

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

## Request for Quotation

EBA208

A HEIGINUMBIER

SHELLY MURRAY 304-558-8801

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\*815160422



**EDUCATIONAL BROADCASTING** AUTHORITY 600 CAPITOL STREET

CHARLESTON, WV 25301-1223

304-558-3400

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

## Request for Quotation

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Sales Rep.	FEIN 35-1577	637	ADDRESS CHANGES	TO BE NOTED ABOVE

## **EBA208** Request for Quotations

West Virginia Educational Broadcasting is seeking to purchase four (4) HDCAM Studio Editing VTRs that can record and/or transmit over 2 hours of content for the Network Operations Center in Beckley, WV.

The Network Operations Center records studio, non-linear edited, satellite and microwave fed programming. There is an extensive library of pre-recorded Betacam and Betacam/SP taped programming. These machines shall be capable of playing back any of this prerecorded content.

The specifications are listed below. The units shall be Sony HDWM2000/20 HDCAM with Betacam, Betacam SP and Digital Betacam playback capability, or equivalent.

This equipment purchase is partially funded by the Corporation for Public Broadcasting Digital Distribution Fund, and vendors are bound by all terms in the grant agreement as they pertain to vendors.

For this RFQ, a performance bond shall be required.

## I. Specifications

- HDCAM shall be the native recording and playback format
- A performance bond shall be supplied equal to at least 100% of the contract price to ensure fulfillment of the vendor's obligations for this Grant Project which exceeds \$100,000. The performance bonds shall be issued by surety companies listed in the Department of Treasury Circular 570 (Approved Sureties) or have a similar State rating in the State (West Virginia) where the Grant Project is being completed.
- VTR shall have availability of long playback time of up to 124 minutes
- VTR's shall support recordings and playback at 50i, 59.94i,
   23.98PsF, 24PsF, 25PsF and 29.97PsF
- VTR's shall have the capability of multi-format playback of Betacam SX, Betacam, Betacam, Digital Betacam and MPEG IMX.
- Built-in up-conversion shall be provided to enable playback of compatible tapes to 1080i and down-conversion of HDCAM tapes to 480i

- VTR's shall have a standard feature to allow Metadata handling to enable retrieval of ancillary data that was recorded in a dedicated portion of the vertical interval (VANC area)
- Dolby-E and AC-3 audio handling capability shall be a standard feature
- o VTR shall have a Compact Body; four rack units tall
- VTR must be a low power consumption type
- VTR shall have DMC control capability
- VTR must have Pre-read editing capability
- VTR Shall have standard line conversion for 1035/1080
- VTR must have HD-SDI input and output
- One complete set of operating and service manuals shall be provided
- o Power cord must be supplied
- Four (4) Sony 19" rackmount systems or equal. Rackmount must be 19".

NOTE: "B" Stock items will be considered if in "like new" condition and carry same warranty as new stock. "B" stock must be noted on bid form.

# II. The following specifications shall be met or exceeded.

### General

## Digital Video Performance

Quantization: 10 bit/sample (compression: 8 bit/sample)

Sampling Frequency: Y: 74.25 MHz R-Y/B-Y: 37.125 MHz

Error Correction: Reed-Solomon code

Compression: Coefficient recording system

Channel Coding: S-I-NRZI PR-IV

### Digital Audio Performance

Quantization: 20 bit/sample

Headroom: 20 dB (or 18 dB selectable)

Sampling Frequency: 48 kHz (Synchronized with video)

Wow & flutter: Below measurable level

## **ANALOG AUDIO PERFORMANCE**

Frequency Response: 20 Hz to 20 kHz +0.5 dB/-1.0 dB (0 dB at 1 kHz)

Dynamic Range: More than 95 dB (at 1 kHz emphasis ON)

Distortion: Less than 0.05% (at 1 kHz emphasis ON reference level)

Crosstalk: Less than -80 dB (at 1 kHz between any two channels)

D/A Quantization: 20 bit/sample

A/D Quantization: 20 bit/sample

Remote Control: D-sub 9-pin

RS-232C interface

## Input/Output

Analog Audio Input: (CH1/2/3/4/CUE)

XLR-3-pin type (female) x 5

Low off: -60 dBu high impedance balanced High off: +4 dBu high impedance balanced High on: -4 dBm 600 Ω termination balanced

Analog Audio Output: (CH1/2/3/4/CUE)

XLR-3-pin type (male) x 5 +4 dBm (600 Ω load) Low impedance (Balanced)

Analog Component Output: BNC x 3 for 1 set

1.0 Vp-p 75 Ω

Sync negative

Analog Composite Output: BNC x 3 (RS-170A including one character out and

one WFM out)

1.0 Vp-p 75 Ω

Sync negative

HD-SDI Output: BNC x 3 (SMPTE 292M including one character out)
Serial Digital (1.485 Gb/s)

Headphone Output: JM-60 Stereo phone jack (-∞ to -12 dBu at 8 Ω load unbalanced)

Time Code Input: XLR-3-pin type (female) x 1

0.5 to 18 Vp-p

10 kΩ

(Balanced)

XLR-3-pin type (female) x 1

0.5 to 18 Vp-p

10 kΩ

(Balanced)

Time Code Output: XLR-3-pin type (male) x 1

2.2 Vp-p

Low impedance

Balanced

Video Control: D-sub 9-pin

D-sub 15-pin

HD-SDI Input: BNC x 1 (SMPTE 292M)

Serial Digital (1.485 Gb/s)

Digital Audio Input: (CH1/2 3/4)

BNC x 2

AES/EBU

Digital Audio Output: (CH1/2 3/4)

BNC x 2

**AES/EBU** 

SDI Output: BNC x 3 (SMPTE 259M including one character out)

Serial Digital (270 Mb/s)

Remote 1 Input: D-sub 9-pin

Sony 9-pin remote interface

Remote 1 Input/Output: D-sub 9-pin

Sony 9-pin remote interface

Analog Audio Monitor Output: XLR-3-pin type (male) x 2 +4 dBm at 600 Ω load Low Impedance (Balanced)

Control Panel: D-sub 15-pin

Parallel Remote: D-sub 50-pin

## General - Search Speed Range Shuttle Mode

HDCAM: Still to ±50 times normal speed playback (59.94i and 29.97PsF) still to ±58 times normal speed playback (50i and 25PsF) still to ±60 times normal speed playback (24PsF and 23.98PsF)

Betacam/Betacam SP: Still to ±35 times normal speed playback (525/59.94) still to ±42 times normal speed playback (625/50)

#### General

Weight: 50 lb 11 oz (23 kg)

Power Requirements: 100 to 240 V

50/60 Hz

Dimensions (W x H x D): 16 7/8 x 6 7/8 x 21 1/2 inches

(427 x 174 x 544 mm)

Fast Forward/Rewind Time: Approx. 3 minutes

(with BCT-124HDL cassette)

Servo Lock Time: 0.6 s or less (59.94i and 29.97PsF from standby on) 0.7 s or less (50i 25PsF 24PsF 23.98PsF from standby on)

124 min (w/ BCT124HDL Cass): 59.94l 29.97PsF

149 min (w/ BCT124HDL Cass): 50i

25PsF

48 min (w/ BCT40HD Cass): 50i

25PsF

40 min (w/ BCT40HD Cass): 59.94i

29.97PsF

Load/Unload Time: 6 s or less (both L and S cassettes)

### General - Shuttle Mode

Betacam SX: Still to ±78 times normal speed playback

## General - Tape Speed

Betacam SX: 59.6 mm/s

Betacam/Betacam SP: 118.6 mm/s (525/59.94)

101.5 mm/s (625/50)

HDCAM: 96.7 mm/s (59.94i and 29.97PsF)

80.6 mm/s (50i and 25PsF)

77.4 mm/s (24PsF and 23.98PsF)

Digital Betacam: 96.7

## General - Search Speed Range Variable Mo

HDCAM: -1 to +2 times normal speed playback

Betacam SX: -1 to +2 times normal speed playback

Betacam/Betacam SP: -1 to +3 times normal speed playback

Digital Betacam: -1 to +3 times normal speed playback

JOG Mode: Still to ±1 times normal speed playback

## ANALOG COMPOSITE OUT PERFORMANCE

Bandwidth: Y: 0 to 5.75 MHz +0.5 dB/-2.0 dB

R-Y/B-Y: 0 to 2.75 MHz +0.5 dB/-2.0 dB

S/N Ratio: 53 dB or more

Differential Phase: 2% or less

Differential Gain: 2% or less

Y/C Delay: 20 ns or less

K factor (2T pulse): 1% or less

Output SCH Phase: Based upon RS-170A/CCIR R.624-3

## III. Service/Support

- Successful bidder shall provide one complete set of operating and service manuals at no charge
- 24 hour toil free technical support shall be provided through vendor or manufacturer

## IV. Warranty

All items shall be covered by a minimum one year parts and labor warranty

## V. Shipping

Delivery shall be FOB destination

Deliver to:

WV Public Broadcasting Attention: Mike Fizer 124 Industrial Park Drive, Beaver, WV, 25813

## VI. Invoicing

Send invoice to:

West Virginia Public Broadcasting Attention: Steve Chapman 600 Capitol St. Charleston, WV 25301

# **EBA208 QUOTATION PAGE**

SEE ADDENDUM No. 1

Quantity	Description	Unit Price	Amount
4	HDCAM Broadcast VTR w/ Sp Playback (Unit Price must include the cost of O & M Manuals, 24 hour technical support, Warranty, freight, and power cord, etc.	\$	\$
	Or Equal Model Number:		
2	19" Rackmount Systems for HDCAM VTR \$		\$
	TOTAL	•	
Optiona	l .		
Quantity	Description	Unit Price	Amount
4	"B" stock HDCAM Broadcast VTR w/SP Playback (Unit Price must include the cost of O & M Manuals, 24 hour technical support, Warranty, freight, and power cord, etc.	\$	\$
	Or Equal Model Number:	<del></del>	
2	19" Rackmount Systems for HDCAM VTR \$	<u> </u>	\$
	TOTAL		\$
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# STATE OF WEST VIRGINIA Purchasing Division

# **PURCHASING AFFIDAVIT**

#### **VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: 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.

### PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code**. The vendor must make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the **West Virginia Code** and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the **West Virginia Code** may take place before their work on the public improvement is begun.

#### ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

### LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

#### CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf.

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.

Vendor's Name:	Duncan	Video,	Inc.	 		
Authorized Signa	ture: _	ستريم (سيحي	/	Date:	4-17-09	
Purchaeina Affidavit (		าฮโ		1-1-1-1		

Rev. 11/07

# 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.		oference for the reason checked: d continuously in West Virginia for four (4) years immediately preced-		
	business continuously in West Virginia for four (4) year ownership interest of Bidder is held by another individ- maintained its headquarters or principal place of bus preceding the date of this certification; or,	dent vendor and has maintained its headquarters or principal place of ars immediately preceding the date of this certification; or 80% of the ual, partnership, association or corporation resident vendor who has siness continuously in West Virginia for four (4) years immediately		
<del>Policial Delicies</del>		subsidiary which employs a minimum of one hundred state residents al place of business within West Virginia continuously for the four (4) tion; or,		
2.		eference for the reason checked: I the life of the contract, on average at least 75% of the employees Virginia who have resided in the state continuously for the two years		
3.	affiliate or subsidiary which maintains its headquarte minimum of one hundred state residents who certifie	n of one hundred state residents or is a nonresident vendor with an ere or principal place of business within West Virginia employing a s that, during the life of the contract, on average at least 75% of the loyees are residents of West Virginia who have resided in the state		
4.	Application is made for 5% resident vendor prefe Bidder meets either the requirement of both subdivision	erence for the reason checked: ons (1) and (2) or subdivision (1) and (3) as stated above; or,		
<b>5.</b>	Bidder is an individual resident vendor who is a veteran	eference who is a veteran for the reason checked: of the United States armed forces, the reserves or the National Guard he four years immediately preceding the date on which the bid is		
6.	Bidder is a resident vendor who is a veteran of the Up purposes of producing or distributing the commodities continuously over the entire term of the project, on a	eference who is a veteran for the reason checked: nited States armed forces, the reserves or the National Guard, if, for or completing the project which is the subject of the vendor's bid and verage at least seventy-five percent of the vendor's employees are ate continuously for the two immediately preceding years.		
requirer against	ments for such preference, the Secretary may order the	hat a Bidder receiving preference has falled to continue to meet the e Director of Purchasing to: (a) reject the bid; or (b) assess a penalty amount and that such penalty will be paid to the contracting agency ase order.		
authoriz	zes the Department of Revenue to disclose to the Direct	reasonably requested information to the Purchasing Division and or of Purchasing appropriate information verifying that Bidder has paid oes not contain the amounts of taxes paid nor any other information		
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:	Duncan Video, Inc.	Signed:		
Date:_	4-14-09 T	itie: Sales Representative		

<sup>\*</sup>Check any combination of preference consideration(s) indicated above, which you are entitled to receive.



Sales Rep.

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

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CHARLESTON, WV 25301-1223 304-558-3400

ADDRESS CHANGES TO BE NOTED ABOVE

\*815160422 Duncan Video, Inc.
702 Adams Street
Carmel, IN 460322
Iphone 317 815 6300
Stax 317 816 6310
toll free 800 538 2800
www.duncanyld.com durcan

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Sales Rep.	ľ	EIN 35-15776		<del></del>	TO BE NOTED ABOVE

### **EBA208 QUOTATION PAGE**

## Quantity Description

Unit Price

Amount

4 HDCAM Broadcast VTR w/ Sp Playback \$56,896.00\$227,584.00 (Unit Price must include the cost of Q & M Manuals, 24 hour technical support, Warranty, freight, and power cord, etc.

Includes Vol 1-3 of Maintenance Man., S/H, etc.

Or Equal Model Number:

- Sony 24/7 Toll-Free Tech Support \$3148.00 \$ 12,592.00
- 19" Rackmount Systems for HDCAM VTR \$ 249.50 \$ 998.00 Includes S/H

TOTAL

**\$** 241,174.00

## **Optional**

## Quantity Description

Unit Price

**Amount** 

4 "B" stock HDCAM Broadcast VTR w/SP

Playback

\$54,098.00 \$ 216,392.00\*

(Unit Price must include the cost of O & M Manuals, 24 hour technical support,

Warranty, freight, and power cord, etc.

Includes Vol 1-3 of Maintenance Man., S/H, etc.

Or Equal Model Number:

Sony 24/7 Toll-Free Tech Support \$3148.00 \$ 12,592.00

19" Rackmount Systems for HDCAM VTR \$ 249.50 \$ 998.00

TOTAL

\$ 229,982.00

\*B-Stocks items are subject to availability from Sony.

VENDOR: \*815160422



# Quotation

**Quote Number:** 

Date:

Entrity (system)

Sales Rep.



West Virginia Public Broadcasting Steve Chapman

600 Capitol Street

Charleston

WV

25301

Phone:

ext.

Fax



Ship To:

WV Public Broadcasting

Mike Fizer

124 Industrial Park Drive

Beaver

WV

25813

Phone:

Fax

ext.

 Qty
 Part Number
 Description
 Unit Price
 Ext. Price

 4
 Sony HDCAM Studio Editing Recorder
 \$56,896.00
 \$227,584.00

HDWM2000/20

**UPSSH** 

Plays Digital Betacam, Betacam/SP, Betacam SX, MPEG IMX. Records and plays HDCAM at frame rates: 1080/23.98, 1080/24, 1080/59.94i, 50i, 29.97PsF, and 25 PsF (note: Pulldown output is not available in this model). Built-in up-conversion of playback-compatible Standard Definition tapes to 1080i and down-conversion of HDCAM tapes to 480i is a standard feature. Metadata handling, UMID (Unique Material Identifier Data) record capability, and simplified menu setups and firmware upgrades via Memory Stick media. Capable of handling Dolby-E and AC-3 audio.

Supplied Accessories: Operation and Installation Manuals,

Power Cord

996-7901-16 Sony Maintenance Manual for HDWM2000/20 - Vol 1

996-7902-15 Sony Maintenance Manual for HDWM2000/20 - Vol 2

996-7903-15 Sony Maintenance Manual for HDWM2000/20 - Vol 3

Shipping and Handling Included

UPSSH Shipping and Handling Included

4 SUPPORTNET1YR Sony 24/7 SupportNET 1 Year \$3,148.00 \$12,592.00

4 19" Rackmount System for HDCAM VTR \$249.50 \$998.00

RKS-SWM2 FEC Rack Kit for Sony HDWM2000/20

SubTotal \$241,174.00 Şales Tax \$0.00 Shipping \$0.00

Total \$241,174.00

This quote is valid for 30 days from date indicated. Terms of sale are Net 30 from date of invoice for customers with approved credit. Customers without approved credit may apply for credit or purchase with company check or major credit card. All prices are subject to change. All prices are based on total purchase. All returns must be accompanied with a Return Material Authorization Number. All returns are subject to a restocking charge up to 30%.

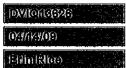
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# Quotation

**Quote Number:** 

Date:

Sales Rep.



Sold To:

West Virginia Public Broadcasting

Steve Chapman

600 Capitol Street

Charleston

**DVIQ13626** 

WV

25301

Phone:

ext.

Fax



Ship To:

WV Public Broadcasting

Mike Fizer

124 Industrial Park Drive

Beaver

WV

25813

Phone:

ext.

Fax

Qty	Part Number	Description	Unit Price	Ext. Price
4		Sony HDCAM Studio Editing Recorder B-Stock***	\$54,098.00	\$216,392.00
	HDWM2000/20	Plays Digital Betacam, Betacam/SP, Betacam SX, MPEG IMX. Records and plays HDCAM at frame rates: 1080/23.98.		

1080/24, 1080/59.94i, 50i, 29.97PsF, and 25 PsF (note: Pulldown output is not available in this model). Built-in up-conversion of playback-compatible Standard Definition tapes to 1080i and down-conversion of HDCAM tapes to 480i is a standard feature. Metadata handling, UMID (Unique Material Identifier Data) record capability, and simplified menu setups and firmware upgrades via Memory Stick media. Capable of handling Dolby-E and AC-3 audio.

Supplied Accessories: Operation and Installation Manuals.

Power Cord

996-7901-16 Sony Maintenance Manual for HDWM2000/20 - Vol 1

996-7902-15 Sony Maintenance Manual for HDWM2000/20 - Vol 2

996-7903-15 Sony Maintenance Manual for HDWM2000/20 - Vol 3

**UPSSH** Shipping and Handling Included

SUPPORTNET1YR Sony 24/7 SupportNet 1Year \$3,148.00 \$12,592.00

\*\*\*B-Stock items are sbject to availability from Sony.

19" Rackmount System for HDCAM VTR \$249.50 \$998.00

**RKS-SWM2** FEC Rack Kit for Sony HDWM2000/20

**UPSSH** Shipping and Handling Included

> SubTotal \$229,982.00 Sales Tax \$0.00 Shipping \$0.00 Total \$229,982.00

This quote is valid for 30 days from date indicated. Terms of sale are Net 30 from date of invoice for customers with approved credit. Customers without approved credit may apply for credit or purchase with company check or major credit card. All prices are subject to change. All prices are based on total purchase. All returns must be accompanied with a Return Material Authorization Number. All returns are subject to a restocking charge up to 30%.

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