



BOARD OF EDUCATION OF THE SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT - BUILDING C
2800 Grays Creek Drive • Arlington, Tennessee 38002 • Phone 901.321.2602



May 27, 2009

NOTICE TO BIDDERS

BID #FY090123

Shelby County Schools will receive bids for **TV Studio Equipment**. There will be a public opening of this bid not later than **11:00 A.M., Central Time, Monday, June 15, 2009, in the Conference Room, Purchasing Department, Building C, 2800 Grays Creek Drive, Arlington, Tennessee 38002.**

All bids must be received and time-stamped in the Purchasing Department, Building C, 2800 Grays Creek Drive, Arlington, Tennessee 38002, prior to stated bid opening date and time. Bids received after the specified date and time are considered late and will not be opened.

Shelby County Schools reserves the right to reject any or all bids, waive defects or informalities in bids and to make bid awards as deemed to be in its best interest. Awards will be made to the lowest and/or best bidder if awarded.

In compliance with this Invitation to Bid, in consideration of the detailed description attached hereto; and subject to all conditions thereof, the undersigned agrees, if this bid be accepted, to furnish any or all of the items upon which prices have been quoted in accordance with the specifications applying at the price set opposite each item. The undersigned further agrees, if awarded an order or contract, to indemnify, protect, defend and hold harmless Shelby County Schools, its servants and employees from all claims, suits or demands for payment that may be brought against it arising out of the use of any product or article that becomes a part of an order or contract. Bidder further agrees to indemnify, protect, defend and hold harmless Shelby County Schools, its servants and employees from all claims, suits or actions of every nature and description brought against it for, or on account of, any injuries or damages received or sustained by any party or parties, or by employees and servants of the undersigned or agents arising out of or in the course of fulfilling an order or contract.

Bidder also certifies that he does not discriminate against any employee or applicant for employment on the grounds of race, color, national origin or sex; and does not and will not maintain or provide for his employees any segregated facilities at any of his establishments, and further, that he does not and will not permit his employees to perform their services at any location under his contract where segregated facilities are maintained.

			TERMS:		DELIVERY: Days A.R.O.	
COMPANY NAME						
ADDRESS						
CITY			PHONE		FAX	
STATE			E-MAIL ADDRESS			
ZIP						
Name and signature below certifies that you understand and agree to all information contained in this Bid.						
AUTHORIZED REPRESENTATIVE (Print)			SIGNATURE		DATE	

Shelby County Schools
TV Studio Equipment

TERMS AND CONDITIONS:

- A. Bidder will submit quotations on enclosed Bid Sheet. Pricing quoted shall be Shelby County Schools final actual cost to include delivery, installation, setup and training. F.O.B. Destination to one (1) location: Germantown High School TV Studio, 7653 Old Poplar Pike, Germantown, Tennessee 38138.

Successful bidder shall give not less than three (3) days notification prior to delivery. All deliveries must be coordinated with Frank Bluestein or Lee Driver, 901.754.4788.

- B. All bids must meet or exceed the enclosed specifications. Bidder must indicate manufacturer's name, and model number offered. If bidder fails to provide this information, and an award is made, then the bidder shall supply the item(s) as specified. All items supplied by the successful bidder(s) shall be: 1) as per manufacturer's name, model number and description quoted, and 2) new and unused. Remanufactured, demo equipment, factory seconds and/or reconditioned items will be unacceptable. Items delivered not meeting these requirements shall be subject to return and replaced at no additional cost to Shelby County Schools. Any exceptions to the specifications must be clearly noted and documented. Literature to be included with bid for all products quoted. Bidder submitting catalogue(s) shall indicate page number(s) for each item quoted. Bids will be considered incomplete for failing to include required product literature and specification along with bid and will be rejected.
- C. Warranty: **Minimum one (1) full year parts and labor warranty.** Successful vendor shall facilitate all warranty claims (including but not limited to labor, materials, shipping and handling, etc.) during the first year. It is preferred that all items quoted shall have local (Shelby County, Tennessee) service. Bidder shall indicate local (Shelby County, Tennessee) service provider. Manufacturer service certification must be available within two (2) business days (48 hours) of request. **If local service provider is not available, bidder to include (with bid) detailed procedures for obtaining service.**
- D. By agreeing to provide goods or services to any school within Shelby County Schools, you are attesting that you are aware of your obligations under T.C.A. 49-5-413(d) to ensure that all of your employees who have direct contact with students of the Shelby County School system or to children in a Shelby County Schools' child care program or who have access to the grounds of any Shelby County school when children are present have done the following:
- (1) Supplied a fingerprint sample and submitted to a criminal history records check to be conducted by the Tennessee Bureau of Investigation and the Federal Bureau of Investigation prior to having any contact with Shelby County School children or entering the grounds of any Shelby County School;
 - (2) Successfully passed the aforementioned criminal history records check. If the criminal history records check indicates that the employer or employee has been convicted of an offense that, if committed on or after July 1, 2007, is classified as a sexual offense in T.C.A. 40-39-202(17) or a violent sexual offender in T.C.A. 40-39-202(25) the employee may not enter the grounds of any Shelby County School or have direct contact with students of the Shelby County School system or to children in a Shelby County Schools' child care program.

You are also agreeing that if one of your employees commits a sexual offense as defined in 40-39-202(17) or violent sexual offense as defined in 40-39-202(25) after you have conducted your initial criminal history check on such employee, said employee will notify you of the offense and you will subsequently not permit that employee to have contact with students of the Shelby County School system or to children in a Shelby County Schools' child care program or to enter the grounds of any Shelby County school.

You also agree and understand that your failure to satisfy all of the requirements of T.C.A. 40-39-202(17) will be deemed to be a material breach of this contract which could subject you to breach of contract damages.

TERMS AND CONDITIONS: cont'

- E. The successful proposer must carry insurance to include:
1. Worker's compensation coverage in accordance with the statutory requirement and limits of the State of Tennessee
 2. Comprehensive General Liability Insurance for bodily injury (including death) and Property Damage Insurance of \$1,000,000.00 per occurrence
 3. Comprehensive automobile liability insurance covering owned, hired and non-owned vehicles with a minimum of Bodily and Property damage of \$1,000,000.00 each accident, combined single limit
 4. Excess or umbrella insurance

Shelby County Schools shall be supplied satisfactory proof of carriage of above required insurance. In addition, Shelby County Schools shall be conspicuously named on the certificate of insurance as an additional insured on Auto, GL, Excess Policies and Professional Errors and Omission/Cyber-Risk.

Certificate of Insurance must be submitted within five (5) business days from date of request.

- F. Shelby County Schools reserves the right to request any additional information deemed necessary in the evaluation of this bid. Requested information shall be submitted within five (5) business days from date of request.
- G. The bidder must state number of business days for completed delivery, after receipt of order **(Days ARO)**. **Delivery time quoted may be considered in the evaluation of this bid.**
- H. Payment will be made within thirty (30) days after receipt of invoice and/or delivery of materials; whichever is later. Prompt payment discounts will be considered in the evaluation of this bid.
- I. The terms, conditions and specifications listed in this bid constitute the total terms and conditions that will be acceptable. Shelby County Schools will not be bound by conditions other than those stated.
- J. An agent that can legally bind the bidding vendor must sign the Notice to Bidder Sheet and include with your response.
- K. All price quotations and related materials must be received in a sealed envelope. Time, date and nature of bid must be clearly marked on face of sealed envelope. Attach label from last page of this document to the outside of your bid submission.
- L. Lump sum totals will be determined by the sum total of the extended unit cost of each item in a lump sum grouping. In all cases, the unit cost multiplied by the quantity bid will determine the extended cost of a line item. **This bid will be awarded to one (1) vendor.**
- M. Shelby County Schools reserves the right to award contracts as deemed to be in its best interest. Shelby County Schools reserves the right to accept or reject any bid in total or in part.
- N. Prices quoted shall be firm for a period of ninety (90) days from date of bid opening.

TERMS AND CONDITIONS: cont'

- O. NON-APPROPRIATION OF FUNDS: Notwithstanding any other provision of this Contract, funds for this Contract are payable from state, federal and or local appropriations. In the event that no funds or insufficient funds are appropriated and budgeted for monetary obligations which would otherwise be due and owing under the terms of this Contract, this Contract shall become null and void. After such termination of this Contract, the Customer shall have no continuing obligation under the terms of this Contract.
- P. The Shelby County Board of Education continues to operate under a procurement initiative for minority and/or women-owned businesses. It is the policy of Shelby County Schools to encourage and promote on an inclusionary basis bidding and contracting opportunities for all individuals and/or organizations, without regard to race, color, national origin, religion, sex, or disability. During the evaluation process or after an award of any project, Shelby County Schools reserves the right to request documentation from any contractor/vendor regarding its minority participation. The school district also has the right to request verification of all "good faith" efforts implemented by the contractor/vendor for the purpose of soliciting minority and women participants on any project.
- Q. Questions regarding bid specifications should be made to Frank Bluestein, GHS-TV Studio, 901.754.4788. Questions relating to purchasing procedures should be addressed to Art Stauffer, Buyer, Shelby County Schools, astauffer@scsk12.org.

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY. Description	Unit Cost	Extension Cost
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Note: Shelby County Schools reserves the right to select or decline any or all Items 1 through 128. Item purchase will be determined by studio requirements, budgetary constraints, technical requirements and what is deemed to be in the best interest of Shelby County Schools. Technical requirements will be determined by compatibility with existing studio equipment, equipment purchased on this bid, and anticipated future equipment purchases.

All items to be provided as specified (No Substitution), with the exception of:

- (A) The Model number in the bid is wrong**
 - (B) The Model is out of Date, and no longer available**
 - (C) The bid item model number is wrong**
 - (D) The bid item will not work correctly with other items on the bid, or in the customer's installation**
- **Items 1 through 29** are for The Ross Video Vision 3 Switcher System with the V3P-001 Control Panel and the QMD2K-003 Live Production Engine Frame.
 - **Items 30 through 62** are for the Ross Video Vision 3 Switcher System with the V3P-001 Control Panel and the QMDX2K-003 Live Production Engine Frame.
 - **Items 63 through 67** are for the Ross Video Vision 4 Switcher System. We will choose one Switcher System and the desired Options that go with that system or some combination of the three Systems. Some of the model numbers are the same in the systems.
 - **Items 68 through 74** are Ross Video Equipment for The Operation and Support of the Ross Video Switcher System.

Note: All Ross Video Vision Switcher System items will be purchased from the same vendor. All Ross Video equipment for the operation and support of the Ross Video Vision Switcher system will be purchased from the same vendor that supplies the Vision Switcher System

1	1	Multi-Definition Switcher Control Panel - Ross Vision 3 V3P-001 Standard Panel Includes: - 32 Crosspoint Buttons on Panel - 3 Multi Level Effects Systems (MLE) - Auto Follow, Industrial grade, Dual System Control Touch Screen, Including adjustable mounting arm and hardware - USB Ports for Keyboard, Mouse, and Media Drives - 32 Custom Control Macro Buttons with 12 Way Shift - On Panel Aux Bus Control - Source Awareness TM Automatic Features - Ross Roll Clip Button in every MLE - 100 Event Memory System - Preview Overlay TM Safe Area/Title and Operator Heads Up Information Display - 36 Fully Assignable Parallel Tally Outputs - Panel Glow User Definable Button Color Themes - Full One Year Transferable Warranty, Lifetime Fader Handle Warranty		
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Item No.	QTY.	Description	Unit Cost	Extension Cost
		- Lifetime Software Updated via Ross Website - Lifetime Telephone Support		
		Manufacturer/Model Number: _____		
2	1	Installation Mounting End Blocks for Ross V3P-001 Control Panel - Ross V3P-501 Allows desktop or console installation of Control Panel at desired operating angle Manufacturer/Model Number: _____	_____	_____
3	1	Redundant Power Supply for Ross V3P-001 Control Panel - Ross V3P-076 Manufacturer/Model Number: _____ Second Power Supply for backup and load sharing Manufacturer/Model Number: _____	_____	_____
4	1	Switcher Live Production Engine 3 MLE Frame - Ross QMD2K-003 Standard Live Production Engine Includes: - Rack Frame Processing Engine, Including all Standard System Boards - Multi-Definition Support for the following Formats: • 525, 625, 1080i 50, 1080i 59.94, 720P 50, 720P 59.94, 1080P 24 • 1080PSF 24, 1080PSF 23.98 • 16 Multi-Definition Serial Digital Inputs, Expandable to 32 or 48 • Up to 4 Multi Level Effects Systems (MLE) - 2 Keyers in Full MLEs, and 2 Keyers in Half MLEs - 2 Ultra Chrome TM Chroma Keyers with Super Fine Keying Quality in every MLE - 3 Channel Global Store with 256MB of Memory (189 Stills in SD, or 30 in HD Mode) - Up to 8 Powerful Pattern Generators, and 8 Complex Wash Generators - Wipes in Program/Preset on Full MLE System - System Configurable to 16 Outputs (Outputs not Included, Must select output option) - Hard Disk Drive for Storing Stills, Animations, and Clips - 100 Event Memory System - FlexiClean TM Assignable Clean Feed Outputs per MLE - Preview Overlay TM Safe Area/Title and Operator Heads Up Information Display - 10 GPI Inputs, and 10 GPI outputs - Chassis is 3 Rack Units in Size - Full 10 Bit Processing in Both HD and SD	_____	_____

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Item No.	QTY.	Description	Unit Cost	Extension Cost
		- 4:3/16:9 Switchable - 10 Meter Control Cable - Comprehensive System Operation and Engineering Manuals Disc for Mac and Windows, and also, Printed Copies of the same Items - Full 1 Year Transferable Warranty - Lifetime Software Updated via Ross Website - Lifetime Telephone Support		
		Manufacturer/Model Number: _____		
5	1	Redundant Power Supply for Ross QMD2K-003 Live Production Engine Frame - Ross QMD-077	_____	_____
		Manufacturer/Model Number: _____		
		Second Power Supply for backup and load sharing	_____	_____
6	1	Sixteen Multi-Definition Assignable Timed Outputs Option for Ross QMD Live, Production Engine Frame - Ross QMD-021 Standard system does not include Outputs.	_____	_____
		Manufacturer/Model Number: _____		
7	1	Eight Additional Assignable Multi-Definition Outputs Option for Ross QMD Live, Production Engine Frame - Ross QMD-021-8	_____	_____
		Manufacturer/Model Number: _____		
8	1	Sixteen Additional Multi-Definition Inputs Option for Ross QMD Live Production, Engine Frame - Ross QMD-020-16	_____	_____
		Manufacturer/Model Number: _____		
9	1	Sixteen Additional Multi-Definition Inputs Plus Analog Reference/Tri Level Sync Input Option - Ross QMD-020R-16	_____	_____
		This board acts as an Emergency Backup to the Primary Reference Input to the QMD2k-003 Live Production Engine Frame. The Frame comes standard with one of these boards		
		Manufacturer/Model Number: _____		

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Item No.	QTY.	Description	Unit Cost	Extension Cost
10	1	MLE 1 Mnemonics Option for Ross Vision 3 Switcher - Ross V3P-105 32 Eight Character Mnemonic Displays for MLE1 Installs above the MLE1 Program Bus, and Displays MLE1 Source Names Manufacturer/Model Number: _____	_____	_____
11	1	MLE 2 Mnemonics Option for Ross Vision 3 Switcher - Ross V3P-205 32 Eight Character Mnemonic Displays for MLE2 Installs above the MLE 2 Program Bus, and Displays MLE 2 Source Names Manufacturer/Model Number: _____	_____	_____
12	1	MLE 3 Mnemonics Option for Ross Vision 3 Switcher - Ross V3P-305 32 Eight Character Mnemonic Displays for MLE 3 Installs above the MLE 3 Program Bus and Displays MLE 3 Source Names Manufacturer/Model Number: _____	_____	_____
13	1	Custom Control Macro Buttons Option Mnemonics for Ross Vision 3 Switcher - Ross V3P-005 32 Eight Character Mnemonic Displays for Custom Control Macro Buttons Installs above the Custom Control Macro Row, and Displays Custom Control Macro Names Manufacturer/Model Number: _____	_____	_____
14	1	Squeeze & Tease MD Carrier Board Option for MLE 1 Through MLE 4 - Ross QMD-140 One QMD-140 Carrier Board required per Switcher System to Support Squeeze & Tease and MD Warp Options for MLE 1 Through MLE 4 Manufacturer/Model Number: _____	_____	_____

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Item No.	QTY.	Description	Unit Cost	Extension Cost
15	1	Migrating Squeeze & Tease MD Channels 1&2 Option for MLE 1 – Ross QMD-141A Includes: - 2 Channels of Multi-Definition 3D DVE for MLE 1 Keyers, and Enables 3D Effects - Has Ability to Fly any Key Type, and includes Preprocessor Effects, such as Defocus, Mosaic, Posterization, Colorization and Strobe, Picture Frame Effect Borders, Lighting and Timeline Sequences, and Wipes - This Option Requires QMD-140 MD Carrier Board (1 Board per Switcher System) - Migrating Channels have the Ability to Float between the Keyers of MLE 1 and MLE 2	_____	_____
		Manufacturer/Model Number: _____		
16	1	Migrating Squeeze & Tease MD Channels 1&2 Option for MLE 2 – Ross QMD-241A Includes: - 2 Channels of Multi-Definition 3D DVE for MLE 2 Keyers, and Enables 3D Effects - Has Ability to Fly any Key Type, and Includes Preprocessor Effects, such as Defocus, Mosaic, Posterization, Colorization and Strobe, Picture Frame Effect Borders, Lighting and Timeline Sequences, and Wipes - This Option Requires QMD-140 MD Carrier Board (1 Board per Switcher System) - Migrating Channels have the Ability to Float between the Keyers of MLE 1 and MLE 2	_____	_____
		Manufacturer/Model Number: _____		
17	1	Migrating Squeeze & Tease MD Channels 1&2 Option for MLE 3 – Ross QMD-341A Includes: - 2 Channels of Multi-Definition 3D DVE for MLE 3 Keyers, and Enables 3D Effects - Has Ability to Fly any Key Type, and includes Preprocessor Effects, such as Defocus, Mosaic, Posterization, Colorization and Strobe, Picture Frame Effect Borders, Lighting and Timeline Sequences, and Wipes - This Option Requires QMD-140 MD Carrier Board (1 Board per Switcher System) - Migrating Channels have the Ability to Float between the Keyers of MLE 3 and MLE 4	_____	_____
		Manufacturer/Model Number: _____		

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2800 GRAYS CREEK DRIVE
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Item No.	QTY.	Description	Unit Cost	Extension Cost
18	1	Migrating Squeeze & Tease MD Warp Option for MLE 1 and MLE 2 - Ross QMD-142 Includes: Adds Multi-Definition Warp Engine 1 Channel of Warp Effects. Includes a Wide Range of Warp Effects The Migrating Channel has the Ability to Float between the Keyers of MLE 1 and MLE 2 This Option Requires Migrating Squeeze & Tease MD Channels 1&2 Manufacturer/Model Number: _____	_____	_____
19	1	Migrating Squeeze & Tease MD Warp Option for MLE 3 and MLE 4 – Ross QMD- 342 Includes: - Adds Multi-Definition Warp Engine 1 Channel of Warp Effects. Includes a Wide Range of Warp Effects - The Migrating Channel has the Ability to Float between the Keyers of MLE 3 and MLE 4 - This Option Requires Migrating Squeeze & Tease MD Channels 1&2 Manufacturer/Model Number: _____	_____	_____
20	1	Auxiliary Control Panel Option for Ross Vision 3 Switcher - Ross V-159-32 Panel gives Quick Access to all 6 Aux Banks and 8 Aux Buses. Each of the 32 Crosspoint Buttons has Clear Source name Mnemonics. Both Primary and Redundant Power Supplies are self contained. Manufacturer/Model Number: _____	_____	_____
21	1	Serial Tally Interface Option for Ross Vision 3 Switcher - Ross QMD-906 This Option Enables the Serial Tally Interface using Industry Standard Protocols to Under Monitor Displays and Tally Systems. The Standard Parallel Tally Interface will continue to operate normally when this Option is Enabled Manufacturer/Model Number: _____	_____	_____
22	1	Monitor Wall Interface Option for Ross Vision 3 Switcher System - Ross QMD-916 Software Option Adds the Ability to Interface Between the Vision 3 Switcher System and a Multi Image Display System. Manufacturer/Model Number: _____	_____	_____

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Item No.	QTY.	Description	Unit Cost	Extension Cost
23	1	Smart Conversion Cross Converter Tie Line Management Software Option - ross QMD-915	_____	_____
		Software is for Control of Up/Down/Cross Conversion of Ross UDC-8225 Cross Converter. Allows Ross Vision 3 Multi-Definition Switcher to Produce an Output Video that uses both SD and HD Inputs Simultaneously. Also allows Cross Conversion between HD Formats		
		Manufacturer/Model Number: _____		
24	1	On Customer Site, Two Day Commissioning, for Ross Vision Switcher System - Ross QMD-093	_____	_____
		Manufacturer/Model Number: _____		
25	1	Two Days On Customer Site Technical Training for Technical Staff – Ross QMD-092	_____	_____
		Manufacturer/Model Number: _____		
26	1	On Customer Site, First Day Operational Training, for Ross Vision Switcher System - Ross QMD-090	_____	_____
		Manufacturer/Model Number: _____		
27	1	On Customer Site, Second Day Operational Training, for Ross Vision Switcher System - QMD-091	_____	_____
		Manufacturer/Model Number: _____		
28	1	Extended Warranty Option for V3P-001 Switcher Control Panel Control Adds One Year - Ross V3P-999	_____	_____
		Manufacturer/Model Number: _____		
29	1	Extended Warranty Option for QMD2K-003 Live Production Engine Frame Adds One Year - Ross QMD-999-3	_____	_____
		Manufacturer/Model Number: _____		

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Item No.	QTY. Description	Unit Cost	Extension Cost
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Items 1 through 29 are for the Ross Video Vision 3 Switcher System with the V3P-001 Control Panel and the QMD2K-003 Live Production Engine Frame. Items 30 through 62 are for the Ross Video Vision 3 Switcher System with the V3P-001 Control Panel and the QMDX2K-003 Live Production Engine Frame. Items 63 through 67 are for the Ross Video Vision 4 Switcher System. We will choose one Switcher System and the desired Options that go with that system, or some combination of the three Systems. Some of the model numbers are the same in the systems. Items 68 through 74 are Ross Video Equipment for the Operation and Support of the Ross Video Switcher System.

Note: All Ross Video Vision Switcher System items will be purchased from the same vendor. All Ross Video equipment for the operation and support of the Ross Video Vision 3 switcher system will be purchased from the same vendor that supplies the Vision Switcher System.

30	1	Multi-Definition Switcher Control Panel – Ross Vision 3 V3P-001		
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Standard Panel Includes:

- 32 Crosspoint Buttons on Panel
- 3 Multi Level Effects Systems (MLE)
- Auto Follow, Industrial grade, Dual System Control Touch Screen, Including adjustable mounting arm and hardware
- USB Ports for Keyboard, Mouse, and Media Drives
- 32 Custom Control Macro Buttons with 12 Way Shift
- On Panel Aux Bus Control
- Source Awareness TM Automatic Features
- Ross Roll Clip Button in every MLE
- 100 Event Memory System
- Preview Overlay TM Safe Area/Title and Operator Heads Up Information Display
- 36 Fully Assignable Parallel Tally Outputs
- Panel Glow User Definable Button Color Themes
- Full One Year Transferable Warranty, Lifetime Fader Handle Warranty
- Lifetime Software Updated via Ross Website
- Lifetime Telephone Support

Manufacturer/Model Number: _____

31	1	Installation Mounting End Blocks for Ross V3P-001 Control Panel - Ross V3P-501 Allows desktop or console installation of Control Panel at desired operating angle		
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Manufacturer/Model Number: _____

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ARLINGTON, TENNESSEE 38002**

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Item No.	QTY.	Description	Unit Cost	Extension Cost
32	1	Redundant Power Supply for Ross V3P-001 Control Panel - Ross V3P-076	_____	_____
		Second Power Supply for backup and load sharing	_____	_____
		Manufacturer/Model Number: _____		
33	1	Switcher Live Production Engine 3 MLE Frame - Ross QMDX2K-003	_____	_____
		Standard Live Production Engine Includes:		
		- Rack Frame Processing Engine, Including all Standard System Boards		
		- Multi-Definition Support for the following Formats:		
		• 525, 625, 1080i 50, 1080i 59.94, 720P 50, 720P 59.94, 1080P 24		
		• 1080PSF 24, 1080PSF 23.98		
		• 16 Multi-Definition Serial Digital Inputs, Expandable to 96		
		• Up to 4 Multi Level Effects Systems (MLE)		
		- 2 Keyers in Full MLEs, and 2 Keyers in Half MLEs		
		- 2 Ultra Chrome TM Chroma Keyers with Super Fine Keying Quality in every MLE		
		- 3 Channel Global Store with 256MB of Memory (189 Stills in SD, or 30 in HD Mode)		
		- Up to 8 Powerful Pattern Generators, and 8 Complex Wash Generators		
		- Wipes in Program/Preset on Full MLE Systems		
		- System Configurable to 48 Outputs (Outputs not Included, Must select output option).		
		- Hard Disk Drive for Storing Stills, Animations, and Clips		
		- 100 Event Memory System		
		- FlexiClean TM Assignable Clean Feed Outputs per MLE		
		- Preview Overlay TM Safe Area/Title and Operator Heads Up Information Display		
		- 10 GPI Inputs, and 10 GPI outputs		
		- Chassis is 8 Rack Units in Size		
		- Full 10 Bit Processing in Both HD and SD Modes		
		- 4:3/16:9 Switchable		
		- 10 Meter Control Cable		
		- Comprehensive System Operation and Engineering Manuals Disc for Mac and Windows, and also, Printed Copies of the same Items		
		- Full 1 Year Transferable Warranty		
		- Lifetime Software Updated via Ross Website		
		- Lifetime Telephone Support		

Manufacturer/Model Number: _____

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Item No.	QTY.	Description	Unit Cost	Extension Cost
34	2	Redundant Power Supply for Ross QMDX2K-003 Live Production Engine Frame - Ross QMDX-077	_____	_____
		Second Power Supply for backup and load sharing	_____	_____
		Manufacturer/Model Number: _____		
35	2	Sixteen Multi-Definition Assignable Timed Outputs Option for Ross QMDX2K-003 Live Production Engine Frame - Ross QMDX-021		
		Standard system does not include Outputs.	_____	_____
		Manufacturer/Model Number: _____		
36	1	Sixteen Additional Multi-Definition Inputs Option for Ross QMDX2K-003 Live Production Engine Frame - Ross QMDX-020	_____	_____
		Manufacturer/Model Number: _____		
37	1	Sixteen Additional Multi-Definition Inputs Plus Analog Reference/Tri Level Sync Input Option for Ross QMDX2K-003 Live Production Engine Frame - Ross QMDX-02R	_____	_____
		This board acts as an Emergency Backup for the Primary Reference Input to the QMDX2K-003 Live Production Engine Frame. The Frame comes Standard with one of these boards		
		Manufacturer/Model Number: _____		
38	1	MLE 1 Mnemonics Option for Ross Vision 3 Switcher – Ross V3P-105	_____	_____
		32 Eight Character Mnemonic Displays for MLE1 Installs above the MLE1 Program Bus, and Displays MLE1 Source Names		
		Manufacturer/Model Number: _____		
39	1	MLE 2 Mnemonics Option for Ross Vision 3 Switcher – Ross V3P-205	_____	_____
		32 Eight Character Mnemonic Displays for MLE2 Installs above the MLE 2 Program Bus, and Displays MLE 2 Source Names		
		Manufacturer/Model Number: _____		

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Item No.	QTY.	Description	Unit Cost	Extension Cost
40	1	MLE 3 Mnemonics Option for Ross Vision 3 Switcher – Ross V3P-305 32 Eight Character Mnemonic Displays for MLE 3 Installs above the MLE 3 Program Bus and Displays MLE 3 Source Names Manufacturer/Model Number: _____	_____	_____
41	1	Custom Control Macro Buttons Option Mnemonics for Ross Vision 3 Switcher - Ross V3P-005 32 Eight Character Mnemonic Displays for Custom Control Macro Buttons Installs above the Custom Control Macro Row, and Displays Custom Control Macro Names Manufacturer/Model Number: _____	_____	_____
42	1	Squeeze & Tease MD Carrier Board Option for MLE 1 and MLE 2 - Ross QMDX-140 One QMDX-140 MD Carrier Board required per Switcher System to Support Squeeze & Tease and MD Warp Options for MLE 1 and MLE 2 Manufacturer/Model Number: _____	_____	_____
43	1	Squeeze & Tease MD Carrier Board Option for MLE 3 and MLE 4 – Ross QMDX-340 One QMDX-340 MD Carrier Board required per Switcher System to Support Squeeze & Tease and MD Warp Options for MLE 3 and MLE 4 Manufacturer/Model Number: _____	_____	_____
44	1	Migrating Squeeze & Tease MD Channels 1&2 Option for MLE 1 – Ross QMDX-141A Includes: - 2 Channels of Multi-Definition 3D DVE for MLE 1 Keyers, and Enables 3D Effects - Has Ability to Fly any Key Type, and includes Preprocessor Effects, such as Defocus, Mosaic, Posterization, Colorization and Strobe, Picture Frame Effect Borders, Lighting and Timeline Sequences, and Wipes - This Option Requires QMDX-140 MD Carrier Board (Only one QMDX- 140 MD Carrier Board required for MLE 1 and MLE 2) - Migrating Channels have the Ability to Float between the Keyers of MLE 1 and MLE 2 Manufacturer/Model Number: _____	_____	_____

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
45	1	Migrating Squeeze & Tease MD Channels 3&4 Option for MLE 1 – Ross QMDX-141B Includes: - 2 Channels of Multi-Definition 3D DVE for MLE 1 Keyers, and Enables 3D Effects - Has Ability to Fly any Key Type, and includes Preprocessor Effects, such as Defocus, Mosaic, Posterization, Colorization and Strobe, Picture Frame Effect Borders, Lighting and Timeline Sequences, and Wipes - This Option Requires QMDX-140 MD Carrier Board (Only one QMDX-140 MD Carrier Board required for MLE 1 and MLE 2) - Migrating Channels have the Ability to Float between the Keyers of MLE 1 and MLE 2	_____	_____
Manufacturer/Model Number: _____				
46	1	Migrating Squeeze & Tease MD Channels 1&2 Option for MLE 2 – Ross QMDX-241A Includes: - 2 Channels of Multi-Definition 3D DVE for MLE 2 Keyers, and Enables 3D Effects - Has Ability to Fly any Key Type, and Includes Preprocessor Effects, such as Defocus, Mosaic, Posterization, Colorization and Strobe, Picture Frame Effect Borders, Lighting and Timeline Sequences, and Wipes - This Option Requires QMDX-140 MD Carrier Board (Only one QMDX-140 MD Carrier Board required for MLE 1 and MLE 2) - Migrating Channels have the Ability to Float between the Keyers of MLE 1 and MLE 2	_____	_____
Manufacturer/Model Number: _____				
47	1	Migrating Squeeze & Tease MD Channels 3&4 Option for MLE 2 – Ross QMDX-241B Includes: - 2 Channels of Multi-Definition 3D DVE for MLE 2 Keyers, and Enables 3D Effects - Has Ability to Fly any Key Type, and Includes Preprocessor Effects, such as Defocus, Mosaic, Posterization, Colorization and Strobe, Picture Frame Effect Borders, Lighting and Timeline Sequences, and Wipes - This Option Requires QMDX-140 MD Carrier Board (Only one QMDX-140 MD Carrier Board for MLE 1 and MLE 2) - Migrating Channels have the Ability to Float between the Keyers of MLE 1 and MLE 2	_____	_____
Manufacturer/Model Number: _____				

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
48	1	Migrating Squeeze & Tease MD Channels 1&2 Option for MLE 3 – Ross QMDX-341A Includes: - 2 Channels of Multi-Definition 3D DVE for MLE 3 Keyers, and Enables 3D Effects - Has Ability to Fly any Key Type, and includes Preprocessor Effects, such as Defocus, Mosaic, Posterization, Colorization and Strobe, Picture Frame Effect Borders, Lighting and Timeline Sequences, and Wipes - This Option Requires QMDX-340 MD Carrier Board (Only one QMDX-340 MD Carrier Board required for MLE 3 and MLE4) - Migrating Channels have the Ability to Float between the Keyers of MLE 3 and MLE 4	_____	_____
Manufacturer/Model Number: _____				
49	1	Migrating Squeeze & Tease MD Channels 3&4 Option for MLE 3 – Ross QMDX-341B Includes: - 2 Channels of Multi-Definition 3D DVE for MLE 3 Keyers, and Enables 3D Effects - Has Ability to Fly any Key Type, and includes Preprocessor Effects, such as Defocus, Mosaic, Posterization, Colorization and Strobe, Picture Frame Effect Borders, Lighting and Timeline Sequences, and Wipes - This Option Requires QMDX-340 MD Carrier Board (Only one QMDX-340 MD Carrier Board required for MLE 3 and MLE 4) - Migrating Channels have the Ability to Float between the Keyers of MLE 3 and MLE 4	_____	_____
Manufacturer/Model Number: _____				
50	1	Migrating Squeeze & Tease MD Warp Option for MLE 1 – Ross QMDX-142 Includes: - Adds Multi-Definition Warp Engine 1 Channel of Warp Effects. Includes a Wide Range of Warp Effects - The Migrating Channel has the Ability to Float between the Keyers of MLE 1 and MLE2 - This Option Requires Migrating Squeeze & Tease MD Channels 1&2 and QMDX-140 MD Carrier Board (Only one QMDX-140 MD Carrier Board required for MLE 1 and MLE 2)	_____	_____
Manufacturer/Model Number: _____				

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
51	1	Migrating Squeeze & Tease MD Warp Option for MLE 2 – Ross QMDX-242 Includes: - Adds Multi-Definition Warp Engine 1 Channel of Warp Effects. Includes a Wide Range of Warp Effects - The Migrating Channel has the Ability to Float between the Keyers of MLE 1 and MLE 2 - This Option Requires Migrating Squeeze & Tease MD Channels 1&2 and Carrier Board QMDX-140 (Only one QMDX-140 MD Carrier board required for MLE 1 and MLE 2) Manufacturer/Model Number: _____	_____	_____
52	1	Migrating Squeeze & Tease MD Warp Option for MLE 3 – Ross QMDX-342 Includes: - Adds Multi-Definition Warp Engine 1 Channel of Warp Effects. Includes a Wide Range of Warp Effects - The Migrating Channel has the Ability to Float between the Keyers of MLE3 and MLE 4 - This Option Requires Migrating Squeeze & Tease MD Channels 1&2 and MD Carrier Board QMDX-340 (Only one QMDX-340 MD Carrier board required for MLE 3 and MLE4) Manufacturer/Model Number: _____	_____	_____
53	1	Auxiliary Control Panel Option for Ross Vision 3 Switcher – Ross V-159-32 Panel gives Quick Access to all 6 Aux Banks and 8 Aux Buses. Each of the 32 Crosspoint Buttons has Clear Source name Mnemonics. Both Primary and Redundant Power Supplies are self contained. Manufacturer/Model Number: _____	_____	_____
54	1	Serial Tally Interface Option for Ross Vision 3 Switcher – Ross QMDX-906 This Option Enables the Serial Tally Interface using Industry Standard Protocols to Under Monitor Displays and Tally Systems. The Standard Parallel Tally Interface will continue to operate normally when this Option is Enabled	_____	_____

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
55	1	Monitor Wall Interface Option for Ross Vision 3 Switcher System – Ross QMDX-916 Software Option Adds the Ability to Interface Between the Vision 3 Switcher System and a Multi Image Display System. Manufacturer/Model Number: _____	_____	_____
56	1	Smart Conversion Cross Converter Tie Line Management Software Option - Ross QMDX-915 Software is for Control of Up/Down/Cross Conversion of Ross UDC-8225 Cross Converter. Allows Ross Vision 3 Multi-Definition Switcher to produce an Output Video that uses both SD and HD Simultaneously. Also allows Cross Conversion between HD Formats. Manufacturer/Model Number: _____	_____	_____
57	1	On Customer Site, Two Day Commissioning, for Ross Vision 3 Switcher System - Ross QMDX-093 Manufacturer/Model Number: _____	_____	_____
58	1	On Customer Site, Two Day Technical Training, for Technical Staff – Ross QMDX-092 Manufacturer/Model Number: _____	_____	_____
59	1	On Customer Site, First Day Operational Training, for Ross Vision 3 Switcher System - Ross QMDX-090 Manufacturer/Model Number: _____	_____	_____
60	1	On Customer Site, Second Day Operational Training, for Ross Vision 3 Switcher System - QMDX-091 Manufacturer/Model Number: _____	_____	_____
61	1	Extended Warranty Option for V3P-001 Switcher Control Panel Control - Adds one year - Ross V3P-999 Manufacturer/Model Number: _____	_____	_____

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
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62	1	Extended Warranty Option for QMDX2K-003 Live Production Engine. Adds One year - Ross QMDX-999-3	_____	_____
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Manufacturer/Model Number: _____

Items 1 through 29 are for the Ross Video Vision 3 Switcher System with the V3P-001 Control Panel and the QMD2K-003 Live Production Engine Frame. Items 30 through 62 are for the Ross Video Vision 3 Switcher System with the V3P-001 Control Panel and the QMDX2K-003 Live Production Engine Frame. Items 63 through 67 are for the Ross Video Vision 4 Switcher System. We will choose one Switcher System and the desired Options that go with that system, or some combination of the three Systems. Some of the model numbers are the same in the systems. Items 68 through 74 are Ross Video Equipment for the Operation and Support of the Ross Video Switcher System.

Note: All Ross Video Vision Switcher System items will be purchased from the same vendor. All Ross Video equipment for the operation and support of the Ross Video Vision 3 switcher system will be purchased from the same vendor that supplies the Vision Switcher System.

63	1	Multi-Definition 4 MLE Switcher Control Panel – Ross Vision V4P-001	_____	_____
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Standard Panel Includes:

- 40 Crosspoint Buttons on Panel
- 4 Multi Level Effects Systems (MLE)
- Auto Follow, Industrial Grade, Dual System Control Touch Screen
- USB Ports for Keyboard, Mouse, and Media Drives
- 40 Custom Control Macro Buttons with 12 Way Shift
- On Panel Aux Bus Control
- Source Awareness TM Automatic Features
- Unique Ross Roll Clip Button in every MLE
- 100 Event Memory System
- Preview Overlay TM safe Area/Title and Operator Heads Up Information Display
- 36 Fully Assignable Parallel Tally Outputs
- Panel Glow User Definable Button Color Themes
- Full 1 Year Transferable Warranty, Lifetime Fader Handle Warranty
- Lifetime Software Updated via Ross Website
- Lifetime Telephone Support

Manufacturer/Model Number: _____

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
64	1	Installation Mounting End Blocks for Ross V4P-001 Control Panel - Ross V4P-501	_____	_____
		Allows desktop or console installation of Control Panel at desired operating angle		
		Manufacturer/Model Number: _____		
65	1	Redundant Power Supply for Ross V4P-001 Control Panel – Ross V4P-076	_____	_____
		Second Power Supply for backup and load sharing	_____	_____
		Manufacturer/Model Number: _____		
66	1	Switcher Live Production Engine 4 MLE Frame - Ross QMD2K-004	_____	_____
		Standard Live Production Engine Includes:		
		- Rack Frame Processing Engine, Including all Standard System Boards		
		- Multi-Definition Support for the following Formats:		
		• 525, 625, 1080i 50, 1080i 59.94, 720P 50, 720P 59.94, 1080P 24		
		• 1080PSF 24, 1080PSF 23.98		
		• 16 Multi-Definition Serial Digital Inputs, Expandable to 32 or 48		
		• Up to 4 Multi Level Effects Systems (MLE)		
		• 2 Keyers in Full MLEs, and 2 Keyers in Half MLEs		
		- 2 Ultra Chrome TM Chroma Keyers with Super Fine Keying Quality in every MLE		
		- 3 Channel Global Store with 256MB of Memory (189 Stills in SD, or 30 in HD Mode)		
		- Up to 8 Powerful Pattern Generators, and 8 Complex Wash Generators		
		- Wipes in Program/Preset on Full MLE System		
		- System Configurable to 16 Outputs (Outputs not Included, Must select output option)		
		- Hard Disk Drive for Storing Stills, Animations, and Clips		
		- 100 Event Memory System		
		- FlexiClean TM Assignable Clean Feed Outputs per MLE		
		- Preview Overlay TM Safe Area/Title and Operator Heads Up Information Display		
		- 10 GPI Inputs, and 10 GPI outputs		
		- Chassis is 3 Rack Units in Size		
		- Full 10 Bit Processing in Both HD and SD		
		- 4:3/16:9 Switchable		
		- 10 Meter Control Cable		

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
		- Comprehensive System Operation and Engineering Manuals Disc for Mac and Windows, and also, Printed Copies of the same Items - Full 1 Year Transferable Warranty - Lifetime Software Updated Via Ross Website - Lifetime Telephone Support		
		Manufacturer/Model Number: _____		
67	1	Redundant Power Supply for Ross QMD2K-004 Frame – Ross QMD-077	_____	_____
		Second Power Supply for Backup and Load sharing	_____	_____
Items 68 through 74 are Ross Video Open Gear Frames, Distribution Amplifiers, Down Converters, Up Converters, and Cross Converters. These Items are Support Equipment for the Ross Video Vision Switcher System.				
Note: If selected, these items will be purchased from the same vendor that supplies the Ross Video Vision Switcher System.				
		Manufacturer/Model Number: _____		
68	2	Ross Open Gear Frame DFR-8310-C with BNC Outputs and Cooling Assembly Ross QMD-024-C (\$1 Deal)	_____	_____
		Software is for control of Up/Down/Cross Conversion of Ross UDC-8225 Cross Converter. Allows Ross Vision 3 Multi-Definition Switcher to produce an output video that uses both SD and HD Inputs simultaneously Ross QMD-024-C is the \$1 Open Gear Frame Deal when Purchasing a Switcher. This number is without the Cooling Assembly, and the Cooling Assembly will be extra. Include the Cooling Assembly, which would be the above DFR-8310-C Frame with BNC Outputs.		
		Manufacturer/Model Number: _____		
69	2	Rear Support Bus and Bracket for Ross DFR-8310-C Open Gear Frame - Ross FSB-8310	_____	_____
		Manufacturer/Model Number: _____		

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
70	1	Redundant Power Supply for Ross DFR-8310-C Open Gear Frame - Ross PS-8300	_____	_____
		Second Power Supply for backup and load sharing	_____	_____
		Manufacturer/Model Number: _____		
71	4	Multi-Definition Cross Converter for Ross DFR-8310-C Open Gear Frame - Ross UDC-8225A	_____	_____
		The board converts HD to SD and SD to HD. It also Cross Converts between different HD Formats. It is controlled by the Ross Video Vision 3 Switcher System through the QMD-915 Smart Conversion Cross Converter Tie Line Management Software Option		
		Manufacturer/Model Number: _____		
72	1	HD Down Converter and Distribution Amplifier - Ross HDC-8222	_____	_____
		The board is an HD Distribution Amplifier and Down Converter with Configurable Analog Composite or SDI Digital Outputs with 4:3/16:9 Aspect Ratio Capability.		
		Manufacturer/Model Number: _____		
73	2	HD/SD SDI Distribution Amplifier - Ross SRA-8201A	_____	_____
		The board is a 1 Input / 8 Output Reclocking HD/SD SDI Distribution Amplifier with Equalization.		
		Manufacturer/Model Number: _____		
74	1	Analog Video Distribution Amplifier - Ross VEA-8007	_____	_____
		The board is a 1 Input / 8 Output Distribution Amplifier with Equalization for Distribution of Tri Level Sync.		
		Manufacturer/Model Number: _____		

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY. Description	Unit Cost	Extension Cost
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**Items 75 through 79 are for the Ross Video Multi-Definition, 12 Input, Crossover Switcher.
Items 80 through 86 are for the Ross Video Standard Definition, 12 Input, Crossover Switcher.
If selected, we will choose one system with the desired options.**

Note: All items for the Multi-Definition, or the Standard Definition Crossover Switchers will be supplied by the same vendor.

75	1	Multi-Definition, 12 Input, 1 MLE, Live Production Switcher – Ross CPS-1012-001 Standard System Includes: - Crossover 12, 1 MLE Live Production Switcher Rack Frame • Processing Engine and 12 Source Button Panel including • All Standard System Boards - Multi-Definition Support for any of the following Formats: • 525,625,1080i 50, 1080i 59.94, 720P 50, 720P 59.94 - 12 Multi-Definition Serial Digital Inputs - 1 reference Input with 3 Adjustable Reference Outputs - 1 Multi Level Effects System (MLE) - 3 Keyers in the MLE - 1 Ultra Chrome TM Chroma Keyer with Super Fine Keying - Quality in the MLE Keyer • 2 Channel Animation Store with 4GB - 4 Channel Format Scalar and Frame Sync - 2 Channel 2D DVE for 2D Picture in Picture Boxes or 2D - DVE Transitions • 1 Powerful Pattern Generator and 1 Complex Wash Generator - Wipes and Masks with Soft Edge Borders - 7 Outputs: 3 Aux Bus HD/SD-SDI, 2 PGM HD/SD-SDI, - 1 PVW HD/SD-SDI, 1 User Assignable Composite • 10 Event Memory System - FlexiClean TM Assignable Clean Feed Output Selectable on - Aux Bus, or User Assignable Analog Output - User Configurable GPI/O connections - 8 Tallies - 2 Rack Unit Chassis - Full10 Bit Processing in both HD and SD Modes - 4:3/16:9 Switchable Aspect Ratio - 10 Meter Control Panel Cable - Comprehensive System Operation and Engineering Manuals Disc • For Mac and Windows, and also, Printed Copies of the same Items - Full 1 Year Transferable Warranty - Lifetime Software Updated via Ross Website - Lifetime Telephone Support		
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Manufacturer/Model Number: _____

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
76	1	Redundant Power for Frame and Panel for Ross Crossover Switcher CPS-1012-001 - Ross CPS-REDPSU-EXT	_____	_____
		Additional PSU External Brick Type Power Supplies for Load Sharing and Backup (1 for Frame, and 1 for Panel)	_____	_____
		Manufacturer/Model Number: _____		
77	1	Rack Mounting Kit for In Desk or Console Mounting of Ross Crossover Switcher CPS-1012-001 Control Panel - Ross CPS-INDESK	_____	_____
		Manufacturer/Model Number: _____		
78	1	One (1) Day On Site Operational Training for Ross Crossover Switcher CPS-TRAIN-1 DAY	_____	_____
		Manufacturer/Model Number: _____		
79	1	Extended Warranty Option for Crossover Switcher - Ross CPS-999	_____	_____

**Items 75 through 79 are for the Ross Video Multi-Definition, 12 Input, Crossover Switcher.
Items 80 through 86 are for the Ross Video Standard Definition, 12 Input, Crossover Switcher.
If selected, we will choose one system with the desired options.**

Note: All items for the Multi-Definition or the Standard Definition Crossover Switchers will be supplied by the same vendor.

80	1	Standard Definition, 12 Input, 1 MLE, Live Production Switcher – Ross CPSSD-1012-001	_____	_____
		Standard System Includes:		
		- Crossover 12, 1 MLE Live Production Switcher Rack Frame		
		• Processing Engine and 12 Source Button Panel including		
		• All Standard System Boards		
		- Multi-Definition Support for any of the following Formats:		
		• 525, 625 in both 4:3 and 16:9 Formats		
		- 12 Multi-Definition Serial Digital Inputs		
		- 1 reference Input with 3 Adjustable Reference Outputs		
		- 1 Multi Level Effects System (MLE)		
		- 3 Keyers in the MLE		
		- 1 Ultra Chrome TM Chroma Keyer with Super Fine Keying		
		- Quality in the MLE Keyer		
		• 2 Channel Animation Store with 4GB		
		- 4 Channel Format Scalar and Frame Sync		
		- 2 Channel 2D DVE for 2D Picture in Picture Boxes or 2D		

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
		- DVE Transitions • 1 Powerful Pattern Generator and 1 Complex Wash Generator - Wipes and Masks with Soft Edge Borders - 7 Outputs: 3 Aux Bus HD/SD-SDI, 2 PGM HD/SD-SDI, - 1 PVW HD/SD-SDI, 1 User Assignable Composite • 10 Event Memory System - FlexiClean TM Assignable Clean Feed Output Selectable on - Aux Bus, or User Assignable Analog Output - User Configurable GPI/O connections - 8 Tallies - 2 Rack Unit Chassis - Full10 Bit Processing in both HD and SD Modes - 4:3/16:9 Switchable Aspect Ratio - 10 Meter Control Panel Cable - Comprehensive System Operation and Engineering Manuals Disc • For Mac and Windows, and also, Printed Copies of the same Items - Full 1 Year Transferable Warranty - Lifetime Software Updated via Ross Website - Lifetime Telephone Support		
		Manufacturer/Model Number: _____		
81	1	Redundant Power for Frame and Panel for Ross Crossover Switcher CPSSD-1012-001 - Ross CPS-REDPSU-EXT	_____	_____
		Additional PSU External Brick Type Power Supplies for Load Sharing and Backup (1 for Frame, and 1 for Panel)	_____	_____
		Manufacturer/Model Number: _____		
82	1	In Desk or in Rack Mounting Kit for Ross Crossover Switcher CPSSD-1012-001 - Ross CPS-INDESK	_____	_____
		Manufacturer/Model Number: _____		
83	1	One (1) Day On Site Operational Training for Ross Crossover Switcher CPSSD-TRAIN-1 DAY	_____	_____
		Manufacturer/Model Number: _____		
84	1	Extended Warranty Option for Crossover Standard Definition Switcher - Ross CPS-999	_____	_____
		Manufacturer/Model Number: _____		

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
85	1	Multi-Definition Upgrade for Ross Crossover Standard Definition Switcher CPSSD-1012-001 - Ross CPSSD-1012-HDUPG	_____	_____
		Upgrades Ross Standard Definition Switcher CPSSD-1012-001 to Multi-Definition Switcher. Includes 4 Channel Format Scalar and Frame Sync	_____	_____
		Manufacturer/Model Number: _____		
86	1	Analog I/O Pack for SD signals for Ross CPSSD-1012-001 Standard Definition Switcher - Ross CPS-ANALOG101	_____	_____
		Adds Analog Outputs/Inputs for Ross Standard Definition Switcher Adds 1 DAC-9013 for PGM Analog Out. Adds 4 ADC-9033 for Analog Inputs Supports Analog Formats: RGB/Y PB Pr, or YC/CVBS		
		Manufacturer/Model Number: _____		
Items 87 through 94 are For The Miranda Kaleido-X16 Series Multi-Definition, Multi Image Monitor Wall				
Note: If selected, all Miranda items will be purchased from the same vendor.				
87	1	Multi Image/Multi-Definition Monitor wall Processor with Dual Outputs - Miranda Kaleido-X16-D	_____	_____
		The Processor has 16 Multi-Definition Inputs, capable of accepting HD, SD, SDI, and Analog video, and displaying all 16 Inputs on the screen at the same time. The Processor has Dual HDMI Outputs. Two Multi-Definition Output Channels are displayed on two Flat Screen LCD Televisions with HDMI Inputs.		
		Manufacturer/Model Number: _____		
88	1	HD/SDI Monitoring Output Option for Kaleido-X-16-D - Miranda KXS-X16-HDM-D	_____	_____
		Dual BNC Outputs for HD/SDI	_____	_____
		Manufacturer/Model Number: _____		
89	1	16 AES Audio Input Option for Multi Image/Multi-Definition Monitor wall Processor Kaleido-X16-D – Kaleido Kaledio-ABT-64D/110/75	_____	_____
		Manufacturer/Model Number: _____		

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
90	1	Multi Image/Multi-Definition Monitor Wall Processor with Single Output - Miranda Kaleido-X16-S	_____	_____
The Processor has 16 Multi-Definition Inputs, capable of accepting HD, SD, SDI, and Analog Video, and displaying all 16 Inputs on the screen at the same time. The Processor has a Single Channel HDMI Output. One Multi-Definition Output Channel is displayed on an LCD Flat Screen HDTV with HDMI input. Manufacturer/Model Number: _____				
91	2	Redundant Power Supplies for Miranda Kaleido-X16-D and Kaleido-X-16-S Multi Image/Multi-Definition Monitor Wall Processors – Miranda KXA-X16-PSU	_____	_____
Second Power Supply for backup and load sharing Manufacturer/Model Number: _____				
92	1	Dual Router Output Option for Miranda Kaleido-X16-D Multi Image/Multi Definition Monitor Wall Processor – Miranda KXS-X16-RTR16X2	_____	_____
16 Input x 2 Output Routing Switcher Option for Multi Image/Multi-Definition Monitor Wall Processor - Miranda KXS-X16-RTR16X2 Manufacturer/Model Number: _____				
93	2	Ethernet Remote Control Panel and KM Gateway for Kaleido-X16-D and Kaleido X-16-S Multi Image/Multi-Definition Monitor Wall Processors - Miranda Kaleido-RCP2	_____	_____
Manufacturer/Model Number: _____				
94	1	Ross Synergy Switcher Tally Interface for Miranda Kaleido-X16-D Multi Image/Multi-Definition Monitor Wall Processor – Miranda KXS-Tally-Synergy	_____	_____
Manufacturer/Model Number: _____				

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
Items through 95 through 99 are for the Sony LCD Flat Screen HDTV				
Note: If selected, all items will be supplied by the same vendor				
95	1	LCD Flat Screen High Definition Television - Sony Bravia KDL-40V5100 Includes: - Full HD 1080p Resolution - Motion Flow TM 120HZ Refresh Rate - Bravia Engine TM2 with 50,000:1 Dynamic Contrast Ratio - Bravia Link Ready - 7 HD Inputs (Including HDMI Input) Manufacturer/Model Number: _____	_____	_____
96	2	Wall Mount Option for Sony Bravia KDL-40V5100 HDTV and KDL-46V5100 HDTV - Sony SU-WL500 Manufacturer/Model Number: _____	_____	_____
97	2	Under Installation Stand Mount Option for Sony Bravia KDL-40V5100 HDTV Manufacturer/Model Number: _____		
98	2	LCD Flat Screen High Definition Television - Sony Bravia KDL-46V5100 Includes: - Full HD 1080p Resolution - Motion Flow TM 120HZ Refresh Rate - Bravia Engine TM2 with 50,000:1 Dynamic Contrast Ratio - Bravia Link Ready - 7 HD Inputs (Including HDMI Input) Manufacturer/Model Number: _____	_____	_____
99	2	Under Installation Stand Mount Option for Sony Bravia KDL-46V5100	_____	_____

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
Items 100 through 103 are for Wall Mounts and a Stand Mount for the Sony Bravia 40" and 46" LCD Flat Screen HDTV				
Note: If selected, all items will be supplied by the same vendor				
100	2	Universal Full Motion Wall Mount for Sony Bravia 40" and 46" LCD Flat Screen HDTV - Sanus VMAA26	_____	_____
		For 30" to 50" Flat Screen LCD TV's - Extends 26" from wall	_____	_____
		Manufacturer/Model Number: _____		
101	2	Universal Full Motion Wall Mount for Sony Bravia 40" and 46" LCD Flat Screen HDTV - Sanus LRF118	_____	_____
		For 30" to 50" Flat Screen LCD TV's - Extends 17" from wall		
		Manufacturer/Model Number: _____		
102	2	Universal Full Motion Wall Mount for Sony Bravia 40" and 46" LCD Flat Screen HDTV - Sanus VMSA		
		For 30" to 50" Flat Screen LCD TV's - Extends 9.5" from wall		
		Manufacturer/Model Number: _____		
103	2	LCD Flat Screen/Plasma HDTV Stand - Sanus PFFP	_____	_____
		Manufacturer/Model Number: _____		

Items 104 through 108 are for the Evertz Master Sync Pulse Generator / Master Clock System

Note: If selected, all Evertz items will be purchased from the same vendor

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
104	1	Master Sync Pulse Generator / Master Clock Generator System for a Television Studio Control Room with a mixture of HD, SD, SDI, and Analog Videos, with a mixture of Analog, and AES Digital Audio – Evertz 5600MSC	_____	_____
Includes:				
- The Evertz 5600 MSC is a Tri Level Sync Generator. The Sync Pulse Generator - Provides two Banks of three Timed Outputs each. These six BNC Outputs can be configured to provide six Independently Timed Black Outputs, or six Independently Timed HDTV Tri Level Sync Outputs, or three of each type				
Manufacturer/Model Number: _____				
105	1	Redundant Power Supply Option for Evertz 5600MSC Master Sync Pulse Generator / Master Clock Generator - Evertz 5600MSC + 2PS	_____	_____
Second Power Supply For Backup and Load Sharing			_____	_____
Manufacturer/Model Number: _____				
106	1	NTSC/PAL /SDI/Audio Test Signal Generator Option for Evertz 5600MSC Master Sync Generator / Master Clock Generator – Evertz 5600 + STG	_____	_____
The STG Option provides a Composite Analog Output Test Signal, two SDI Test Signal Outputs, and two SDI black Outputs. The Audio Outputs are AES and Balanced Analog, and a Digital Audio Reference Output (DARS)				
Manufacturer/Model Number: _____				
107	1	High Definition Test Generator Option for Evertz 5600MSC Master Sync Pulse Generator /Master Clock Generator - Evertz 5600MSC + HTG	_____	_____
The HTG Option provides two High Definition Test Signal Outputs, and two HD SDI Black Outputs				
Manufacturer/Model Number: _____				
108	1	Word Clock Generator Output Option for Evertz 5600MSC Master Sync Pulse Generator / Master Clock Generator - Evertz 5600MSC +WC	_____	_____
The Option provides one Word Clock Pulse Output				
Manufacturer/Model Number: _____				

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY. Description	Unit Cost	Extension Cost
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Item 109 is for the AJA Video Systems FS1 Frame Synchronizer/Converter

109	1 HD/SD Audio/Video Frame Synchronizer and Converter for Synchronizing Multi-Definition Video with Audio to Achieve Proper Lip Sync - AJA Video Systems FS1	_____	_____
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The FS1 Supports virtually any Input or Output, Analog or Digital, HD or SD. The FS1 can up convert and down convert between SD and HD and also provides Simultaneous HD and SD Outputs. Up and down Cross Conversion between Formats is also Supported. The FS1 supports 8 Channel AES, Balanced Analog and Embedded Audio with full flexibility and Audio Processing Controls. Redundant Power Supplies are Standard

Manufacturer/Model Number: _____

Items 110 through 115 are for the Harris InfoCaster Premium Player (not SE or LE)

Note: If selected, all items will be purchased from the same vendor

110	1 Software for Harris InfoCaster - Harris Creation Station INCS	_____	_____
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Manufacturer/Model Number: _____

111	1 Software for Harris InfoCaster - Harris Network Manager INC-NM	_____	_____
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Manufacturer/Model Number: _____

112	1 Software for Harris InfoCaster – Harris InfoCaster Premium Player Manager INCS-PL	_____	_____
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Manufacturer/Model Number: _____

113	2 Computer for Harris InfoCaster - Harris Rack mount Computer INCSR-2100	_____	_____
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Manufacturer/Model Number: _____

114	1 Training DVD For Harris InfoCaster - Harris INC-TRN	_____	_____
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Manufacturer/Model Number: _____

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
115	1	Harris on site training – Harris ONSIT		
		Manufacturer/Model Number: _____		
		Item 116 is a Camcorder Battery		
116	6	Battery for Panasonic AJD-700 Camcorder - Anton Bauer H50 Digital HyTron 50 Nickel Metal Hydride Battery 14.4V/50 WH		
		Manufacturer/Model Number: _____		
		Items 117 through 119 are Software Upgrades on Computers in existing Avid Edit Suites		
		Note: If selected, all items will be purchased from the same vendor.		
117	4	Adobe Creative Suite 4 Production Premium Upgrade for Windows (Education)		
		Includes:		
		- Adobe After Effects CS4		
		- Adobe Premiere Pro CS4		
		- Adobe Photoshop CS4 Extended		
		- Adobe Flash CS4 Professional		
		- Adobe Illustrator CS4		
		- Adobe Sound Booth CS4		
		- Adobe On Location CS4		
		- Adobe Encore CS4		
		- Adobe Bridge CS4		
		- Adobe Device Central CS4		
		Manufacturer/Model Number: _____		
118	4	Boris Box Set On DVD for Windows		
		Includes:		
		- RED: Integrated 3D/2D Compositing, Titling, and Effects		
		- Blue: Real-Time 3D Compositing and Motion Graphics		
		- BCC AE: 180 Native Filters and Transitions for Adobe		
		- FEC AE: 100+ Native Filters and Transitions for Adobe		
		- FEC AVX: 100+ Native Filters and Transitions for Avid		
		- Title Toolkit: Dynamic Titling Plug-ins for Adobe After Effects		
		Manufacturer/Model Number: _____		

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
119	4	Trapcode Suite 2008.5 for Windows Includes: - Trapcode 3D Stroke - Trapcode Echospace - Trapcode Form - Trapcode Horizon - Trapcode Lux - Trapcode Particular - Trapcode Shine - Trapcode Sound Keys - Trapcode Starglow	_____	_____
		Manufacturer/Model Number: _____		
Items 120 through 124 are for the Libec Tripod System.				
Note: If selected, all items will be purchased from the same vendor.				
120	2	Camera Tripod - Libec LS-60M (2C) Tripod with Fluid Head and Load Bearing capability of 28.5LB	_____	_____
		Manufacturer/Model Number: _____		
121	2	Dolly for Libec LS-60M (2C) Tripod - Libec DL-3	_____	_____
		Manufacturer/Model Number: _____		
122	2	Second Pan Bar for Libec LS-60 (2C) Tripod - Libec PH-3S	_____	_____
		Manufacturer/Model Number: _____		
123	2	Studio Lens Kit to go with Libec LS-60M (2C) Tripod System – Fujinon MS-11	_____	_____
		Manufacturer/Model Number: _____		

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
124	1	Track Rail System with Dolly and Transport Case - Libec TR320	_____	_____
		Manufacturer/Model Number: _____		
Items 125 through 127 are for an Audio Leveler				
Note: If selected, all items will be purchased from the same vendor.				
125	1	Four Channel audio Leveler Loudness manager - Linear Acoustics LA-5100-TV	_____	_____
		Manufacturer/Model Number: _____		
126	1	HD/SD/SDI Audio I/O option for Linear Acoustic LA-5100-TV – Linear Acoustics Opt.01	_____	_____
		Manufacturer/Model Number: _____		
127	1	Dual Power Supply for Linear Acoustics LA-5100-TV – Linear Acoustics Opt.04	_____	_____

**SHELBY COUNTY SCHOOLS
PURCHASING DEPARTMENT
2800 GRAYS CREEK DRIVE
ARLINGTON, TENNESSEE 38002**

BID SHEET

Item No.	QTY.	Description	Unit Cost	Extension Cost
Item 128 is an LCD Flat Screen Television/Monitor				
Manufacturer/Model Number: _____				
128	1	LCD Flat Screen 16" HDTV/Monitor - Viewsonic N1630W High Definition Television Monitor/TV with Digital Tuner, and Composite, HDMI, YC, and VGA Inputs	_____	_____

Manufacturer/Model Number: _____

Successful vendor shall facilitate all warranty claims (including but not limited to labor, materials, shipping and handling, etc.) during the first year. It is preferred that all items quoted shall have local (Shelby County, Tennessee) service. Manufacturer service certification must be available within two (2) business days (48 hours) of request. If local service provider is not available, bidder is to include (with bid) detailed procedures for obtaining service.

**BIDDER SHALL SUBMIT DETAILED PROCEDURES AND RESPONSE TIME
(ALONG WITH BID) FOR ANY REQUIRED SERVICE AND/OR SUPPORT.**

Service Agent: _____

Address

City State

Phone Number

Company Name

All price quotations and related materials must be received in a sealed envelope. Time, date and nature of BID must be clearly marked on face of sealed envelope. Attach label below to the outside of your BID submission.

FIRM NAME



BID #FY090123

BID DUE

Date:

Time:

Nature of BID

SHELBY COUNTY SCHOOLS

PURCHASING, BLDG C

2800 GRAYS CREEK DRIVE

ARLINGTON, TN 38002

All bids must be received and time-stamped in the Purchasing Department, Building C, 2800 Grays Creek Drive, Arlington, Tennessee 38002, prior to stated bid opening date and time on Bid Cover Sheet. Bids received after the specified date and time are considered late and will not be opened.