

Specifications

S/No.	Description	Qty.
1	<p>Screen Size 98", IPS Panel, Direct LED, 16:9, 3840 x 2160 (UHD), Refresh Rate 60 Hz, Brightness-440 nits without Glass max, Contrast Ratio 1200:1, color depth 10bit, response time 8ms, Life Time ≥ 50000 Hours, Connectivity- input-3x HDMI (HDCP 2.2/1.4), Audio In, RS232C, LAN, IR inbuilt, 4x USB 3.0 Type A, 1x USB 2.0 Type A, 1x USB Type-C (DP-Alt. Mode), OUTPUT- HDMI, Audio 3.5mm Jack, Optical Audio, 2x Touch USB, LAN, HW-Quad Core Processor, 8GB RAM, 64GB Internal Memory, 4T Thickness Glass with 40 Touch Points, OPS Slot with Built-in power, USB Block, Anti Glare Coating on glass surface, 9 Mohs Hardness, Haze 25%, Touch accuracy ±1.5mm or less, Local Key Operation, Auto Brightness Sensor, SW-Android 13.0 EDLA Certified, Whiteboard, Screen Share (Up to 9 screens simultaneously, Booting Logo change, Google Play Store, DMS software from same OEM of display, Operation Temperature- 0 °C to 40 °C, Operation Humidity-10% ~90%RH, Power Consumption, Typ-395W, Conformal Coating on Power Board, Speakers 15 watt x 2, Product Quality Certifications-ISO9001, ISO14001, ISO45001 with 3 years warranty</p>	1
2	<p>Display Size- Shall not be less than 43 inches, Brightness- Minimum 240 Nits or Better, Contrast Ratio Static-1200:1 or better, The display shall integrate a multi-core AI-assisted 4K engine capable of real-time content up-conversion, dynamic tone mapping, and support HDR10 / HLG, bit-depth interpolation up to 10-bit HEVC decoding at 60 fps, Audio Output (10 W × 2), AI-based equalization, and support multi-channel Dolby Atmos, Broadcast Compatibility- Embedded multi-standard tuner section shall accommodate DVB-T/T2, DVB-C, DVB-S/S2, and analog PAL, Connectivity Interface- 3 or more HDMI, USB (v2.0/v3.0), SPDIF optical digital output, dual RF ports,, dual-band Wi-Fi and Bluetooth 5.0 or higher, Smart OS Environment- The display shall operate on a secured embedded OS (OEM owned) supporting sandboxed application containers, OTT access, Should have more than 125 IP channel without any subscription and set-to box, voice recognition (such as smart home or hub platforms), Smart casting & Device Sync- Wireless screen casting from (Windows, Android, iOS, macOS) using standardized casting protocols Google Cast, Airplay, OTT & Channel-USB Cloning, IP Control, App Blocking, Input Locking, Power Consumption- 110W Typ. Or better</p>	1
3	Floor Stand, Compact Height Adjustable Steel TV Cart (1020-1320mm)	1
4	<p>Supply of Full HD 1080p @ 60 frames per second PTZ Camera with minimum 20X Optical Zoom and FoV of minimum 57 deg, min 255 Presets. Camera should support simultaneous outputs through Ethernet, HDMI, 3G-SDI & USB 3.0, Audio In and can be controlled via RS232 & 422 In & Out & IP. Panning angle -170° ~ +170°, Tilting angle -30° ~ +90°. The tilting and panning speed of camera should be minimum 200° per second. Camera should support SRT, Free-D Protocol, PoE and Virtual USB Driver. Camera can be controlled and managed through centralized software on network. Quoted model should be BIS, CE, FCC & RoHS Certified with Test Lab Reports.</p>	1

5	Supply of Full HD PTZ Camera supporting 1080p at 60 Frames per Second, minimum 12X Optical Zoom with FoV of minimum 70 degree and minimum 255 presets. Camera should support simultaneous outputs through HDMI, USB 3.0 & IP with Audio In and controllable via RS232/422 and IP. Panning angle -170° ~ +170°, Tilting angle -30° ~ +90. Camera should support SRT, PoE & should be compatible with Virtual USB Driver. Camera can be controlled and managed through centralized software on network. Quoted model should be BIS, Clickshare, CE, FCC & RoHS Certified with Test Lab Reports.	2
6	Supply of camera wall mount metal stand. It should be constructed with durable material and can be attached right side up or upside down, depending on camera configuration and requirement. OEM accessory will give a perfect fit and features pre-drilled installation hardware and cable holes.	3
7	Supply of AI-based seamless video tracking controller for integration with conference microphone systems and PTZ cameras. The system shall support automatic speaker tracking with intelligent camera seamless switching and control of minimum 16 cameras simultaneously. It shall provide at least 500+ preset positions along with unlimited virtual tracking points for flexible seating layouts. The controller shall support advanced features such as dual-speaker tracking, split-screen display, and automatic switching to panoramic view in the absence of active microphones. It shall include Two HDMI output with minimum Full HD (1920 × 1080) resolution and support control interfaces such as RS-232, RS-485, and RJ-45 (IP-based control). The system shall offer a web-based user interface for configuration, monitoring, and control via PC or tablet without additional software. The scope shall include all necessary accessories, cabling, mounting, programming, and integration required for a complete operational system.	1
8	Supply of network switch with Provide & manage the power of PTZ cameras, IP phones, 11ac wireless AP, IP surveillance, and other powered devices. 8 sets of 10/100/1000 Mbps RJ45 copper ports featuring 30W(max.) power for each POE port. Complies with IEEE 802.3at POE, end-span PSE. Remote power feeding up to 100M in standard mode. Supports SFP auto-detection and dual speed. The distance can be extended from 550M to 2KM (multi-mode fiber) and up to 10/20/30/40/50/70/120KM (single-mode/WDM fiber), easily realizing ultra-long-distance transmission.	1
9	Supply of HDMI to USB 3.0 video converter. Supports up to 4K UHD (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video input and output. simultaneously streaming the audio and video signal at 1080p to a USB connected PC for capture or re-broadcast. Automatically scales 4K sources to 1080p for USB capture. Video timing stabilization feature helps to ensure that the USB capture stream won't lock up or drop, even if the HDMI input source is intermittent or becomes disconnected. Digital stereo audio from either HDMI (LPCM 2.0) or the 3.5mm analog audio input will be captured with the HDMI video source and is selectable within the configuration software. Inputs 1x HDMI [1x Uncompressed AV and Data] 1x 3.5mm [1x Stereo(L/R)]. Outputs 1x HDMI [1x Uncompressed AV and Data]. 1x USB Type-B [1x Propriety Data]	1

10	Supply of 4K HDMI extender kit (Transmitter and Receiver). Transmitter should have 1x HDMI input port. 1x HDBaseT (RJ-45) output port. 1x IR Extender, 1x IR Blaster, 1 RS232 DE-9, 1x LAN (RJ-45) control ports. Maximum Input HDMI 4K@60 8bit YUV 4:2:0 and Maximum Output HDBT 4K@60 8bit YUV 4:2:0. Receiver should have 1x HDMI output port. 1x HDBaseT (RJ-45) input port. 1x IR Extender, 1x IR Blaster, 1 RS232 DE-9, 1x LAN (RJ-45) control ports. Maximum Input HDMI 4K@60 8bit YUV 4:2:0 and Maximum Output HDBT 4K@60 8bit YUV 4:2:0. Both Tx and Rx should be HDMI 2.X and HDCP 2.X compliant. Extension length 100m/328ft at 1080P & 70m/229ft at 4K. Should support CEC bypass and should Audio support up to 7.1CH & Dolby True-HD, DTS-HD Master Audio and 3D, 4k2k support. Should support bi-directional POC for simplified cabling. Product should be CE & FCC Certified.	3
11	Supply of table flush mount with Aluminum black table mount male to female cable cubby with HDMI, USB 3.0, USB-C, LAN, Power cables.	1
12	Supply of UHD+ 3x2 Matrix Switcher with USB Ethernet Hub, Input Port - 2 x HDMI, 1 x USB-C, Output Port - 2 x HDMI, 1 x Stereo Audio (3.5mm), Bi-directional Port - 2 x RS-232, 1 x RJ-45, Control I/O - 2 x USB 3.0 (Type A) with Service function (USB 1 only) - 1 x USB 3.0 (Type B), HDMI 2.0, HDCP Compliance - 2.X, Input Signal Types 4096x2160p@60 YUV 4:4:4, Output Signal Type 4096x2160p@60 YUV 4:4:4, LPCM 2.0 / 5.1 / 7.1 High Definition Bitstream, USB-C port should provide up to 60W or better power to the connected device, should Supports auto-switch functionality, 4K HDR formats by HDR10, HLG and Dolby Vision. Product Should be CE & FCC certified. Controllable via front panel controls, WebGUI, Telnet and RS-232.	1
13	Supply of USB 3.2 Extenders. Transmitter should have 1xUSB C input port, 1X RJ45, 1xUSB-A Output Port. Receiver should have Input Port 1xCat5e/6A/7 (RJ45). 1xUSB-C, 3xUSB-A Output Port. Bandwidth up to 5Gbps (SuperSpeed), Transmission distance up to 100M. Devices should be controllable by the USB host on a transmitter. Should have backward compatibility with USB 2.0	1
14	<p>Supply of control unit should be capable of managing a minimum of 9 chairman units and up to 500 delegate units using extension power supplies. The system must support PTZ control for 12 or more cameras to enable the “Look at Me” feature for automatic camera tracking. The control unit should feature a 128x64 pixels digital LCD display for configuration and status monitoring. It must include an auto self-testing function on power-up. The system should also support voting functions and a graphical user interface (GUI) for simplified operation.</p> <p>The product must be CE and FCC certified.</p> <p>Technical Specifications:</p> <ul style="list-style-type: none"> • Frequency Response: 50 Hz ~ 16 kHz (±1 dBV) • Total Harmonic Distortion (THD): ≤ 0.1% • Signal-to-Noise Ratio (S/N): ≥ 85 dB • AUX Output: RCA jack (balanced) • AUX Input: AUX 1 (RCA) • Microphone Outputs: 4 Zone individual outputs dedicated to microphone units for 4 zone amplifiers. • USB Port (Type A): Supports PC audio recording and soft video conferencing (VC) • Network Control: TCP/IP protocol via wired or wireless network using PC or mobile devices • Control Interfaces: RS-232, RS-485 (D+, D-), and LAN port for programming and system control 	1

	<ul style="list-style-type: none"> • Microphone Connectivity: CAT5e cable with 4 sets of RJ-45 ports • Ethernet Technology: 10 Mbps Ethernet 	
<p style="text-align: center;">15</p>	<p>Supply of Tabletop Microphone Chairman Unit</p> <p>The chairman unit should be with a stable base to prevent movement or scratching on the table surface. Microphone Should be Cardioid feature only receive the front speaker’s voice and avoid taking the surrounding noises such as loudspeakers and other attendees’ discussion. It features an OLED display that clearly indicates the current operation mode and microphone ID number. The push-to-talk button is equipped with multi-color LED indicators (white, red, green, and orange) to represent various operation statuses: ready to speak, speaking, override, and FIFO. Chairman unit has the highest priority in the system and can control delegate units with the following functions: Instant OFF, Permanent OFF, and Temporary OFF—allowing the chairman to mute all active delegate microphones as needed. Any delegate unit can also be configured as a vice-chairman. The unit includes a built-in DSP chip, AGC, and adjustable sensitivity for enhanced audio quality. The microphone stem length shall not exceed 32 cm. Able to avoid the interference of electromagnetic wave from cellphones even though the distance is only within 10cm. Mic should be quickly plug in and remove from the microphone unit with screw ring. The product must be CE and FCC certified. Technical Specifications:</p> <ul style="list-style-type: none"> • Sensitivity: -47 dBV/Pa • Microphone Type: Electret Condenser, Cardioid • Microphone Signal-to-Noise Ratio (S/N): > 55 dB • Microphone Frequency Response: 65 Hz ~ 20000 Hz • Total Harmonic Distortion (THD): < 0.1% • Output Impedance: - 680Ohm (1Khz) • Connection: CAT5e (includes 1-meter cable) <p>Operating Voltage: DC 12–24V (supplied by the MCU)</p>	<p style="text-align: center;">1</p>

16	<p>Supply of tabletop microphone delegate unit features a stable base to prevent movement or scratching on the table surface. Microphone should be cardioid feature only receive the front speaker's voice and avoid taking the surrounding noises such as loudspeakers and other attendees' discussion. An OLED display clearly indicates the operating modes and microphone ID number. The push-to-talk button is equipped with multi-color LED indicators—white, red, green, and orange—to represent different operation modes: ready to speak, speaking, override, and FIFO. Any delegate unit can be configured with a vice-chairman identity. The unit is equipped with a DSP chip, AGC, and sensitivity adjustment to enhance audio quality. The microphone stem length shall not exceed 32 cm Able to avoid the interference of electromagnetic wave from cellphones even though the distance is only within 10cm. Mic should be quickly plug in and remove from the microphone unit with screw ring. The product must be CE and FCC certified. Technical Specifications:</p> <ul style="list-style-type: none"> • Sensitivity: -47 dBV/Pa • Microphone Type: Electret Condenser, Cardioid • Microphone Signal-to-Noise Ratio (S/N): > 55 dB • Microphone Frequency Response: 65 Hz ~ 20000 Hz • Total Harmonic Distortion (THD): < 0.1% • Output Impedance: - 680Ohm (1Khz) • Connection: CAT5e (includes 1-meter cable) <p>Operating Voltage: DC 12–24V (supplied by the MCU)</p>	10
17	<p>Supply of 4 ports of RJ45 connectors. Two screw holes for fixing on the table. Effectively decrease the length of using cables and increase the cabling flexibility. Should be same OEM of conference system.</p>	11
18	<p>Supply of 2.5 meters of Cat6/Cat5e LAN-Patch cable, featuring 8 x 0.14 mm² gauge wires. Equipped with RJ45 metallic connectors and accompanying protective boots, ensuring reliable connectivity and optimal performance. Includes all necessary company-fitted standard accessories for seamless integration. Should be same OEM of conference system.</p>	11
19	<p>Supply of 10 meters of Cat6/Cat5e LAN-Patch cable, featuring 8 x 0.14 mm² gauge wires. Equipped with RJ45 metallic connectors and accompanying protective boots, ensuring reliable connectivity and optimal performance. Includes all necessary company-fitted standard accessories for seamless integration. Should be same OEM of conference system.</p>	4
20	<p>Supply of Digital signal processor with 4 balanced/line inputs + 4 balanced/line outputs. Sampling Rate: 48k@24bit. Phantom Power 48V. Frequency Response 20Hz ~ 20K Hz, ±0.3dB. THD+N ≤0.005% @1k, 4dBu. Digital-analog Dynamic Range (A-weighted) 114dB. Analog-digital Dynamic Range (A-weighted) 120dB. Input Impedance (Balanced) 20kΩ. Output Impedance (Balanced) 100Ω. EIN (A-weighted) ≤-125 dBu. Channel Isolation 100dB @1k Hz, 4dBu. Common Mode Rejection 70dB@80Hz. Maximum Input / Output Level 18dB. Background Noise -90dBu. System Delay ≤9ms.external control interfaces: RS232, RS485, USB, GPIO and Internet access. Support for Windows and iOS.</p>	1
21	<p>Supply of 17U Rack 600 X 600 MM dimension + one Fans + Two Trays 375 MM + One 6 Socket 5amp PDU + One PVC Cable Manager + Hardware packet, Front Door of Rack is Toughen Glass with Lock and Rear Door is made of CRCA Sheet perforated with lock. Rack is made of CRCA Sheet Metal. Sides of Rack are fixed and Sides are perforated with Industry standard. Two Castor with Brake and Rear Two Castor are without Brake.</p>	1

22	Installation, testing, and commissioning of the supplied equipment and systems, including all necessary connectors, cabling, and related works (excluding electrical and civil works), fully completed as per the specifications and drawings. The scope includes installation, configuration, programming, testing, commissioning, and demonstration to ensure proper performance at the site. As per site	1
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