

Room AV System Installation Estimate (VTC system with software conferencing support)

Boca BS103 VTC Classroom

Sources: Room PC, laptop via VGA/HDMI/Mini-Displayport connections, document camera

Display Equipment

QTY	Manufacturer	Model	Description	Unit Cost		Extended Cost	
1	Epson	G6070W	5500 ANSI Lumen WXGA Multimedia Projector w/ HDBT	\$	2,365.00	\$	2,365.00
1	Epson	ELPLP76	Spare lamp for G6070 projector	\$	440.00	\$	440.00
1	Chief	CMS440	Projector Mount - Ceiling Portion	\$	60.49	\$	60.49
1	Chief	CMS003W	Pipe for Mount, 3" Length, White	\$	10.06	\$	10.06
1	Chief	RPAA1W	Projector Mount - Projector Portion, White (Lock "A")	\$	126.65	\$	126.65
1	Draper	252194	109"D 16:10 Fixed-Frame Screen	\$	744.00	\$	744.00
2	Samsung	ED75E	75" LED-LCD Panel (HDMI-CEC and RS232 Control)	\$	3,000.00	\$	6,000.00
2	Chief	XSMU	Fixed Wall Mount for Flat Panels (For 55"-75" Displays)	\$	180.00	\$	360.00
3	APC	AV C2	TYPE 10 WALL MOUNT POWER FILTER/REG for projector/flat panel displays	\$	69.95	\$	209.85
1	Crestron	DM-RMC-4K-SCALER-C	4K DM Receiver/Scaler	\$	900.00	\$	900.00
1	Crestron	DM-RMC-4K-100-C	DM Receiver	\$	463.92	\$	463.92
2	Crestron	CBL-HD-6	Crestron® Certified HDMI® Interface Cable, 6'	\$	26.00	\$	52.00
1	Planar	PCT2265	22" 1080p touchscreen monitor with VESA mount & USB hub	\$	400.00	\$	400.00
1	Ergotron	45241026	Arm for Sympodium	\$	127.60	\$	127.60

Source Equipment

QTY	Manufacturer	Model	Description	Unit Cost		Extended Cost	
1	Wolfvision	VZ-3	Document Camera	\$	2,347.00	\$	2,347.00
1	Crestron	CBL-HD-DVI-12	Crestron® Certified DVI-HDMI® Interface Cable, 12'	\$	36.08	\$	36.08
1	Dell	Optiplex 3040	Room PC w/ DisplayPort out	\$	680.00	\$	680.00
1	Startech	DP2HDMI2	DisplayPort® to HDMI® Video Adapter Converter	\$	24.00	\$	24.00

Control/Switching Equipment

QTY	Manufacturer	Model	Description	Unit Cost		Extended Cost	
1	Crestron	CP3N	Control System	\$	1,465.00	\$	1,465.00
1	Crestron	DM-MD8X8	8x8 DigitalMedia™ Switcher	\$	2,416.00	\$	2,416.00
3	Crestron	DMC-4K-HD-HDCP2	4K HDMI® Input Card for DM® Switchers	\$	625.00	\$	1,875.00
1	Crestron	DM-TX-302-C	4K DigitalMedia 8G+® Transmitter 302	\$	1,100.00	\$	1,100.00

1	Crestron	DMC-4K-C-HDCP2	HDBaseT® Certified DigitalMedia 8G+™ Input Card for DM® Switchers	\$	688.00	\$	688.00
3	Crestron	DMC-DVI	DVI/RGB Input Card for DM Switchers	\$	-	\$	-
2	Crestron	DMC-4K-CO-HD-HDCP2	2-Channel HDBaseT® Certified 4K DigitalMedia 8G+® Output Card	\$	813.00	\$	1,626.00
1	Crestron	DMC-4K-HDO	2-Channel 4K Scaling HDMI® Output Card for DM® Switchers	\$	1,125.00	\$	1,125.00
1	Crestron	GLS-ODT-C-CN	Dual-Technology Occupancy Sensor with Cresnet®, 2000 Sq. Ft.	\$	144.00	\$	144.00
5	Crestron	CBL-HD-6	Crestron® Certified HDMI® Interface Cable, 6'	\$	26.00	\$	130.00
1	Crestron	CBL-DVI-6	Crestron® Certified DVI Interface Cable, 6'	\$	26.00	\$	26.00
1	Crestron	CBL-HD-DVI-6	Crestron® Certified HDMI® to DVI Interface Cable, 6 ft	\$	26.00	\$	26.00
1	Ubiquiti	ERPOE-5	VPN Router	\$	150.00	\$	150.00
1	Luxel	AMS-2616P	AV Series 26-Port(24 RJ45)/16 PoE+ Gigabit Managed Switch, Variable Fan (Faces rack rear)	\$	795.00	\$	795.00
2	Middle Atlantic	PD-915R	Rack mount power strip	\$	176.00	\$	352.00

User Interface Equipment

QTY	Manufacturer	Model	Description	Unit Cost	Extended Cost
1	Crestron	TSW-1050-B-S	10" Touch Screen, Black Smooth	\$ 1,500.00	\$ 1,500.00
1	Crestron	TSW-1050-TTK-B-S	TableTop Kit for TSW-1050, Black Smooth	\$ 125.00	\$ 125.00

Audio/Conferencing Equipment

QTY	Manufacturer	Model	Description	Unit Cost	Extended Cost
1	Crestron	AMP-2210T	2x210W Commercial Power Amplifier, 4/8Ohm or 70/100V	\$ 783.00	\$ 783.00
6	Crestron	Saros_ICE6T-W-T-EACH	Saros 6.5" 2-Way In-Ceiling Speaker, White Textured	\$ 93.00	\$ 558.00
1	AudioTechnica	ES915C21	Gooseneck Microphone	\$ 270.00	\$ 270.00
1	Revolabs	01-HDVENU-NM	HD Venue Base Station (Supports 2 mics)	\$ 695.63	\$ 695.63
1	Revolabs	01-HDEXEMIC-11	HD Venue Lapel Mics	\$ 325.73	\$ 325.73
3	Hosa	PHX-206F	Phoenix-Male to 3-Pin XLR Female Adapter (6")	\$ 6.20	\$ 18.60
1	Pearstone	SM-06	SM Series XLR M to XLR F Microphone Cable (6')	\$ 6.50	\$ 6.50
2	Pearstone	SM-01	SM Series XLR M to XLR F Microphone Cable (1')	\$ 3.50	\$ 7.00
1	Biamp	TesiraForte TI AVB	Audio DSP w/ 12 AEC analog inputs, 8 analog outputs, USB Tx/Rx, AVB Expansion, Telephone	\$ 2,400.00	\$ 2,400.00
1	Vaddio	999-9909-000	RoboSHOT 12 QUSB System (12x zoom lens, for presenter view, 73 deg FOV)	\$ 4,400.00	\$ 4,400.00
1	Cisco	CTS-SX20PHD2.5X-K9	Cisco TelePresence SX20 Quick Set with PrecisionHD 2.5x Camera	\$ 4,200.00	\$ 4,200.00
1	Startech	ICUSB232V2	1 Port USB to RS232 DB9 Serial Adapter Cable - M/M	\$ 15.00	\$ 15.00
1	Startech	SCNM9FF1MBK	1m Black DB9 RS232 Serial Null Modem Cable - F/F	\$ 15.00	\$ 15.00
1	Revolabs	07XLRTO35M401	XLR Female to 4-Conductor 3.5mm Male Cable (3')	\$ 25.00	\$ 25.00
1	Hosa	PHX-206M	Phoenix to 3-Pin XLR Adapter (6")	\$ 6.20	\$ 6.20

Furniture, AV Interface Equipment

QTY	Manufacturer	Model	Description	Unit Cost	Extended Cost
1	Spectrum	55260TW	"Media Director" Presenter's Lectern, with Wheels	\$ 2,398.80	\$ 2,398.80
1	Spectrum	55263	Flip-up shelf for Media Director	\$ 200.00	\$ 200.00
1	Extron	60-1397-02	Cable Cubby 1200, Black, US AC	\$ 348.00	\$ 348.00
1	Extron	70-1065-11	Retractor Series/2 VGA-A	\$ 290.00	\$ 290.00
1	Extron	70-1065-18	Retractor Series/2 MiniDisplayPort-DisplayPort	\$ 290.00	\$ 290.00
1	Extron	70-1065-04	Retractor Series/2 HDMI	\$ 290.00	\$ 290.00
Equipment Total					\$ 46,432.11
Vendor Installation Materials (Estimate)					\$ 1,500.00
Vendor Installation Labor (Estimate)					\$ 10,000.00
FAU OIT Config & Programming					\$ -
Room Project Total					\$ 57,932.11
Electrical work required: power on walls for flat panel displays (Estimate)					\$ 1,300.00
Telecom work required: 6 new data ports needed at lectern (Estimate)					\$ 2,400.00
Note: carpenting is recommended prior to AV installation work					