



# West Virginia Purchasing Division

2019 Washington Street, East  
Charleston, WV 25305  
Telephone: 304-558-2306  
General Fax: 304-558-6026  
Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

## Header

List View

### General Information

Contact Default Values Discount Document Information

Procurement Folder: 135062

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0439

Vendor ID: 000000227994 

SO Doc ID: EBA1600000001

Legal Name: DIGITAL VIDEO GROUP INC

Published Date: 10/2/15

Alias/DBA:

Close Date: 10/6/15

Total Bid: \$115,174.74

Close Time: 13:30

Response Date: 10/04/2015 

Status: Closed

Response Time: 17:07

Solicitation Description: Addendum #1 - Ross Carbonite 2s  
2 M/E TV Prod Swtcher

Total of Header Attachments: 0

Total of All Attachments: 0



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

**State of West Virginia  
 Solicitation Response**

**Proc Folder :** 135062

**Solicitation Description :** Addendum #1 - Ross Carbonite 2s 2 M/E TV Prod Swtcher

**Proc Type :** Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
	2015-10-06 13:30:00	SR 0439 ESR10041500000001444	1

**VENDOR**

000000227994  
 DIGITAL VIDEO GROUP INC

**FOR INFORMATION CONTACT THE BUYER**

Stephanie L Gale  
 (304) 558-7023  
 stephanie.l.gale@wv.gov

Signature X FEIN # DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	2 Mix Effect Live Broadcast TV Prod Switcher Router Chassis	1.00000	EA	\$54,015.950000	\$54,015.95

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :** Part # C2S-224EX-96-001, Ross Carbonite 2s 2 Mix Effect Live Broadcast TV Production Switcher/Router chassis or equivalent

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
2	Redundant Power Supply	1.00000	EA	\$2,701.200000	\$2,701.20

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :** Part # CF-NK-P3G Redundant Power Supply Extreme Frame or equivalent.

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
3	Carbonite 2S 2 M/E Live Production Switcher Panel ONLY	1.00000	EA	\$13,116.000000	\$13,116.00

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :** Part # C2S-Panel Carbonite 2S 2 M/E Live Production Switcher Panel ONLY, 24 source button panel including 1 Power Supply, Source and Keyer Mnemonics, or equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
4	Redundant Power for Carbonite 2S Panel	2.00000	EA	\$501.240000	\$1,002.48

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :** Part # C2S-Panel-REDPSU-EXT, Redundant Power for Carbonite 2S Panel, additional PSU External Brick type power supply for load sharing redundancy, or equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
5	8 input card	15.00000	EA	\$501.660000	\$7,524.90

Comm Code	Manufacturer	Specification	Model #
43221701			

Extended Description : Part # CF-NK-13G, 8 input card option that provides support for 8 additional video inputs, or equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
6	16 input connector (1 for 2 input cards)	7.00000	EA	\$270.120000	\$1,890.84

Comm Code	Manufacturer	Specification	Model #
43221701			

Extended Description : Part # CF-NK-13G-RC, 16 input connector (1 for 2 input cards) or equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
7	8 output card	6.00000	EA	\$926.130000	\$5,556.78

Comm Code	Manufacturer	Specification	Model #
43221701			

Extended Description : Part # CF-NK-O3G, 8 output card, for 8 additional video outputs, or equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
8	16 output connector (1 for 2 output cards)	3.00000	EA	\$270.120000	\$810.36

Comm Code	Manufacturer	Specification	Model #
43221701			

Extended Description : Part # CF-NK-03G-RC, 16 output connector 9 1 for 2 output cards) or equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
9	Carbonite Extreme Second Switcher Upgrade	1.00000	EA	\$19,290.400000	\$19,290.40

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :** Part # CF-EX-2NDSWR-UPG, Carbonite Extreme Second Switcher Upgrade

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
10	Ethernet Enabled 40 Button and LCD Display Cntrl Panel	1.00000	EA	\$771.000000	\$771.00

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :** Part # RCP-ME, Ethernet Enabled 40 Button and LCD Display Cntrl Panel or equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
11	Ethernet enabled Q series 17 LCD Button Cntrl Panel	1.00000	EA	\$2,005.830000	\$2,005.83

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :** Part # RCR-QE, Ethernet enabled Q series 17 LCD Button Cntrl Panel, or equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
12	Carbonite Commissioning-1 day	1.00000	EA	\$3,244.500000	\$3,244.50

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :** Part # Carbonite-COM-1DAY, Carbonite Commissioning-1 day, travel included, or equal

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
13	Carbonite Operations Training-1 Day	1.00000	EA	\$3,244.500000	\$3,244.50

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :** Part # CARBONITE-OTR-1DAY,Carbonite Operations Training-1 Day travel included, or equal

135062 Addendum #1 - Ross Carbonite 2s 2 M/E TV Prod Swtcher

Central Purchase Order

2015-10-02 2015-10-06 CRFQ 0439 EBA1600000001 2

13:30:00

BID CLERK DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION 2019 WASHINGTON ST E CHARLESTON WV 25305 US

Stephanie L. Gale   
(304) 558-7023 stephanie.l.gale@wv.gov

81-0606512

10/04/2015



**ADDITIONAL INFORMAITON:**

Addendum #1 issued to:

Provide technical questions and reponses.

End of Addendum #1

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	2 Mix Effect Live Broadcast TV Prod Switcher Router Chassis	1.00000	EA	\$54,015.95	\$54,015.95

Comm Code	Manufacturer	Specification	Model #
43221701		Please note that this part number has been retired by the manufacturer. Digital Video Group is quoting Ross Part Numbers CB2S-Panel and Ross CF-224EX-96. These new part number provide the same specification and configuration as the retired part number	

**Extended Description :**

Part # C2S-224EX-96-001, Ross Carbonite 2s 2 Mix Effect Live Broadcast TV Production Switcher/Router chassis or equivalent

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Redundant Power Supply	1.00000	EA	\$2701.20	\$2701.20

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-NK-P3G Redundant Power Supply Extreme Frame or equivalent.

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Carbonite 2S 2 M/E Live Production Switcher Panel ONLY	1.00000	EA	\$13,116.00	\$13,116.00

Comm Code	Manufacturer	Specification	Model #
43221701		Please note that this part number has been retired by the manufacturer. Digital Video Group is quoting Ross Part Numbers CB2S-Panel This new part number provide the same specification and configuration as the retired part number	

**Extended Description :**

Part # C2S-Panel Carbonite 2S 2 M/E Live Production Switcher Panel ONLY, 24 source button panel including 1 Power Supply, Source and Keyer Mnemonics, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Redundant Power for Carbonite 2S Panel	2.00000	EA	\$501.24	\$1,002.54

Comm Code	Manufacturer	Specification	Model #
43221701		Please note that this part number has been retired by the manufacturer. Digital Video Group is quoting Ross Part Number PSU-12V16A-6PIN This new part number provide the same specification and configuration as the retired part number	

**Extended Description :**

Part # C2S-Panel-REDPSU-EXT, Redundant Power for Carbonite 2S Panel, additional PSU External Brick type power supply for load sharing redundancy, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	8 input card	15.00000	EA	\$501.66	\$7,524.90

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-NK-13G, 8 input card option that provides support for 8 additional video inputs, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	16 input connector (1 for 2 input cards)	7.00000	EA	\$270.12	\$1890.84

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-NK-13G-RC, 16 input connector (1 for 2 input cards) or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	8 output card	6.00000	EA	\$926.13	\$5556.78

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-NK-O3G, 8 output card, for 8 additional video outputs, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	16 output connector (1 for 2 output cards)	3.00000	EA	\$270.12	\$810.63

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-NK-03G-RC, 16 output connector 9 1 for 2 output cards) or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	Carbonite Extreme Second Switcher Upgrade	1.00000	EA	\$19,290.40	\$19,290.40

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-EX-2NDSWR-UPG, Carbonite Extreme Second Switcher Upgrade

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	Ethernet Enabled 40 Button and LCD Display Cntrl Panel	1.00000	EA	\$771.00	\$771.00

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # RCP-ME, Ethernet Enabled 40 Button and LCD Display Cntrl Panel or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	Ethernet enabled Q series 17 LCD Button Cntrl Panel	1.00000	EA	\$2005.83	\$2005.83

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # RCR-QE, Ethernet enabled Q series 17 LCD Button Cntrl Panel, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	Carbonite Commissioning-1 day	1.00000	EA	\$3244.50	\$3244.50

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # Carbonite-COM-1DAY, Carbonite Commissioning-1 day, travel included, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	Carbonite Operations Training-1 Day	1.00000	EA	\$3244.50	\$3244.50

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CARBONITE-OTR-1DAY,Carbonite Operations Training-1 Day travel included, or equal

**SCHEDULE OF EVENTS**

<u>Line</u>	<u>Event</u>	<u>Event Date</u>
1	Technical Questions Due	2015-09-28

<b>EBA160000001</b>	<b>Document Phase</b> Final	<b>Document Description</b> Addendum #1 - Ross Carbonite 2 s 2 M/E TV Prod Swtcher	<b>Page 8</b> <b>of 8</b>
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**ADDITIONAL TERMS AND CONDITIONS**

See attached document(s) for additional Terms and Conditions



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Request for Quotation

Proc Folder: 135062

Doc Description: Addendum #1 - Ross Carbonite 2s 2 M/E TV Prod Swtcher


Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2015-09-21	2015-10-06 13:30:00	CRFQ 0439 EBA1600000001	2

**BID RECEIVING LOCATION**  
 BID CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 2019 WASHINGTON ST E  
 CHARLESTON WV 25305  
 US

**VENDOR**  
 Vendor Name, Address and Telephone Number:

**FOR INFORMATION CONTACT THE BUYER**  
 Stephanie L Gale  
 (304) 558-7023  
 stephanie.l.gale@wv.gov

Signature X  FEIN # 81-0606512 DATE 10/4/2015

All offers subject to all terms and conditions contained in this solicitation



**ADDITIONAL INFORMATION**

Addendum #1 issued to:

Provide technical questions and responses.

End of Addendum #1

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
1	2 Mix Effect Live Broadcast TV Prod Switcher Router Chassis	1.00000	EA	\$54,015.95	\$54,015.95

Comm Code	Manufacturer	Specification	Model #
43221701		Please note that this part number has been retired by the manufacturer. Digital Video Group is quoting Ross Part Numbers CB2S-Panel and Ross CF-224EX-96. These new part numbers provide the same specification and configuration as the retired part number	

**Extended Description :**

Part # C2S-224EX-96-001, Ross Carbonite 2s 2 Mix Effect Live Broadcast TV Production Switcher/Router chassis or equivalent

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
2	Redundant Power Supply	1.00000	EA	\$2,701.20	\$2,701.20

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-NK-P3G Redundant Power Supply Extreme Frame or equivalent.

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
3	Carbonite 2S 2 M/E Live Production Switcher Panel ONLY	1.00000	EA	\$13,116.00	\$13,116.00

Comm Code	Manufacturer	Specification	Model #
43221701		Please note that this part number has been retired by the manufacturer. Digital Video Group is quoting Ross Part Numbers CB2S-Panel This new part numbers provides the same specification and configuration as the retired part number	

**Extended Description :**

Part # C2S-Panel Carbonite 2S 2 M/E Live Production Switcher Panel ONLY, 24 source button panel including 1 Power Supply, Source and Keyer Mnemonics, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
4	Redundant Power for Carbonite 2S Panel	2.00000	EA	\$501.24	\$1,002.54

Comm Code	Manufacturer	Specification	Model #
43221701		Please note that this part number has been retired by the manufacturer. Digital Video Group is quoting Ross Part Number PSU-12V16A-6PIN This new part numbers provide the same specification and configuration as the retired part number	

**Extended Description :**

Part # C2S-Panel-REDPSU-EXT, Redundant Power for Carbonite 2S Panel, additional PSU External Brick type power supply for load sharing redundancy, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
5	8 input card	15.00000	EA	\$501.66	\$ 7,524.90

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-NK-13G, 8 input card option that provides support for 8 additional video inputs, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
6	16 input connector (1 for 2 input cards)	7.00000	EA	\$270.12	\$1,890.84

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-NK-13G-RC, 16 input connector (1 for 2 input cards) or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
7	8 output card	6.00000	EA	\$926.13	\$5,556.78

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # CF-NK-O3G, 8 output card, for 8 additional video outputs, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
8	16 output connector (1 for 2 output cards)	3.00000	EA	\$270.12	\$810.63

Comm Code	Manufacturer	Specification	Model #
43221701			

Extended Description :  
Part # CF-NK-03G-RC, 16 output connector 9 1 for 2 output cards) or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
9	Carbonite Extreme Second Switcher Upgrade	1.00000	EA	\$19,290.40	\$19,290.40

Comm Code	Manufacturer	Specification	Model #
43221701			

Extended Description :  
Part # CF-EX-2NDSWR-UPG, Carbonite Extreme Second Switcher Upgrade

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
10	Ethernet Enabled 40 Button and LCD Display Cntrl Panel	1.00000	EA	\$771.00	\$771.00

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # RCP-ME, Ethernet Enabled 40 Button and LCD Display Cntrl Panel or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
11	Ethernet enabled Q series 17 LCD Button Cntrl Panel	1.00000	EA	\$2,005.83	\$2,005.83

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # RCR-QE, Ethernet enabled Q series 17 LCD Button Cntrl Panel, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
12	Carbonite Commissioning-1 day	1.00000	EA	\$3,244.60	\$3,244.60

Comm Code	Manufacturer	Specification	Model #
43221701			

**Extended Description :**

Part # Carbonite-COM-1DAY, Carbonite Commissioning-1 day, travel included, or equal

INVOICE TO		SHIP TO	
CHIEF FINANCIAL OFFICER EDUCATIONAL BROADCASTING 124 INDUSTRIAL PARK RD		PURCHASING ADMINISTRATOR EDUCATIONAL BROADCASTING 600 CAPITOL ST	
BEAVER	WV25813	CHARLESTON	WV 25301-1223
US		US	

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Total Price
13	Carbonite Operations Training-1 Day	1.00000	EA	\$3,244.50	\$3,244.50

Comm Code	Manufacturer	Specification	Model #
43221701	Please note that Line Item 13 requests a different quantity of training than is requested on the Submitted Pricing Page.		

**Extended Description :**  
Part # CARBONITE-OTR-1DAY, Carbonite Operations Training-1 Day travel included, or equal

**SCHEDULE OF EVENTS**

Line	Event	Event Date
1	Technical Questions Due	2015-09-28

SOLICITATION NUMBER: CRFQ EBA1600000001

Addendum Number: 1

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The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

**Applicable Addendum Category:**

- Modify bid opening date and time
- Modify specifications of product or service being sought
- Attachment of vendor questions and responses
- Attachment of pre-bid sign-in sheet
- Correction of error
- Other

**Description of Modification to Solicitation:**

Addendum #1 issued to:

1. Provide technical questions and responses.

End of Addendum #1.

**Additional Documentation:** Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

**Terms and Conditions:**

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

**Solicitation # CRFQ EBA1600000001 -- Ross Switching Equipment  
Questions and Answers**

**Question 1 of 1:** I see on the solicitation that Ross will provide commissioning and training for the equipment, but can you please confirm whether or not the contractor is responsible for the physical installation of the equipment?

**Answer 1 of 1:** The contractor is NOT responsible for the physical installation of the equipment. Educational Broadcasting Authority personnel will be installing the equipment.

**Steve Chapman  
WVEBA Purchasing Director**



**Reference: CRFQ EBA1600000001 Ross Switcher and Router**

**2<sup>nd</sup> Set of Questions and Answers**

14 Questions Posed

September 28, 2015

**Question 1.:** Please define 24 input and 96 output requirements. As there are a number of other references that could be conflict:

**Answer to Question 1:** The switcher shall have 24 simultaneous inputs

All 96 crosspoints within the switcher shall be available for routing

- a. 3.2.2.5 Router shall have 64 inputs
- b. This is the minimum the frame will have installed
- c. 3.2.2.6 Router shall have 64 outputs
- d. This is the minimum the frame will have installed

**Question 2:** Is 144 in x 144 output a real requirement?

**Answer to Question 2:** Yes. As a minimum

- a. Is 64x64 acceptable?  
No. 64 is less than 144
- b. Is 128x128 acceptable?  
No. 128 is less than 144
- c. Is 256x256 acceptable?  
Yes, as long as it meets all other specifications

**Question 3:** Re: 3.2.2.6.1 Can Router SDI I/O be offered in groups of 16?

**Answer to Question 3:** Yes, but all must be housed in the same frame

**Question 4:** 3.2.1.6 Define “convert” between listed formats and frame rates.

**Answer to Question 4:** Convert means conditioned in frame rate, aspect ratio, and other to allow mixing with other sources.

a. Does this really need 525 to 626 or 625 to 525 line conversion? In same frame?

Yes, and in the same frame-

b. Does this really mean 1080i to 720p or 720p to 1080i conversion? In same frame?

Yes, and also in the same frame. No patching to cross converters will be permitted

c. Is the requirement really SD to HD or HD to SD?

Both of these conversions, plus all formats listed in the specifications

**Question 5:** 3.2.2.11 Define integrated?

a. Integrated control is the requirement? Means system input and output

expandability is the real requirement?

**Answer to Question 5:** The router and both switcher panels shall be one system. All sources shall be available to all devices.

b. How important to keep mission critical, single points of failure separated?

Redundant power supplies and redundant signal paths are required-

(Placing the switcher/ mixer in the routing matrix is a risky point of failure)

**Question 6:** 3.2.2.13.5 Digital video router compliant

a. Does AES /EBU compliance mean that separate discreet digital audio should be possible in the router matrix? Or is embedded AES in the SDI stream the requirement?

**Answer to Question 6:** Router and switcher shall accommodate embedded audio

**Question 7:** 3.3.2.1 Can switcher and router Inputs and outputs be co shared among separate matrices, as long as there is a tight input and output interface? So long as the router can be controlled from the switcher surface...either from a GUI or switcher control surface?

**Answer to Question 7:** All of the router inputs must be available on both switchers natively, having to set up inputs using a router control panel is unacceptable.

**Question 8:** 3.3.4.1 What is the meaning of 96 available outputs? How does that compare to 3.2.2.6?

**Answer to Question 8:** 96 is the number of available crosspoints, these shall be available on the router.

**Question 9.** 3.3.7 What is the meaning one program bus and two mix/effects?...Is the three bus mixer/switcher...aka 3ME?

**Answer to Question 9:** One Program Bus- One Preview Bus, then two Mix/Effects buses. The Program bus is not an M/E bus

**Question 10:** With two max 16 image multiviewer (total 32 windows) how will the operation see more than 32 inputs and outputs?

**Answer to Question 10:** Each director will build his own multiviewer, placing the items of interest on his viewer-

- a. How about a product that offers up to 64 image windows internally?
- b. With so many images, the resolution of each is reduced and clutter is a factor.
- c. Are 29 to 30 MV layouts really required?
- d. Yes, each show, each director, each special production task may require a different configuration

**Question 11:** 3.4.22 Why is there a limit of 6 frame syncs and format scalar and all reduced to zero with DVE are enabled?

**Answer to Question 11:** 6 Frame syncs are the minimum requirement. There are times when the processing power of the frame syncs can be better used in a DVE mode-

a. Is there a preference for all inputs to be FS? And all inputs to capture and hold a still image from recall video or USB transfer?

No, not all inputs are required or desired to be FS. All inputs must have a capture and store capability.

**Question 12:** 3.4.23 Why is there a requirement for a flat only PiP?

**Answer to Question 12:** 3D graphics will be generated externally

a. Would 2.5 and 3.0 DVE PiP and transitions be more desirable and practical in a producers show look?

This is subjective

**Question 13:** 3.6 Is the requirement for a dual switcher panel operate to share resources?

**Answer to Question 13:** Yes, all sources shall be available to all devices

**Question 14:** 3.12 Can a 6ME switcher matrix be substituted with dual assignable and configurable 2ME switcher control panels?

**Answer to Question 14:** No, there must be two independent switchers, sharing all sources and able to route to the same destinations.

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: EBA1600000001**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

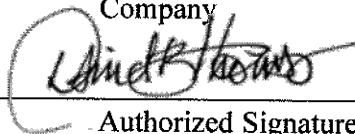
(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Digital Video Group Inc.

Company



Authorized Signature

10/4/2015

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.  
Revised 6/8/2012