











## ANNEX 1

### Specifications for Video Conferencing equipment

**Qty: 10 (FHS -01, FE-01, BS-01, FHTS-01, FEST-01, FA-01, CA-03 , CMS-01)**

		Your brand and Specifications
	<b>Minimum Requirements</b>	
<b>Model</b>	<b>AVer VC550 or equivalent</b>	
<b>Dual Lens Camera (CAM550 or equivalent)</b>		
Image Sensor	Sony 4K EXMOR, crystal clear in any lighting	
Frame Rates	(16:9) 4K 30fps; 1920x1080, 1600x900, 1280x720, 960x540, 848x480, 800x448, 640x360 at 60, 30, 15fps. (4:3) 1280x960, 800x600, 640x480 at 60,30,15fps	
Zoom	24X Zoom: 12X Optical, 12X Digital zoom	
Wide Field of View	DFOV 85°, HFOV 76°, VFOV 46°	
Lens Focal Length	3.9mm (wide) ~ 47.3mm (tele)	
Lens F#	1.8 (wide) ~ 2.8 (tele)	
AE, White Balance	Auto, Manual override via PTZApp 2	
Minimum Focus Distance	1.5m	
Motorized Pan & Tilt	Pan: ±170°; Tilt: +90° (up) -30° (down)	
Preset Number	10 via IR remote, 128 via RS323	
<b>Secondary Fixed Lens (AI lens)</b>		
Image sensor:	Sony 4K EXMOR	
Frame rates and resolution:	Set according to PTZ lens settings	
Wide field of view:	DFOV 95°; HFOV 78°; VFOV 50°	
<b>Speakerphone (FONE540 or equivalent and must compatible with the camera)</b>		
Connectivity Options	Wireless Bluetooth / USB Wired for PC	
Microphone Array	Full duplex microphone array speakerphone	
Microphone Pickup	Two omnidirectional microphones support 360° pickup	
Echo Cancellation	Full duplex echo cancellation	
Noise Suppression	Advanced noise suppression	
Voice Processing	Powerful wideband voice processing	
Speaker Volume	Speaker volume: adjustable to 90 dB SPL at 0.5 m	
Connection	3.5 mm line-in (aux) cable connects BYOD smartphones or PCs to use as speakerphones	
Controls	Touch controls for volume adjustment, mute, phone input, call, and hang up	
Bridging	Can bridge phone-in and USB into one call	
Lock	Kensington lock	
<b>Features</b>		
Dynamic auto framing:	Secondary AI lens detects all participants, new participants trigger PTZ lens to dynamically re-frame all participants.	
Tracking	Preset framing tracks both preset area and speaker	
Simultaneous 3-way output:	USB, HDMI and IP connections	
Gesture Control	Gesture control provides intuitive camera controls	
PIP Function	HDMI Picture in Picture (PIP) function	
Gallery	Smart gallery** function creates great visibility	
<b>Camera Connectivity</b>		
USB	USB type-B 3.1 connector, backward compatible with USB 2.0	



DC	12V/2A DC jack power adapter	
RS232	Mini DIN9 for RS232 in & out connection (VISCA control panel and camera daisy-chain)	
Network	IP (RJ45)	
Video	HDMI	
<b>Speakerphone Connectivity</b>		
USB	USB3.0 Micro USB connector	
DC	12V/5A DC jack power adapter	
Network	LAN for IP remote access	
Expansion	Expansion port (daisy-chain speakerphone or microphone)	
Audio In	3.5 mm phone-in jack	
Audio Out	3.5 mm line out	
<b>Included Accessories</b>		
Accessories	Mini DIN8 to D-Sub9 cable	
	Ceiling mount bracket	
	Foldable TV mount bracket	
	USB 2.0 type-B Cable	
	USB 3.1 Extension Cable (20 m)	
	Installation, Implementation & Training (Required)	
<b>Warranty &amp; Authorization</b>	1 year warranty and Authorization letter	

*Handwritten signature and date:*  
30/8/2022

