



# Z Systems, inc

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## MN State Contract Quote

Job: City Hall AV Q4 '23  
 Date: 03/11/24 Quote #: ZSYQ2450-0  
 P.O. No: FOB: Mfr's Dock  
 Terms: 50% Down, Bal Net 15  
 Expiration: 4/11/2024 Rep: freddieg

**Sold To:**

Daniel Buchholtz  
 Spring Lake Park, City Of  
 1301 81st Ave. N.E.  
 Spring Lake Park, MN 5543

**Ship To:**

Daniel Buchholtz  
 Spring Lake Park, City Of  
 1301 81st Ave. N.E.  
 Spring Lake Park, MN 55432

Minnesota State Contract #: 152127

Item	Qty	Description	Ctgy	Price	Ext. Price
		<b>Broadcast Production Equipment</b>			<b>\$49,168.72</b>
		<b>Carbonite Production Switcher</b>			
CBF-109	1	Ross Carbonite Black 1 M/E Live Production Switcher ENGINE ONLY	2.3	\$3,880.80	\$3,880.80
XDS0-0001-CPS	1	Ross XPression LiveCG Software Only License	4.1	\$0.00	\$0.00
PSU-12V9A-6PIN	1	Ross 12V 9A PSU with 6 Pin Connector for Redundancy or Spare	4.1	\$642.60	\$642.60
		<b>Carbonite Production Switcher Subtotal</b>			<b>\$4,523.40</b>
		<b>Quorum Graphical Meeting Control System</b>			
QRM-SW-MGMT	1	Ross Quorum Management and Control Software	2.3	\$8,400.00	\$8,400.00
QRM-EXP-ROOM	1	Ross Quorum Room License	2.3	\$12,600.00	\$12,600.00
QRM-HW-SERVER-G4	1	Ross Quorum Hardware for Management Software	2.3	\$5,880.00	\$5,880.00
QRM-INT-3P-ROBOTICS	1	Quorum 3rd Party Robotics License	2.3	\$4,200.00	\$4,200.00
QRM-HW-CLIENT-G4	1	Ross Quorum Client Hardware	2.3	\$3,276.00	\$3,276.00
		<b>Quorum Graphical Meeting Control System Subtotal</b>			<b>\$34,356.00</b>
		<b>Ross Professional Services</b>			
QRM-ONL-OTT-1DAY	1	Ross Quorum Online Technical Training, 1Day	2.3	\$1,534.62	\$1,534.62
QRM-COM-1DAY	2	Ross Quorum Commissioning, 1 Day	2.3	\$2,042.04	\$4,084.08
TRAVEL-PRE-001	1	Ross Pre Paid Service Expense Trip 1	2.3	\$3,136.00	\$3,136.00
CARBONITE-ONL-COM-1DAY	1	Ross Carbonite Online Commissioning - 1 Day	2.3	\$1,534.62	\$1,534.62
		<b>Ross Professional Services Subtotal:</b>			<b>\$10,289.32</b>
		<b>Broadcast Production Equipment</b>			<b>\$49,168.72</b>

Item	Qty	Description	Ctgy	Price	Ext. Price
		<b>Council Chambers Equipment</b>			<b>\$42,133.22</b>
		<b>Displays &amp; Mounts</b>			
FW43EZ20L	2	Sony 43 BRAVIA 4K HDR PRO LITE DISPLAY	9.1	\$493.34	\$986.68
FW65EZ20L	3	Sony 65 BRAVIA 4K HDR PRO LITE DISPLAY	9.1	\$911.93	\$2,735.79
VP16-OLED	6	ViewSonic 15.6" VP16-OLED Thin Portable Monitor	9.1	\$414.40	\$2,486.40
997-8371-00	3	Planar Systems PLN2770W 27" 16:9 IPS Monitor	9.1	\$136.64	\$409.92
CSSLP15X10	3	CHIEF PROXIMITY,SLIDE LOCKING PLATE,15X10	14	\$143.81	\$431.43
CMS115	2	CHIEF SPEED CONNECT CEILING PLATE	14	\$46.37	\$92.74
CMS0305	2	CHIEF ADJ. PIPE 36" TO 60"	14	\$136.42	\$272.84
MCM1U	2	Chief SINGLE CEILING MOUNT MEDIUM BLACK	14	\$237.89	\$475.78
MTM1U	3	CHIEF Micro-Adjust Tilt Wall Mount, Medium	14	\$164.64	\$493.92
		<b>Audio</b>			
80-0134	1	Symetrix Radius NX 12x8 Dante + USB-B Programmable DSP, 12 mic/line in, 8 line out, USB audio, 1 I/O card slot, 64x64 redundant Dante, ARC	1.3	\$2,694.72	\$2,694.72
80-0153	1	Symetrix AEC Module, AEC-2 Dual Core AEC Coprocessor, 16/12 channels (dual/independent references)	1.3	\$649.60	\$649.60
MX412D/C	7	Cardioid-12" Desktop Gooseneck Condenser Microphone, Attached 10' XLR Cable, Logic Functions, Programmable Switch and LED Indicator, Attached Desktop Base	1.4	\$267.68	\$1,873.76
SLXD24/SM58-G58	2	Shure Wireless Vocal System with SM58	1.4	\$554.40	\$1,108.80
UA844+SWB	1	Shure Five-way active antenna splitter and power distribution system for QLX-D®, U LX®, ULX-D®, SLX®, and BLX® (BLX4R only) receivers. (470-952 MHz)	1.4	\$481.60	\$481.60
A12B	1	Shure A12B 5/8" Mounting Flange for Gooseneck or Shaft Mic Mount, Matte Black	1.4	\$12.69	\$12.69
WA371	1	Shure Mic Clip for all Handheld Transmitters	1.4	\$6.72	\$6.72
GN13E	1	Atlas IED GN13E 13" Flexible Gooseneck Extension - Black Finish	1.4	\$13.66	\$13.66
LAB-CA1202	1	Lab Gruppen 2 x 120W Commercial Amplifier with Energy Star Certification	1.2	\$367.70	\$367.70
LAB-CA2402	1	Lab Gruppen 2 x 240W Commercial Amplifier with Energy Star Certification	1.2	\$406.90	\$406.90
TA-CVS6	12	TANNOY 6" Coaxial In-Ceiling Loudspeaker for Installation Applications	1.1	\$148.18	\$1,778.16
2777500123	1	PreSonus ERIS 4.5BT 50W 4.5" Active Bluetooth Media Reference Monitors (Pair)	1.1	\$163.51	\$163.51
		<b>Presentation Equipment</b>			
VS-611DT	1	Kramer VS-611DT 6x1:2 4K HDMI/HDBaseT Extended Reach PoE Auto Switcher	2.3	\$982.52	\$982.52
TBD	1	Custom Button Panel for Presentation Control		\$560.00	\$560.00
R9861613USB2	1	Digi-Key SW636-ND Middle Atlantic UNI-1-C Frame Barco CX-30 GEN2 ClickShare Base Unit Plus 2 Buttons, TAA Compliant -		\$2,250.08	\$2,250.08

Item	Qty	Description	Ctgy	Price	Ext. Price
		R9861613USB2	9.4		
LS425	1	Brightsign LS425 Digital Signage Player	2.4	\$252.00	\$252.00
AT-AVA-EX70-KIT	1	Atlona Avance 4K/UHD PoE HDMI Transmitter and Receiver Kit	2.5	\$358.78	\$358.78
AT-RON-442	1	Atlona 4K HDR Two-Output HDMI Distribution Amplifier	2.5	\$270.04	\$270.04
AT-RON-448	1	Atlona Ultra High Data Rate 1x 8 HDMI Distribution Amplifier	2.5	\$446.88	\$446.88
		<b>Head-End Equipment</b>			
NK-3G16	1	Ross 16x16 3G/HD/SD Reclocking SDI Routing System	4.6	\$2,476.32	\$2,476.32
RCP-ME	1	Ross Ethernet Enabled 40 Button LCD Display Control Panel	4.6	\$988.68	\$988.68
GS524PP-100NAS	1	Netgear 24PT GB UNMNGED SWTCH W POE++	15	\$412.16	\$412.16
32070	1	Magewell USB Capture SDI (Gen 2)	4.2	\$250.88	\$250.88
32050	1	Magewell USB Capture SDI Plus - USB 3.0 DONGLE, 1-channel HD/3GSDI. /Loop back / Audio Line in & Out / Driver-FREE. W/L/M.	4.2	\$301.28	\$301.28
530500000	1	Magewell Ultra Encode SDI	4.2	\$394.24	\$394.24
BMD-HYPERD/ST/D AHM	1	HyperDeck Studio HD Mini	2.5	\$443.52	\$443.52
GEN10-R0	1	AJA HD/SD Sync Generator, Simultaneous Blackburst & Tri-level, Outputs Assignable	2.5	\$368.76	\$368.76
C10DA-R0	1	AJA C10DA	2.5	\$192.36	\$192.36
BMD-CONVMUDCST D/HD	5	Blackmagic Mini Converter - UpDownCross HD	4.2	\$142.46	\$712.30
BMD-CONVMCAUDS2	3	Blackmagic Mini Converter - Audio to SDI 2	4.2	\$196.22	\$588.66
BLACKRACK-1	2	My Custom Shop BLACKRACK-1 1RU Universal Blackmagic Design Mini Converter Rackmount	4.2	\$61.70	\$123.40
SRT2200RMXLA	1	APC Smart-UPS SRT 2200VA RM - UPS - 1.8 kW - 2200 VA	16	\$1,893.84	\$1,893.84
PD-2015R-NS	3	Middle Atlantic 20 OUT,15A,MULTIMNT,CORD	16	\$134.40	\$403.20
		<b>Furniture and Racks</b>			
TBD	1	Control Room Desk System		\$2,800.00	\$2,800.00
TBD	1	AV Equipment Racks - Models TBD		\$5,600.00	\$5,600.00
LE3040	1	Audio Visual Furniture International Deluxe Lectern Features include pullout keyboard tray, folding side shelf, adjustable interior shelf, locking front and rear access doors and HD casters for mobility. Customer must select finish.	3.5	\$1,120.00	\$1,120.00
		<b>Council Chambers Equipment Subtotal</b>			<b>\$42,133.22</b>
		<b>Multi-Purpose Room Equipment</b>			<b>\$34,027.39</b>
FW85EZ20L	3	SONY 85 BRAVIA 4K HDR PRO LITE DISPLAY	9.1	\$1,918.53	\$5,755.59
FW43EZ20L	1	SONY 43 BRAVIA 4K HDR PRO LITE DISPLAY	9.1	\$512.95	\$512.95
MTM1U	1	Micro-Adjust Tilt Wall Mount, Medium	14	\$164.64	\$164.64
SR598	3	Peerless-AV SmartMount Flat Panel TV Cart for 55' to 98' TVs	14	\$848.95	\$2,546.85
AT-HDVS-210H-TX-	1			\$884.82	\$884.82

Item	Qty	Description	Ctgy	Price	Ext. Price
WP-KIT		2x HDMI HDBaseT Wall Transmitter with 4K receiver Kit	6.1		
AT-RON-444	1	Atlona 4K HDR Four-Output HDMI Distribution Amplifier	6.1	\$338.35	\$338.35
AT-AVA-EX70-KIT	1	Atlona Avance 4K/UHD PoE HDMI Transmitter and Receiver Kit	2.5	\$358.78	\$358.78
50-80035095	3	Kramer WP-572/US(W) Kramer Electronics USA WP-572/US(W); HDMI Over Twisted Pair	2.5	\$184.80	\$554.40
90-70832090	3	Kramer PT-571 Kramer Electronics USA PT-571; HDMI Over Twisted Pair	2.5	\$181.72	\$545.16
AT-OME-MS42	1	Atlona Omega 4x2 4K/UHD multiformat matrix switcher, with HDMI, USB-C, Display port, and USB pass through over HDBaseT		\$1,202.11	\$1,202.11
960-001308	1	Logitech Rally Bar 4K All-In-One Video Bar for Medium to Large Rooms, Gray	9.1	\$3,578.39	\$3,578.39
960-001336	1	Logitech Rally Bar Mini (Graphite)	5.1	\$2,683.51	\$2,683.51
952-000041	2	Logitech TV Mount for Video Bars for Rally Bar, Rally Bar Mini, Rally Camera	5.7	\$160.15	\$320.30
R9861612USB1	3	Barco CX-20 GEN 2 ClickShare, Base + 1 Button, TAA Compliant	9.4	\$1,790.88	\$5,372.64
SLXD124/85-J52	5	Combo System with SLXD1 Bodypack, SLXD4 Receiver, SM58, and WL185 Lavalier Microphone	1.4	\$795.20	\$3,976.00
UA844+SWB	1	Shure Five-way active antenna splitter and power distribution system for QLX-D®, ULX®, ULX-D®, SLX®, and BLX® (BLX4R only) receivers. (470-952 MHz)	1.4	\$481.60	\$481.60
BMD-CONVMUDCST D/HD	1	Blackmagic Mini Converter - UpDownCross HD	4.2	\$142.46	\$142.46
80-0110	1	Symetrix xIn 4 Dante I/O Endpoint, 4 mic/line in, 0x4 Dante, PoE, 1/2 rack width	1.3	\$907.20	\$907.20
80-0106	1	Symetrix xIO 4x4 Dante I/O Endpoint, 4 mic/line in, 4 line out, 4x4 Dante, PoE, 1/2 rack width	1.3	\$1,019.20	\$1,019.20
80-0177	1	Symetrix W4, White, US Standard IP Remote with push button rotary encoder, 8 buttons, 3 OLED displays, PoE, Decora dual gang US version, white	1.3	\$551.04	\$551.04
80-0185	1	Symetrix xIO Bluetooth, White, U.S. Dante I/O Endpoint, Bluetooth media in, Bluetooth phone I/O, 4x4 Dante, PoE, Decora single gang US version, white	1.3	\$390.88	\$390.88
LAB-CA2402	1	Lab Gruppen 2 x 240W Commercial Amplifier with Energy Star Certification	1.2	\$406.90	\$406.90
TA-CVS6	9	TANNOY 6" Coaxial In-Ceiling Loudspeaker for Installation Applications	1.1	\$148.18	\$1,333.62
		<b>EOC / Training Room Equipment Subtotal</b>			<b>\$34,027.39</b>
		<b>EOC / Training Room Equipment</b>			<b>\$34,599.06</b>
		<b>Displays</b>			
FW85EZ20L	2	SONY 85 BRAVIA 4K HDR PRO LITE DISPLAY	9.1	\$1,918.53	\$3,837.06
XSM1U	1	CHIEF Micro-Adjust Fixed Wall Mount, X-Large	14	\$231.17	\$231.17
LSM1U	1	CHIEF Micro-Adjust Fixed Wall Mount, Large	14	\$182.11	\$182.11
CSSLP15X10	2	CHIEF PROXIMITY,SLIDE LOCKING PLATE,15X10	14	\$143.81	\$287.62
		<b>Cameras</b>			
HC20X-SIMPLTRACK 3	2			\$1,343.10	\$2,686.20

Item	Qty	Description	Ctgy	Price	Ext. Price
HCM-2-BK	2	HuddlecamHD Third Generation Auto-Tracking & Auto-Framing PTZ Camera   20X Optical Zoom   IP Streaming, 3G-SDI / HDMI / USB3.0   59 HFOV (Gray)   NDI HX licensed   Control Software only available in English for Windows   Universal Power Supply	2.1		
		PTZ Camera Wide Mount for Wall   Universal Design (Black)	2.1	\$107.52	\$215.04
32040	1	Magewell USB 3.0 DONGLE, 1-channel HDMI with loop-through out, mic audio in, 3.5mm audio out. Plug and Play. Windows/Linux/Mac.	4.2	\$301.28	\$301.28
32060	1	Magewell USB 2.0/3.0 DONGLE, 1-channel HDMI. Plug and Play. Windows/Linux/Mac. Replaces p/n 32011 (X1100DUSBHDMI).	4.2	\$250.88	\$250.88
		<b>Presentation &amp; Control</b>			
AT-HDR-H2H-88MA	1	Atlona 4K/UHD HDR 8x8 HDMI Matrix Switcher	4.8	\$2,676.81	\$2,676.81
AT-AVA-EX70-KIT	2	Atlona Avance 4K/UHD PoE HDMI Transmitter and Receiver Kit	2.5	\$358.78	\$717.56
AT-VGW-HW-3	1	Atlona Velocity Hardware Gateway for Control 3 Rooms	6.2	\$990.80	\$990.80
AT-VTP-1000VL-BL	1	Atlona Velocity System 10" VESA Mount Touch Panel with LED (Black) includes Wall Mount Kit	6.5	\$1,406.72	\$1,406.72
AT-VTP-VTM	1	Atlona Tabletop Mounting Kit for Velocity Control System Touch Panels	6.5	\$176.96	\$176.96
AT-HD-SC-500	3	Atlona 3-Input Scaler for HDMI and VGA Signals	6.1	\$409.85	\$1,229.55
AT-HDVS-210H-TX-WP-KIT	1	Atlona 2x HDMI HDBaseT Wall Transmitter with 4K receiver Kit	6.1	\$884.82	\$884.82
AT-PS-483125-C	1	Atlona 48V/3.25A Power Supply for chaining extenders	6.1	\$133.43	\$133.43
AT-RACK-1RU-ME	1	Atlona Multi-Extender 1RU Rack Shelf	6.1	\$109.17	\$109.17
50-80035095	1	Kramer WP-572/US(W) Kramer Electronics USA WP-572/US(W); HDMI Over Twisted Pair	2.5	\$184.80	\$184.80
90-70832090	1	Kramer PT-571 Kramer Electronics USA PT-571; HDMI Over Twisted Pair	2.5	\$181.72	\$181.72
BMD-CONVMUDCST D/HD	5	Blackmagic Design Mini Converter - UpDownCross HD	4.2	\$142.46	\$712.30
BLACKRACK-1	2	My Custom Shop BLACKRACK-1 1RU Universal Blackmagic Design Mini Converter Rackmount	4.2	\$61.70	\$123.40
R9861513US	1	Barco ClickShare Conference CX-30 Set US - R9861513US	9.4	\$2,162.72	\$2,162.72
GS524PP-100NAS	1	Netgear 24PT GB UNMNGED SWTCH W POE++	15	\$412.16	\$412.16
SRT2200RMXLA	1	APC Smart-UPS SRT 2200VA RM - UPS - 1.8 kW - 2200 VA	16	\$1,893.84	\$1,893.84
PD-2015R-NS	2	Middle Atlantic 20 OUT,15A,MULTIMNT,CORD	16	\$134.40	\$268.80
		<b>Audio</b>			
MXA920W-S	1	Shure Ceiling Array Microphone, Square, White, 24 inch	1.4	\$3,529.12	\$3,529.12
UA844+SWB	1	Shure Five-way active antenna splitter and power distribution system for QLX-D®, ULX®, ULX-D®, SLX®, and BLX® (BLX4R only) receivers. (470-952 MHz)	1.4	\$481.60	\$481.60
A12B	1	Shure A12B 5/8" Mounting Flange for Gooseneck or Shaft Mic Mount, Matte Black	1.4	\$12.69	\$12.69
WA371	1	Shure Mic Clip for all Handheld Transmitters	1.4	\$6.72	\$6.72
80-0134	1	Symetrix Radius NX 12x8 Dante + USB-B Programmable DSP, 12 mic/line in, 8 line out, USB audio, 1 I/O card slot, 64x64		\$2,694.72	\$2,694.72

Item	Qty	Description	Ctgy	Price	Ext. Price
80-0153	1	redundant Dante, ARC Symetrix AEC Module, AEC-2 Dual Core AEC Coprocessor, 16/12 channels (dual/independent references)	1.3	\$649.60	\$649.60
SLXD24/SM58-G58	1	Wireless Vocal System with SM58	1.4	\$554.40	\$554.40
SLXD14/93-G58	1	Combo System with SLXD1 Bodypack, SLXD4 Receiver, and WL93 Lavalier Microphone	1.4	\$592.48	\$592.48
GN13E	1	Atlas IED GN13E 13" Flexible Gooseneck Extension - Black Finish	1.4	\$13.66	\$13.66
LAB-CA1202	1	Lab Gruppen 2 x 120W Commercial Amplifier with Energy Star Certification	1.2	\$367.70	\$367.70
TA-CVS6	6	TANNOY 6" Coaxial In-Ceiling Loudspeaker for Installation Applications	1.1	\$148.18	\$889.08
TX-J2	8	RDL Unbalanced Input Transformer	6.1	\$77.48	\$619.84
TX-A2	1	RDL Audio Converter - Balanced to Unbalanced - Terminals, dual-RCA	6.1	\$116.57	\$116.57
TX-RA5	2	RDL TX Series Racking System - 5 Modules 1RU	6.1	\$42.36	\$84.72
SES-AUDIO-N-HDMI	1	Sescom SES-AUDIO-N-HDMI Audio Inserter	4.2	\$117.56	\$117.56
		<b>Furniture</b>			
LEX31	1	Audio Visual Furniture Executive Lectern - Features pullout keyboard tray, pocket door, fan, 14U rack frame, Locking front & rear doors, removable electronics pod, thermowrap finish and HD casters for mobility. Final finish TBD.	3.5	\$1,611.68	\$1,611.68
		<b>EOC / Training Room Equipment Subtotal</b>			<b>\$34,599.06</b>
		<b>Misc. Materials</b>			<b>\$19,936.00</b>
SOM-Materials	1	Misc Installation Materials and Installation Supplies (Not-to-Exceed Estimate). Customer will be invoiced only for materials used. (Enter item description here)		\$19,936.00	\$19,936.00
		<b>Installation Labor</b>			<b>\$94,862.00</b>
SOM-Project Mgmt Hr	28	Project Management Labor Hour - MN state contract rate - Actual hours worked will not exceed this amount without written consent from customer - Customer will be billed for actual hours worked		\$104.00	\$2,912.00
SOM-Engineer Hr	160	Engineering Hour - MN state contract rate - Professional / Technical Design Labor - Includes Control System Programming - Actual hours worked will not exceed this amount without written consent from customer - Customer will be billed for actual hours worked		\$125.00	\$20,000.00
SOM-Install Hr.	680	Installation Hour - MN state contract rate - Audiovisual Installation - Actual hours worked will not exceed this amount without written consent from customer - Customer will be billed for actual hours worked		\$90.00	\$61,200.00
SOM-Maintenance Hr	78	Maintenance Hour - MN state contract rate - Maintenance Labor - Includes Testing and Commissioning Services - Actual hours worked will not exceed this amount without written consent from customer - Customer will be billed for actual hours worked		\$125.00	\$9,750.00

Item	Qty	Description	Ctgy	Price	Ext. Price
SOM-Training Hr	8	Training Hour - MN state contract rate - Actual hours worked will not exceed this amount without written consent from customer - Customer will be billed for actual hours worked		\$125.00	\$1,000.00
		<b>Warranty</b>			<b>\$0.00</b>
SC-Std Warranty	1	This system comes with a 90 day installation warranty along with the various manufacturer's warranties - usually 1 year parts and labor.  The manufacturers' warranties, however, are 'depot' style warranties - i.e. the equipment needs to be uninstalled, sent in for repair, then reinstalled and tested by the customer.  Z Systems is happy to do this on your behalf at our standard rate. We also have service contract options if you are interested - please ask your account manager for details.		\$0.00	\$0.00
		<b>Mileage and Shipping</b>			<b>\$5,760.00</b>
SOM-Travel Expenses	3,000	Not-to-exceed estimate. Customer will be billed for actual mileage.		\$0.67	\$2,010.00
SOM-Shipping	1	Estimated Shipping Costs (not-to-exceed estimate). Customer will be invoiced for actual shipping costs. Invoiced shipping cost will not exceed this amount.		\$3,750.00	\$3,750.00
		<b>System Design Contract Credit</b>			<b>-\$3,676.47</b>
Promotion	1	Design / Build Credit - Thanks for Choosing Z Systems!		-\$3,676.47	-\$3,676.47

By signing below, customer agrees to purchase the items and services listed above from Z Systems, inc., in accordance with the terms and conditions set forth in the State of Minnesota Purchasing Contract #152127.

SIGNATURE: \_\_\_\_\_

<b>Subtotal</b>	<b>\$276,809.92</b>
<b>Sales Tax</b>	<b>\$0.00</b>
<b>Total</b>	<b>\$276,809.92</b>