston, WV 25301

#### V. Delivery

Delivery shall be FOB destination

Delivery address is:

WV Public Broadcasting,  
Attention Chris Vincent  
191 Scott Ave.  
Morgantown, WV 26508-8802

Pricing PageEBA 250 HD-SDI Routing Switchers

Qty.	Description	Unit Price	Extended
2	32x32 HD-SDI Panacea (3Gbs, BNC) router tub, Harris #P32x32HSI or equal	\$ <u>14,965<sup>00</sup></u>	\$ <u>29,930<sup>00</sup></u>
2	Redundant Power Supply for above, Harris #P-2RU-PSI or equal	\$ <u>331<sup>00</sup></u>	\$ <u>662<sup>00</sup></u>
TOTAL			\$ <u>30,592<sup>00</sup></u>

\*\* Price is to be all inclusive.

  
 Signature of Vendor Representative

3/25/10  
 Date

Washington Professional Systems  
 Mike Gerry, Video Sales Manager  
 301-942-6800 301-943-3241 Fax

# State of West Virginia VENDOR PREFERENCE CERTIFICATE

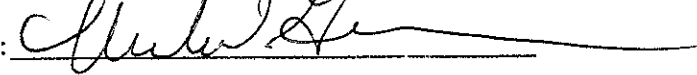
Certification and application\* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,  
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3. **Application is made for 2.5% resident vendor preference for the reason checked:**  
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4. **Application is made for 5% resident vendor preference for the reason checked:**  
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6. **Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:**  
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Washington Professional Systems Signed:   
 Date: 3/25/10 Title: Washington Professional Systems

\*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.  
 Mike Gery, Video Sales Manager  
 301-942-6600 301-943-3241 Fax



RFQ No. EBA 250

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

**WITNESS THE FOLLOWING SIGNATURE**

Vendor's Name: Washington Professional Systems

Authorized Signature: [Signature] Date: 3/25/10

State of MARYLAND

County of MONTGOMERY, to-wit:

Taken, subscribed, and sworn to before me this 25 day of MARCH, 2010.

My Commission expires JUNE 27, 2013.

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]