Technical Specifications for 98" Touch Interactive Display with Camera	
Make	Samsung, LG, Panasonic, Sony, Newline, Christie, Delta, NEC,
Model	To be specified by bidder
MAF	Bidder should submit MAF
Warranty	5 years comprehensive on site
Minimum Technical Specification	
Display	
LED lit technology	Backlight LED
Active Screen size	Not less than 98"
Display Ratio	16:9
Resolution	3840 x 2160p or Better
Display Color	10 Bit or better
Contrast	1200:1 or better
Viewing Angle	178 ° or better viewing angle
Response Time	Not more than 8 ms
Lifetime	30,000 hours or better
Refresh Rate	120 Hz or better
Brightness	500 nits (Cd/m^2) or better
Speakers	
Speakers	Should be inbuilt with the display
Max.Power Output	2x10 Watts or above
Touch	
Touch Technology Deployment	Min. 10 Multitouch feature should be seamlessly build-in the display without any overlay
Surface material of touch surface	Anti-Glare & Anti-Fingerprint Glass
Surface technology	Anti-Glare
Surface hardness	Toughened Glass with Mohs 7 or better
HID Support	Must have a provision to connect with any external sources
Writing Tool	Should be able to use with Nano Pen / Finger / Palm
Communication Interface	inbuilt - USB-A type or better
Ports	
Minimum required Input / AV / other ports at Front / Rear side of the display	1 x HDMI(1.4 , 4K@30Hz), 2 x HDMI (2.0, 4K@60Hz), 1 x Display Port, Min. 2 x USB 3.0, 1 x RS232, 1 x VGA, 1 x Audio Out (3.5 mm jack), 1 x HDMI Out for connecting other display, 1 x RJ45, 1 x OPS Slot
Smart System / On Board System	
Onboard System's Chipset	ARM A53 with 4 core 1.4GHz or better
Onboard System's RAM	2GB or better
Onboard System's ROM	8GB or better
Onboard system OS	Andorid 5.0 or better
Multimedia File Formats Supported	Support all major types of multi-media files
Discussion / White Board	Should be able to work as whiteboard
Cast	A wireless presentation software comes with inbuilt for inroom presentation Maximum connectivity of BYOD devices - 4 / 6 users **Control** - The setup should be in such a way that the presenter should have control of the GUI of this Remote Interactive Presentation Kit from the Touch Interactive Flat Panel Display **Display capability** - Equipment should have capability to display 4 /6 sources at a time system Supported - Win/Mac/ios/Android Note :- If above features are not onboard then requires to add externally by putting extra hardware.
Display Management	CENTRALLY MANAGE ALL YOUR INTERACTIVE DISPLAYS : Easily manage and deploy apps, configure display settings, add licenses, use digital signage features or broadcast emergency messages to interactive displays, without ever having to leave your desk. Note :- If above features are not onboard then requires to add externally by putting extra hardware.

Broadcast	Access the Broadcast webpage and Share your screen in real-time from display to any participant connected. Easily invite up to 200 participants to connect their own device from the meeting room, classroom, lecture theater or any other place in the world with a network connection. Note :- If above features are not onboard then requires to add externally by putting extra hardware.
Other features	The onboard system supports….Annotation, saving and send email of annotation files and selecting the inputs and changing the volume , Scheduling function for meeting room schedules , Builtin wifi
Multimedia File Formats Supported	Support all major types of multi-media files

OPS PC (4K)	
CPU	i5-8250U or better
GHZ	6M Cache, up to 3.4 GHz
RAM	8*1 GB
HD drive	256 GB SSD
MIC	3.5mm*1
Ports	1 x HDMI, Min. 2 x USB 3.0, Min. 1 x USB 2.0, Wi-Fi, 1 x Audio Out, 1 x RJ45
OPS interface	TX24A support 4K@60HZ
OS	Pre installed Licensed Win 10 Pro English

Other features	
Mounting Capabilities	Display must have facility to mount on floor stand or wall brackets

Features and Applications Touch Interactive Display	
Inbuilt Soft features	The touch interactive display must have inbuilt onboard writing software. Thus, this software shall has the capability to write some thing on the display and store in on-board system even WITHOUT any PC/Laptop/External device
	The display must have the facility of send the written contents by mail, take printout and transfer to pen drive as well
	This software which is embedded in the On-Board system shall have capability to write(Annotate) on top the contents that are shown from Pen drive direct / External PC / Any such sources
External software	Touch interactive display shall also be supplied with specialised software which shall be installed in PC/Laptop. This software should have features of different writing capabilities like Pen, Highlighter, laser pen, geometric pen, text pen and so on. The software shall also have features of Screen record, screen capture, import files, export files and saving the content in different versions and so on.
Inbuilt Internet access	The touch interactive diplay mush have inbuilt WiFi, so that the presenter shall access the internet to show/access the conten/information even withoput PC/LAPTOP

Wall Mount Kit	
Suitable wall mount kit with accessories	Equipment has to be supplied with suitable wall mount kit and accessories
Installation	Horizontal installation

Video Conference Camera	
Item	HD PTZ Camera
Image Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels	2MP or higher
Signal to Noise Ratio	52dB or higher
Video Format	1080P @60 / 30 / 25 FPS, 720P@60 / 30 / 25 FPS,
Zoom Ratio	20x Optical Zoom and 10x Digital Zoom
Min Illumination	0.5 Lux (F1.8, AGC ON)
Panning / Tilting Range	Pan 320°, Tilt -30° to 90°
Preset	250 or more
Focal Length	F1.6 to F3.5
Image Compensation	Backlight Compensation
Video Output	HDMI x 1, SDI x 1
Audio Input	3.5mm Line in
Video Compensation	H.265, H.264
Audio Compensation	AAC / MP3 / G.711A Audio Compression
Operating Temperature	0 - 40° C
Power	12/24VDC or 230VAC Adaptor
Compatibility	Video Conference Camera should be compatible with existing installed VC. Make - Cisco
Approved Makelist	Lumens, Datavideo, Sony, QSC