Specifications -Tender Proc/376- Smart Classroom Solutions

Equipment	Specification	item Descripotion
Automatic Tracking System 2x E PTZ cameras with Tracking	attached saperatly	1106983 - Native Microsoft Teams Rooms system for ProAV rooms
		• 2x UVC86 dual-eye Intellient camera, VCR20 remote control, power adapter, wallmount bracket and cables;
		• Yealink MCoreKit-C5 (with MCore Pro mini-PC, MTouch Plus and RoomSensor), power adapter, cables and wall braket;
		• 1x AVHub multi-camera processor, power adapter and cables;
		• 1x MVC-BYOD-Extender USB-BYOD adapter;
		• 2x WPP30 for wireless content sharing;
		• The mini-PC computer preloads Windows 10 IoT Enterprise OS and license, Microsoft Teams Rooms App, as well as Yealink Camera Control Plug-in;
		• No audio devices;
		• Including 2-year hardware warranty.

86 Interactive Digital Board	attached saperatly	UD 86 Interactive Screen
Speakers	Frequency Range (-10dB): 41Hz – 25kHz Frequency Range (-3dB):55Hz – 20kHz Power Capacity:160 Watts Continuous Program Power;80 Watts Continuous Pink Noise Nominal Sensitivity:90dB Nominal Coverage Angle:90 degrees x 90 degrees coverage Directivity Factor (Q):7.6 Directivity (DI):8.1dB Rated Maximum SPL:110dB @ 1 meter (3.3 feet) average, 116dB peak Rated Impedance:8 Ohms nominal, 6 Ohms minimum Transformer Taps:70V: 60W, 30W, 15W and 7.5W 100V: 60W, 30W and 15W Crossover Point:2750Hz	- PS-S83T MKII BLACK

Amplifier	INPUTS:Analog: 4 Balanced Inputs with user selectable 26 dB and 34 dB input sensitivity, THD+N:0.1% (20Hz to 20kHz) FREQUENCY RESPONSE:20Hz to 20kHz, +/- 0.5 dB @ 4Ω, 8Ω, 70V, 100V, -2.5dB @ 20kHz at 2Ω SIGNAL TO NOISE LEVEL:105dB (20Hz to 20kHz referenced to 8Ω) CROSSTALK:70dB (20Hz to 20kHz) AMPLIFIER OUTPUT CLASSIFICATION:Class D with Proprietary Smart Power Bridge Technology allowing bridged output functionality without sacrificing an amplifier channel DSP ARCHITECTURE:Analog Devices Sigma 96kHz DSP Processor with 32-bit Core with Sample Rate Converters INPUT MATRIX:Routable matrix; any input to any output with primary and secondary input priority CROSSOVERS:Up to 48 dB/Octave IIR Filters (Linkwitz Riley and Butterworth) PARAMETRIC EQ:8 Band Parametric EQ per channel OUTPUT DELAY:100ms per channel OUTPUT PROTECTION:DC, VHF, and AC Mains Protection, Overtemp and Current Limiter, fan fault detection USER ADJUSTABLE LIMITING:Peak Voltage and RMS Voltage USER INTERFACE:Web Browser User Interface, 3rd Party API control, or CLOUD control EXTERNAL I/O:External I/O In: Toggles Remote On/Off External I/O Out: Indicates Amplifier Health LOAD MONITORING:Realtime Load Monitoring and Pilot Tone Detection from Internal or External Sources AC MAINS:100VAC - 240VAC +/- 15% 50Hz or 60Hz POWER SUPPLY:Universal Switch Mode Power Supply	4 Channel x 160 watt @ 4Ω, 8Ω, 70V and 100V per channel. Internal DSP w/ Crossovers, IoT Device with built in Wi-Fi Hotspot, Wi-Fi or FAST Ethernet connectivity and Highly Efficient Power Supply with Class D Output Stage
Digital Audio Processor	attached saperatly	CONVERGE Pro 2 128VT - DSP Mixer with 12 Mic/Line AEC Inputs, 8 Mic/Line Outputs, USB Audio, VoIP, Telephone Interface,P-Link 16x16 and C-Link 150 channels Digitial Bus.

6 Directional MIC Wireless Microphone System	attached saperatly	8 Channel Wireless Receiver - 8 Channel Wireless Receiver with RF band M610 (603-630 MHz) Compressed; 8-bay docking station included.
		Wireless Handheld Transmitter Cardioid - Wireless Handheld with H18, Condenser, Cardioid Microphone capsule with RF band M610 (603-630 MHz) Compressed
		Wireless Beltpack Transmitter - Wireless Beltpack Microphone with TA4F, Mini XLR mic connection - RF band M610 (603-630 MHz) Compressed
		UVHF WIRELESS MIC SYSTEM - Lavalier Mic Omni
		Extension Antennas - Ceiling Mount without cables - Wireless Extension Antennaswith only pair of ceiling mount antennas, without cables, for RF band M610 (603-630 MHz). Choose cables from "Accessories for all RF Ranges".
		Extension Antenna Cable RG58, 75 Ft - RG58 Plenum Cables w/ TNC Male Connectors-75-Ft, 1each
		CONVERGE Pro 2 128VT - DSP Mixer with 12 Mic/Line AEC Inputs, 8 Mic/Line Outputs, USB Audio, VoIP, Telephone Interface,P-Link 16x16 and C-Link 150 channels Digitial Bus.
Classroom UPS	2 KVA UPS online	2 KVA UPS online

Light Board Studio	attached saperatly	All equipment is integrated for easy startup and shutdown of the entire studio with the press of one button - begin recording in seconds! Integrated equipment does real-time left-right flip of video image. Live stream video using plug-and-play USB connection Operate as a self-service studio with One Button recording to USB drive Add and interact with image and video overlays Choose from a variety of presentation scenes including overlay and picture-in-picture modes using a touchscreen user interface Dual displays function as: Confidence monitor Live video conference participants and/or presenter notes display Laptop In - BYOD! A user is able to bring their own laptop and use as the overlay source just buying plugging in an HDMI. Consider adding the Automated Recording Sign to your studio as well!
Media Transfer Unit DVI/RJ-45		Cabling as per actual as per room survey i.e HDMI, CAT 6 cable. NOTE: electrical cable is not included.

Important Note: Whereever in specifications, brand name is mentioned, please read with the words " or equivalent " after brand name.