

**Key Code Media, Inc. - Illinois**

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## Job #1 Aurora Council Chambers

Quote # 220843 Version 1

Prepared for:

City of Aurora

Prepared by:

Brian Allegretti

## Statement of Services

### Overview:

Key Code Media will be integrating a new turnkey Council Chamber solution at the City of Aurora based on NDI Broadcast technology. In addition, Key Code Media will provide an A/V equipment for two conference rooms on the 5th floor (5a & 5b). The 5th floor conference rooms will be utilized temporarily as the council chambers until the 2nd floor buildout is complete. Key Code Media will integrate a Studio and Control room on the 5th floor to work as a broadcast solution. The control room will allow the operator to see and control the Council Chambers as well as the 5th floor conference rooms. A detailed SOW (Scope of Work ) will be provided with drawings once project has been awarded.

### Client Responsibilities:

Client is to have all rooms available for Key Code to come in and integrate the solutions. We will set up project meetings on a regular basis to make sure updates are provided and project goes smoothly. We will also set up installation dates at the project meetings.

### Timeline:

The timeline has yet to be determined, with supply chain issues availability changes on a daily basis and is subject to change based on Manufacturer updates. These updates will be a regular part of the project meetings.

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No.	Part #	Manufacturer	Description	Qty	Price	Ext. Price
1			COUNCIL CHAMBER AUDIO			
2	ULXD4Q-G50		Shure ULXD4Q Quad-Channel Digital Wireless Receiver (G50: 470 to 534 MHz)	1	\$4,289.00	\$4,289.00
3	ULXD2/B58-G50		Shure ULXD2/SM58 Digital Handheld Wireless Microphone Transmitter with SM58 Capsule (G50: 470 to 534 MHz)	2	\$506.00	\$1,012.00
4	SBC200-US		Shure SBC200US Transmitter & Battery Charger with Power Supply	1	\$199.00	\$199.00
5	SB900B		Shure SB900B Rechargeable Lithium-Ion Battery for Bodypack Transmitters/Receivers	4	\$89.00	\$356.00
6	UA874		Shure UA874 Active Directional Antenna	1	\$273.00	\$273.00
7	MXCW640	Shure, Inc	Shure Wireless Conference Unit - USB - Internal Speaker(s) - Tabletop, Rack-mountable	17	\$1,177.00	\$20,009.00
8	MXCWNCS		Networked Charging Station with US IEC power cord charges 10 SB930 batteries in 4 hours; includes hardware for wall- or rack-mounting	2	\$867.00	\$1,734.00

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No.	Part #	Manufacturer	Description	Qty	Price	Ext. Price
9	MXCWAPT-A		Access Point Transceiver for US only; manages audio routing, frequency coordination, and system control for up to 125 wireless conference units; includes 10 Dante™ inputs/outputs and analog XLR inputs/outputs; requires Power-over Ethernet. Includes paint	1	\$2,946.00	\$2,946.00
10	MXC416DF/C		Cardioid Dual-Flex Gooseneck Microphone (16 in/40 cm) with flexible top and bottom sections, bi-color LED, 10-pin connector, and foam windscreen, for MXC, MXCW conference units; black	17	\$163.00	\$2,771.00
11	SBC10-MICROB	Shure, Inc	Shure USB Wall Charging Cable - For Conferencing System, Music System, Transmitter, TelePresence System, Power Adapter, Charger	17	\$19.00	\$323.00
12	TesiraFORTÉ DAN VT		TesiraFORTÉ DAN VT is a digital audio server with 12 analog inputs and 8 analog outputs	2	\$2,750.00	\$5,500.00
13	GDCI2X300		Crown Audio DCI 2/300 DriveCore Install Analog Series 2-Channel Amplifier 300 Watts x 2	1	\$944.00	\$944.00
14	CVS4MICRO		Tannoy CVS 4 MICRO Coaxial In-Ceiling Loudspeaker with Shallow Back Can (Pair, 4", White)	10	\$393.00	\$3,930.00
15	TANPGVCVMS40		PLASTER RING CVS 4/CMS 401/403/501/503	20	\$29.00	\$580.00
16	LCS-121-01		Listen Tech Wi-Fi/RF Advanced System	1	\$1,583.00	\$1,583.00
17			COUNCIL CHAMBER CAMERAS			
18	AW-HE145KPJ	PANASONIC	PANASONIC SOLUTIONS COMPANY : HD / 60P Integrated PTZ w/ 20x Zoom in Black	6	\$8,285.00	\$49,710.00
19	PPTZUCC	NEWTEK	NewTek NDI HX Upgrade for Panasonic Cameras	6	\$278.00	\$1,668.00
20	AWRP150GJ5		Panasonic Touchscreen Remote Camera Controller	1	\$3,993.00	\$3,993.00
21			COUNCIL CHAMBER PRESENTATION			
22	CP4		4-Series™ Control System	1	\$1,223.00	\$1,223.00
23	DM-MD16X16-CPU3		16x16 DigitalMedia™ Switcher	1	\$5,211.00	\$5,211.00
24			INPUT CARDS			
25	DMC-4KZ-C		DigitalMedia 8G+® 4K60 4:4:4 HDR Input Card for DM® Switchers, HDBaseT® Compatible	3	\$702.00	\$2,106.00

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No.	Part #	Manufacturer	Description	Qty	Price	Ext. Price
26	DMC-4KZ-HD		HDMI® 4K60 4:4:4 HDR Input Card for DM® Switchers	13	\$511.00	\$6,643.00
27			OUTPUT CARDS			
28	DMC-4KZ-CO-HD		2-Channel DigitalMedia 8G+® 4K60 4:4:4 HDR Output Card for DM® Switchers	3	\$787.00	\$2,361.00
29	DMC-4KZ-HDO		2-Channel HDMI® 4K60 4:4:4 HDR Scaling Output Card for DM® Switchers	2	\$1,091.00	\$2,182.00
30			SOURCE - HARDWARE			
31	DM-TX-4K-302-C		4k DigitalMedia 8G+® Transmitter 302	2	\$1,212.00	\$2,424.00
32	DM-TX-201-C		DigitalMedia 8G+® Transmitter 201	1	\$787.00	\$787.00
33			DESTINATION - HARDWARE			
34	DM-RMC-4KZ-100-C		DigitalMedia 8G+® 4K60 4:4:4 HDR Receiver & Room Controller 100	6	\$544.00	\$3,264.00
35			CONTROL			
36	TS-1070-B-S		10 in. Tabletop Touch Screen, Black Smooth	3	\$1,818.00	\$5,454.00
37	C2N-CBD-E-W-S		Cameo® Express Keypad, Standard Mount, White Smooth	1	\$169.00	\$169.00
38	CB6E-BTNW-S_ENGRAVED		Small Backlit Engravable Button Cap for Cameo Keypads, White Smooth, Includes Custom Engraving	4	\$10.00	\$40.00
39	TT-110-B-T	Crestron Electronics, Inc	Crestron Connect It Cable Caddy - 125 V AC / 10 A, 5 V DC Round Tabletop	1	\$162.00	\$162.00
40			HARDWARE			
41	R9861520NA		Barco CSE-200 ClickShare Wireless Presentation System	1	\$1,564.00	\$1,564.00
42	GSM4212PX-100NAS	Netgear, Inc	Netgear AV Line M4250-10G2XF-PoE+ Ethernet Switch - 10 Ports - Manageable - 3 Layer Supported - Modular - 240 W PoE Budget - Optical Fiber, Twisted Pair - PoE Ports - 1U High - Rack-mountable - Lifetime Limited Warranty	1	\$1,058.00	\$1,058.00

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No.	Part #	Manufacturer	Description	Qty	Price	Ext. Price
43	GSM4248PX-100NAS	Netgear, Inc	Netgear M4250-40G8XF-PoE+ AV Line Managed Switch - 40 Ports - Manageable - 3 Layer Supported - Modular - 89.20 W Power Consumption - 960 W PoE Budget - Optical Fiber, Twisted Pair - PoE Ports - 1U High - Rack-mountable, Table Top - Lifetime Limited Warran	1	\$3,124.00	\$3,124.00
44			COUNCIL CHAMBER MONITORS			
45	UN65TU7000FXZA	Samsung	Samsung Crystal TU7000 UN65TU7000F 64.5" Smart LED-LCD TV - 4K UHD TV - Titan Gray, Black - LED Backlight - Alexa, Google Assistant Supported - 3840 x 2160 Resolution	6	\$683.00	\$4,098.00
46	SA761PU-NEW		Peerless-AV SmartMount Articulating Wall Arm for 39 to 75" Displays	5	\$425.00	\$2,125.00
47	DS-VW650	Peerless Industries, Inc	Peerless-AV SmartMount Wall Mount for Flat Panel Display - Black - 40" to 40" Screen Support - 75 lb Load Capacity - 200 x 200, 300 x 200, 300 x 300, 400 x 200, 400 x 300, 400 x 400, 600 x 400 VESA Standard - 1	1	\$192.00	\$192.00
48			COUNCIL CHAMBER DESK MONITORS			
49	A12		Lilliput A12 12.5 Inch 4K Broadcast Monitor	8	\$659.00	\$5,272.00
50	VESA 75		LILLIPUT 75mm VESA Folding Bracket for Monitor	8	\$29.00	\$232.00
51	CONVNTRM/AB/HS DI		Blackmagic Design Teranex Mini HDMI to SDI 12G Converter	1	\$449.00	\$449.00
52	CONVNTRM/EA/DA		Blackmagic Design Teranex Mini SDI 12G Distribution	1	\$449.00	\$449.00
53	CONVNTRM/YA/SM TPN		Blackmagic Design Teranex Mini Smart Panel	2	\$75.00	\$150.00
54	CONVNTRM/YA/RS H		Blackmagic Design Teranex Mini Rack Shelf	1	\$99.00	\$99.00
55	64100		Magewell Pro Convert NDI to HDMI Decoder	11	\$399.00	\$4,389.00
56	64050		Magewell Pro Convert HDMI TX 1-Channel NDI Encoder	1	\$399.00	\$399.00
57			COUNCIL CHAMBER HARDWARE			
58	PRO2000		San Limitimer Pro-2000 Speaker TimerSpeech and Presentation Time Keeper	1	\$857.00	\$857.00
59	140-APA902B-G00	GeoVision, Inc	GeoVision GV-PA902BT Gigabit BT PoE++ Adapter - 120 V AC, 230 V AC Input - 54 V DC Output - 1 x Ethernet Input Port(s) - 1 x PoE Output Port(s) - 95 W	6	\$177.00	\$1,062.00

**Job #1 Aurora Council Chambers**

No.	Part #	Manufacturer	Description	Qty	Price	Ext. Price
60			KCM			
61	KCM-MAT	KCM	Materials Additional intercabbling and connectors and parts needed to complete integratione	1	\$5,000.00	\$5,000.00
62	TSPRO-15	KCM	Install system Integration of Project, cost includes system test, checkout and training.	7	\$1,600.00	\$11,200.00
63	TSPRO-15	KCM	Design Complete design of system including final drawings	1	\$1,800.00	\$1,800.00
64	Crestron Programming		Custom control programming of all rooms, any combination, includes control of all monitors, control of all 4 Audio Digital signal processors and onsite set up and test.nna	1	\$16,000.00	\$16,000.00
65	NEW			1	\$0.00	\$0.00
66	KTC-SILVER	Key Code Media Professional Services	Keycode Total Care - Silver Includes:- Monday-Friday, 9-6 phone/email/remote support (customer local time)- Initial site evaluation visit- Includes hours for emergency onsite- Onsite technician available for added cost- T&E will be billed to the client for out of state locations- Please see attached Services Proposal for more details	1	\$10,000.00	\$10,000.00
67	TSPRO-13	K	Key Code Media Project Managment Project Management Services / Single point of contact who will coordinate a Project Kickoff discussion, prepare a deployment timeline, coordinate staffing, track issues and risks, and regularly communicate Project status. cost includes Project Manager or Project Engineer on scheduled conference calls.	1	\$1,650.00	\$1,650.00
68			Shippinh			
69	STD FREIGHT		Shipping by Common Carrier	1	\$1,700.00	\$1,700.00

**Subtotal: \$206,715.00**

**Job #2 Aurora 5th Floor Media Center**

No.	Part #	Description	Qty	Price	Ext. Price
70		CONFERENCE PRESENTATION			
71	CP4	4-Series™ Control System	1	\$1,223.00	\$1,223.00

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No.	Part #	Description	Qty	Price	Ext. Price
72	DM-MD8X8-CPU3	8x8 DigitalMedia™ Switcher	1	\$2,605.00	\$2,605.00
73	DMC-4KZ-C	Crestron DigitalMedia 8G+™ 4K60 4:4:4 HDR Input Card for DM™ Switchers, HDBaseT™ Compatible	2	\$667.00	\$1,334.00
74	DMC-4KZ-HD	Crestron HDMI™ 4K60 4:4:4 HDR Input Card for DM™ Switchers	1	\$511.00	\$511.00
75	DMC-4KZ-CO-HD	Crestron 2-Channel DigitalMedia 8G+™ 4K60 4:4:4 HDR Output Card for DM™ Switchers	3	\$787.00	\$2,361.00
76	DMC-4KZ-HDO	2-Channel HDMI™ 4K60 4:4:4 HDR Scaling Output Card for DM™ Switchers	2	\$1,091.00	\$2,182.00
77	DM-TX-4K-302-C	Crestron 4K DigitalMedia 8G+ Transmitter 302 - 3 Input Device - 1 Output Device - 229.66 ft Range - 2 x Network (RJ-45) - 1 x USB - 2 x HDMI In - 1 x VGA In - 1 x HDMI Out - 4K - 4096 x 2160 - Twisted Pair - Category 5e - Surface-mountable, Standalone	1	\$1,212.00	\$1,212.00
78	DM-TX-201-C	DIGITAL MEDIA TRANSMITTER 8G+AVAILABLE SEPT 13TH	1	\$787.00	\$787.00
79	DM-RMC-4KZ-100-C	DigitalMedia 8G+™ 4K60 4:4:4 HDR Receiver & Room Controller 100	6	\$544.00	\$3,264.00
80	TS-770-B-S	7 in. Tabletop Touch Screen, Black Smooth	1	\$1,212.00	\$1,212.00
81	R9861520NA	Barco CSE-200 ClickShare Wireless Presentation System	1	\$1,564.00	\$1,564.00
82	GSM4212PX-100NAS	Netgear AV Line M4250-10G2XF-PoE+ Ethernet Switch - 10 Ports - Manageable - 3 Layer Supported - Modular - 240 W PoE Budget - Optical Fiber, Twisted Pair - PoE Ports - 1U High - Rack-mountable - Lifetime Limited Warranty	1	\$1,058.00	\$1,058.00
83	GSM-4248PX-100NAS	Netgear GSM4248PX-100NAS Managed Ethernet Switch w/ 48 Ports (40 x 10/100/1000BASE-T and 8 x 1000/10GBASE-X SFP Plus)	1	\$2,693.00	\$2,693.00
84		CONFERENCE MONITORS			
85	UN65TU7000FXZA	Samsung Crystal TU7000 UN65TU7000F 64.5" Smart LED-LCD TV - 4K UHD TV - Titan Gray, Black - LED Backlight - Alexa, Google Assistant Supported - 3840 x 2160 Resolution	4	\$664.00	\$2,656.00
86	MOD-FPSKIT150-B	Peerless-AV Modular Ceiling Mount for Flat Panel Display - Black - 39" to 75" Screen Support - 264 lb Load Capacity - 700 x 400, 600 x 400 VESA Standard - 1	4	\$183.00	\$732.00
87		CONFERENCE CAMERAS			
88	AW-HE145KPJ	PANASONIC SOLUTIONS COMPANY : HD / 60P Integrated PTZ w/ 20x Zoom in Black	5	\$8,285.00	\$41,425.00

**Job #2 Aurora 5th Floor Media Center**

No.	Part #	Description	Qty	Price	Ext. Price
89	PPTZUCC	NewTek ND HX Upgrade for Panasonic Cameras	5	\$278.00	\$1,390.00
90		CONFERENCE AUDIO			
91	MXWAPT8-Z10	Shure MXWAPT8 8-Channel Access Point Transceiver	2	\$2,643.00	\$5,286.00
92	MXW8-Z10	Shure MXW8 Gooseneck Base Transmitter	17	\$443.00	\$7,531.00
93	MXWANI8	Shure MXWANI8 8-Channel Audio Network Interface	2	\$954.00	\$1,908.00
94	MXWNCS8	Shure MXWNCS8 8-Port Networked Charging Station	2	\$1,357.00	\$2,714.00
95	MX410/C	Shure MX410 10" Gooseneck Mic with Cardioid Capsule, Surface-Mount Preamp, and 2-Color LED Ring on Bottom (Black)	17	\$239.00	\$4,063.00
96	TesiraFORTÉ DAN VT	TesiraFORTÉ DAN VT is a digital audio server with 12 analog inputs and 8 analog outputs	2	\$2,750.00	\$5,500.00
97	SPA2-200	QSC Amplifier - 400 W RMS - 2 Channel - 20 Hz to 20 kHz	1	\$539.00	\$539.00
98	CVS4MICRO	Tannoy CVS 4 MICRO Coaxial In-Ceiling Loudspeaker with Shallow Back Can (Pair, 4", White)	4	\$394.00	\$1,576.00
99	TANPGCVCMS40	PLASTER RING CVS 4/CMS 401/403/501/503	8	\$29.00	\$232.00
100	140-APA902B-G00	GeoVision GV-PA902BT Gigabit BT PoE++ Adapter - 120 V AC, 230 V AC Input - 54 V DC Output - 1 x Ethernet Input Port(s) - 1 x PoE Output Port(s) - 95 W	5	\$177.00	\$885.00
101		Studio			
102		STUDIO SWITCHING			
103	FG-002932-R001	TriCaster 2 Elite (3RU Chassis w/ redundant power)*	1	\$26,950.00	\$26,950.00
104	FG-001939-R001	2 Stripe Control Panel	1	\$10,750.00	\$10,750.00
105	TCRRails	Tricaster Rack Rails	1	\$80.00	\$80.00
106	PTUTC2E3RU	Newtek ProTek Ultra for TriCaster 2 Elite (Replaces Basic, 1 Year Coverage)	1	\$3,575.00	\$3,575.00
107	PTU2Stripe	Newtek ProTek Ultra for 2 Stripe Control Panel (Replaces Basic, 1 Year Coverage)	1	\$1,445.00	\$1,445.00



**Job #2 Aurora 5th Floor Media Center**

No.	Part #	Description	Qty	Price	Ext. Price
108	PSP-4hour	4 Hour Professional Services for additional training	2	\$995.00	\$1,990.00
109		Dante Virtual Sound Card	1	\$70.00	\$70.00
110	VA27EHE	ASUS VA27EHE 27" 16:9 Adaptive-Sync IPS Monitor	2	\$233.00	\$466.00
111	43UP7000PUA	LG UP7000 43" Class HDR 4K UHD Smart LED TV	2	\$348.00	\$696.00
112	VMT5-B1	SANUS Premium Series VMT5 Tilt Mount for 37 to 55" Flat-Panel Displays (Black)	2	\$129.00	\$258.00
113	NB-SKUTL5BR	NewBlueFX Titler Live 5 Broadcast	1	\$3,115.00	\$3,115.00
114		STUDIO AUDIO			
115	NY64-D	Yamaha NY64-D Dante I/O Expansion Card for TF Mixers	1	\$389.00	\$389.00
116	TF1	Yamaha TF1 Digital Mixing Console	1	\$1,634.00	\$1,634.00
117	TIO1608-D	Yamaha Tio1608-D Dante-Equipped I/O Rack	1	\$930.00	\$930.00
118	ULXD4Q-G50	Shure ULXD4Q Quad-Channel Digital Wireless Receiver (G50: 470 to 534 MHz)	1	\$4,553.00	\$4,553.00
119	QLXD1-G50	Shure QLXD1 Digital Wireless Bodypack Transmitter (G50: 470 to 534 MHz)	2	\$312.00	\$624.00
120	ULXD2/B58-G50	Shure ULXD2/SM58 Digital Handheld Wireless Microphone Transmitter with SM58 Capsule (G50: 470 to 534 MHz)	2	\$499.00	\$998.00
121	SBC200-US	Shure SBC200US Transmitter & Battery Charger with Power Supply	1	\$199.00	\$199.00
122	SB900B	Shure SB900B Rechargeable Lithium-Ion Battery for Bodypack Transmitters/Receivers	4	\$89.00	\$356.00
123	UA874	Shure UA874 Active Directional Antenna	1	\$293.00	\$293.00
124	B6W4FF05BAX	Countryman B6 Omni Lavalier Mic, Standard Sens, with Hardwired TA4F Connector for Shure Wireless	2	\$307.00	\$614.00
125	B6CAPB0D	Countryman Protective Cap for the B6 Lavalier Microphone (Black)	4	\$10.00	\$40.00
126	505453	Sennheiser MKE 600 Shotgun Microphone	1	\$298.00	\$298.00
127		STUDIO CAMERAS			

**Job #2 Aurora 5th Floor Media Center**

No.	Part #	Description	Qty	Price	Ext. Price
128	PXW-Z280	Sony PXW-Z280 4K 3-CMOS 1/2" Sensor XDCAM Camcorder	3	\$6,296.00	\$18,888.00
129	VXF7-V2	ikan VXF7 7" HDMI/SDI On-Camera Monitor V2 with Tally	3	\$547.00	\$1,641.00
130	VZ-ROCK	VariZoom VZ-Rock Variable Rocker for LANC Camcorders	3	\$189.00	\$567.00
131	FLEXP-15	Prompter People Flex Plus 15" Teleprompter with 15" Reversing Monitor	1	\$1,197.00	\$1,197.00
132	509HD,545GBK	Manfrotto 509HD Video Head & 545GB Aluminum Tripod Pro Ground-Twin Kit 100	3	\$1,774.00	\$5,322.00
133	114MV	Manfrotto 114MV Cine/Video Dolly for Tripods with Spiked Feet	3	\$437.00	\$1,311.00
134	MVAPANBARM	Manfrotto PVC-Free Pan Bar for Select Manfrotto Video Heads	3	\$47.00	\$141.00
135		STUDIO HARDWARE			
136	PT-MZ680BU7	Panasonic PT-MZ680BU7 6000-Lumen WUXGA Laser 3LCD Projector (Black)	1	\$5,063.00	\$5,063.00
137	305P MKII	JBL 305P MkII Powered 5" Two-Way Studio Monitor	2	\$179.00	\$358.00
138	CONVNTRM/AA/SDI H	Blackmagic Design Teranex Mini SDI to HDMI 12G Converter	2	\$457.00	\$914.00
139	CONVNTRM/AB/HS DI	Blackmagic Design Teranex Mini - HDMI to SDI 12G SD Card - Functions: Signal Conversion - 4096 x 2160 - NTSC, PAL - Network (RJ-45) - USB - Mac, PC - Rack-mountable	2	\$457.00	\$914.00
140	CONVNTRM/YA/SM TPN	Blackmagic Design Teranex Mini Smart Panel	4	\$79.00	\$316.00
141	CONVNTRM/YA/RS H	Blackmagic Design Teranex Mini Rack Shelf	2	\$99.00	\$198.00
142	VHUBSMART6G121 2	Blackmagic Design Smart Videohub 12 x 12 6G-SDI	1	\$1,287.00	\$1,287.00
143	PL-8 C	Furman PL-8 C Power Conditioner	2	\$193.00	\$386.00
144	GC2-MR	Forecast Consoles GC2-MR ImageMaster Edit Console	1	\$3,350.00	\$3,350.00
145	FC-AA-0825	Forecast Consoles Fully Articulating LCD Monitor Arm	2	\$293.00	\$586.00
146	FC-PA-14 SPEAKER	Forecast POST MOUNT SPEAKER PLATFORM	2	\$293.00	\$586.00
147	ERK-4425-AV	Middle Atlantic ERK-4425-AV ERK 19" Audio-Video Stand-Alone Enclosure	2	\$1,526.00	\$3,052.00

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No.	Part #	Description	Qty	Price	Ext. Price
148		Studio Comms			
149	MS-702	2-Channel 1RU Main Station with Built-in Speaker	1	\$1,277.00	\$1,277.00
150	GM-9	GM Series Gooseneck Microphones	1	\$194.00	\$194.00
151	KB-701	Single-Channel Remote Speaker Station	1	\$419.00	\$419.00
152	V-BOX	Wedge-shaped Enclosure for Encore KB Stations	1	\$283.00	\$283.00
153		Lighting			
154	SFB150	STRYDER FANLESS BI-COLOR 2800K – 6500K 150 WATT LED FRESNEL LIGHT W/ DMX	1	\$531.00	\$531.00
155	LBX10	LYRA 1 X 1 BI-COLOR STUDIO & FIELD LIGHT W/ DMX CONTROL	1	\$765.00	\$765.00
156	LBX5	LYRA HALF X 1 BI-COLOR STUDIO & FIELD LIGHT W/ DMX CONTROL	1	\$439.00	\$439.00
157	CHAMUSB2UNIVDM X512	ChamSys MagicQ Two Universe USB to DMX512 Interface	1	\$553.00	\$553.00
158		Playouts - Castus			
159	CASTUS QuickRoll 4th Generation	<p>CASTUS QuickRoll 4th Generation</p> <p>(2) Channel IP/HDSDI Video Server with (2) HDSDI / IP Inputs Each channel has (1) multicast outputs for IP out to CCS included that connects to CCS for re-stream and live stream to website &amp; other package options. *Additional outputs can be purchased</p> <p>Schedule creator and editor interface- yearly, monthly, weekly or daily</p> <p>Block scheduler interface for automated scheduling</p> <p>Web interface with confidence monitors and audio meters</p> <p>Multi file format support- ZERO transcoding</p> <p>Support for- RTMP, SRT, HLS, NDI &amp; more</p> <p>Supports Live Closed Captions and Side Car files- VTT, SCC, MCC &amp; More</p> <p>Connects to routing switching- Black Magic and more</p> <p>Playlist and multi-region playlist creator/editor</p> <p>Output to Facebook and Youtube live</p> <p>Connect to CASTUS Cloud Services (CCS)</p> <p>Generate online schedule guide to embed on website</p> <p>Video editor for assembling and trimming clips</p> <p>RSS crawl overlay capability</p> <p>File manager library</p> <p>Audio input and automatic background music detection</p> <p>Built in audio normalization for outputs</p> <p>8 global overlays per channel</p> <p>HDMI preview channel</p> <p>DVD to file rip utility</p> <p>Hardware: Super fast processor, dense form factor and extremely reliable 3RU server grade chassis</p> <p>3RU chassis with redundant power supplies</p> <p>8TB storage with RAID 1 redundancy configuration</p> <p>*Additional storage upgrades are available. 8GB RAM</p> <p>(2) HDSDI / (2) IP Outputs</p> <p>(2) HDSDI / IP Inputs</p> <p>250GB SSD for CASTUS OS</p> <p>24X DVD-RW</p> <p>INCLUDES 3 YEAR HARDWARE WARRANTY</p>	1	\$22,450.00	\$22,450.00
160	QuickRoll Option- 16TB RAID1 Upgrade	16TB RAID 1 upgrade for QuickRoll (upgrade from standard 8TB) Contains 16TB usable storage across (2X) 16TB drives in RAID 1	1	\$2,550.00	\$2,550.00

**Job #2 Aurora 5th Floor Media Center**

No.	Part #	Description	Qty	Price	Ext. Price
161	CASTUS C4 Support and Maintenance	• Access to the CASTUS Forum, with rapid response times, for up to 4 employees. • A dedicated support email address that automatically generates a support ticket for you, instantly notifying our support team. • Access to a live, certified CASTUS represen	3	\$1,200.00	\$3,600.00
162	Customer Discount	Customer Discount- first year of C4 included with the purchase of your QuickRoll. The next (2) years have been included at no charge for a special 'new customer discount'.	1	(\$3,600.00)	(\$3,600.00)
163	CASTUS Cloud Services	CASTUS Cloud ServicesVideo On Demand (ABR)  CASTUS Cloud ServicesVideo On Demand 1080PCASTUS Cloud Portal for control panel and admin accessEasy upload web interface to CASTUS Cloud (AWS)Auto transcode to 1080p .mp4Detailed analytics for individual videos and batch reportsAbility to index and chapterize live meetings and video filesAccess to download .mp4 HD video files for freeOptions for further customizationFront End Video Guide Easy to navigate home pages with playlists and live categories.Search function with 'smart word' searchAbility to feature videos and playlistsCustomizable home screen and bannerUser account management with social engagement (like, dislike and comment)Social media sharing toolsDesktop and mobile supported interfacesCloud Specs CDN with unlimited number of live viewersUnlimited number of embedable LIVE HLS streams (Live channels)2TB storage limit with file manager (each additional TB \$100 per month)Auto transcode to downloadable .mp4 file	1	\$3,700.00	\$3,700.00
164	CASTUS Cloud Services	CASTUS Cloud ServicesVideo On Demand (ABR)  CASTUS Cloud ServicesVideo On Demand 4 Profile Adaptive Bit-Rate (ABR)CASTUS Cloud Portal for control panel and admin accessEasy upload web interface to CASTUS Cloud (AWS)Auto transcode to Adaptive Bit Rate (ABR)- 4 profilesDetailed analytics for individual videos and batch reportsAbility to index and chapterize live meetings and video filesAccess to download .mp4 HD video files for freeOptions for further customizationFront End Video Guide Easy to navigate home pages with playlists and live categories.Search function with 'smart word' searchAbility to feature videos and playlistsCustomizable home screen and bannerUser account management with social engagement (like, dislike and comment)Social media sharing toolsDesktop and mobile supported interfacesCloud Specs CDN with unlimited number of live viewers	1	\$4,750.00	\$4,750.00
165	CASTUS Cloud Services	CASTUS Cloud ServicesVideo On Demand (ABR)  CASTUS Cloud ServicesClosed Captioning (LIVE Event Captioning)- 500hrs/yr95% + accuracy500 hours of LIVE captioning annuallyCASTUS Cloud Portal for control panel and admin accessEasy to use web portal to connect to CASTUS CloudAuto transcode audio stream from QuickRoll/QuickCast for live captioningEasy to use intuitive interface to edit captionsAbility to download caption files for archival purposes	1	\$3,700.00	\$3,700.00
166	CASTUS Cloud Services	CASTUS Cloud ServicesVideo On Demand (ABR)  CASTUS Cloud ServicesVideo On Demand Mobile AppREQUIRES CASTUS VODCASTUS Cloud Portal for control panel and admin accessEntire app deployed to Apple iOS and Google Android PlaystoreCalendar and News Feed tabs with weather and financial tickersAdmin can moderate posts and usersSocial media engagement features- like/dislike and comments (can be disabled) Easy to navigate fully functional app interfaceSearch functionalitySupport and updates	1	\$1,975.00	\$1,975.00
167		KCM			

**Job #2 Aurora 5th Floor Media Center**

No.	Part #	Description	Qty	Price	Ext. Price
168	KCM-MAT	Materials Additional intercablling and connectors and parts needed to complete integratione	1	\$8,000.00	\$8,000.00
169	TSPRO-15	Install system Integration of Project, cost includes system test, checkout and training.	11	\$1,600.00	\$17,600.00
170	TSPRO-15	Design Complete design of system including final drawings	2	\$1,800.00	\$3,600.00
171	Crestron Programming	Custom control programming of all rooms, any combination, includes control of all monitors, control of all 4 Audio Digital signal processors and onsite set up and test.nna	1	\$12,500.00	\$12,500.00
172	Training	1 day Training. Note: Customer is responsible for contacting	1	\$995.00	\$995.00
173	TSPRO-13	Key Code Media Project Management Project Management Services / Single point of contact who will coordinate a Project Kickoff discussion, prepare a deployment timeline, coordinate staffing, track issues and risks, and regularly communicate Project status. cost includes Project Manager or Project Engineer on scheduled conference calls.	2	\$1,650.00	\$3,300.00
174	STD FREIGHT	Shipping by Common Carrier	1	\$3,000.00	\$3,000.00

**Subtotal: \$297,424.00**

## Job #1 Aurora Council Chambers



**Prepared by:**

**Key Code Media, Inc. - Illinois**  
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**Bill To:**

**City of Aurora**  
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**Quote Information:**

**Quote #: 220843**  
 Version: 1  
 Delivery Date: 04/12/2022  
 Expiration Date: 04/29/2022  
 Terms: 50% Down, 50%  
 COD

## Quote Summary

Description	Amount
Job #1 Aurora Council Chambers	\$206,715.00
Job #2 Aurora 5th Floor Media Center	\$297,424.00
<b>Total:</b>	<b>\$504,139.00</b>

This Sales Quote ("SO") incorporates the Terms and Conditions found at <http://www.keycodemedia.com/terms/salesorder> ("T&C") and constitutes an offer or counter-offer, as applicable, by Key Code Media, Inc. or Burst Communications ("Seller"). This SO, including the T&C incorporated therein, shall become binding on the buyer listed herein ("Buyer") on the earliest of Buyer's: (i) acknowledgement hereof; or (ii) receipt of any goods and/or services ordered hereunder. No Buyer acknowledgement form, purchase order, or other document shall modify the SO or the T&C.

### Key Code Media, Inc. - Illinois

### City of Aurora

Signature: \_\_\_\_\_  
 Name: Brian Allegretti  
 Title: Regional Sales Manager  
 Date: 04/12/2022

Signature: \_\_\_\_\_  
 Name: Jeff Anderson  
 Date: \_\_\_\_\_