

Printing and Photographic and Audio and Visual Equipment and Supplies >> Audio and visual presentation and composing equipment >> phone and video conference equipment and hardware and controllers >> 0401VCEP

Specifications:

Name	Type	Restrictions	Unit	Properties
Group: Specification				
1. Type of End Point	Enumerable	Point to Point, non upgradable, Point to Point upgradable, 1+3 Multiparty Full HD, 1+5 Multiparty Full HD, 1+7 Multiparty Full HD, 1+8 Multiparty Full HD, 1+9 Multiparty Full HD, 1+15 Multiparty Full HD, 1+19 Multiparty Full HD, 1+23 Multiparty Full HD	N/A	Mandatory,Filter,Golden
2. Does it require mandatory registration with MCU	Enumerable	Yes, NA	N/A	Mandatory
3. Video Conferencing System Resolution	Ordinal	1080p, 30 fps(1), 1080p, 60 fps(2), 4K, 30 fps(3), 4K, 60 fps(4)	N/A	Mandatory,Filter,Golden
4. Minimum Bandwidth Required for Specified video quality at End point/far-site end (Mbps) hint: Must Indicate	Numeric	512, 1024, 2048, 4096, 6144	N/A	Mandatory,Filter
5. The End Point is a point to point system Non upgradable / upgradable to Multiparty Video conferencing with camera and codec for simple installation with a TV / LED /LCD display suitable for specified bandwidth of IP network through RJ-45 connectivity:	Enumerable	Yes	N/A	Mandatory

Name	Type	Restrictions	Unit	Properties
6. Type of Camera	Ordinal	Voice Tracking(1), Face Tracking(1), Preset(1)	N/A	Mandatory,Filter
7. Type of sensor	Enumerable	CCD, CMOS, MOS	N/A	Mandatory,Filter
8. Optical zoom	Ordinal	3X(2), 4X(2), 5X(2), 10X(3), 12X(3), 20X(4), 22X(4), 30X(5), NA(1)	N/A	Mandatory,Filter,Golden
9. Digital zoom	Ordinal	2X(2), 3X(2), 4X(3), 5X(3), 8X(4), 10X(4), 12X(4), NA(1)	N/A	Mandatory,Filter
10. Field of View at zoom (Degree)	Numeric	50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100	N/A	Mandatory
11. Pan range (Degree)	Numeric	0, 20, 30, 40, 50, 60, 70, 80, 90, 100	N/A	Mandatory
12. Tilt Range (Degree)	Numeric	0, 10, 20, 30, 40, 50	N/A	Mandatory
13. Cord and Connector to be supplied hint: The camera shall be supplied with minimum 1.5m cord and connectors	Enumerable	Yes	N/A	Mandatory
14. System delivers Full HD video and voice & Full HD content for an overall Full HD experience at specified bandwidth	Enumerable	Yes	N/A	Mandatory
15. Video coding support Protocol	Enumerable	H.263, H.264AVC, H.264SVC, H.264 High Profile, H.265	N/A	Mandatory
16. System has G-722/ G-711/ G-729 or equivalent nt wideband audio coding support hint: Read (-) as Dot (.)	Enumerable	Yes	N/A	Mandatory

Name	Type	Restrictions	Unit	Properties
17. System supports sharing of video and graphics content during the video call	Ordinal	1080p, 30fps(1), 1080p, 60fps(2), 4k, 30fps(3), 4k, 60fps(4)	N/A	Mandatory,Filter,Golden
18. It is possible to see both the near and far site on one Screen thus making most efficient use of a single display area	Enumerable	Yes	N/A	Mandatory
19. System is equipped with one or more Omni directional High Definition Microphones as required to cover large conference room	Enumerable	Yes	N/A	Mandatory
20. Number of microphone supported	Numeric	1, 2, 3, 4, 5, 6, 7, 8	N/A	Mandatory,Filter
21. Number of microphone supplied	Numeric	1, 2, 3, 4, 5, 6, 7, 8	N/A	Mandatory,Filter,Golden
22. Number of camera support from the same OEM	Numeric	1, 2, 3	N/A	Mandatory,Filter
23. Number of Ethernet connection points for System supports for RJ-45, 10/100/1000 Mbps Base-T Ethernet connection	Numeric	1, 2, 3	N/A	Mandatory,Filter
24. Wi Fi Connectivity	Ordinal	Yes(2), No(1)	N/A	Mandatory,Filter,Golden
25. If Yes, Type of Wi Fi Connectivity hint: May select NA if Wi Fi connectivity is not there	Ordinal	Integrated(3), External(2), NA(1)	N/A	Mandatory,Filter,Golden
26. System supports AES encryption video calls; System has Encryption On and Off capability	Enumerable	Yes	N/A	Mandatory,Filter
27. Video Codec shall support 16:9 format	Enumerable	Yes	N/A	Mandatory
28. Power supply: 230 + or - 10% volts, 50 Hz	Enumerable	Yes	N/A	Mandatory
29. Shall come with easy to use infra-red hand held remote control / Touch Panel with operating distance	Enumerable	Yes, No	N/A	Mandatory,Filter
30. All equipment are in compliance with the requirements of ITU-T (SIP Protocol & H Dot 323) Standard related to Video Conferencing	Enumerable	Yes	N/A	Mandatory
31. System to be IPv6 ready from day one	Enumerable	Yes	N/A	Mandatory

Name	Type	Restrictions	Unit	Properties
32. System uses standards based protocols and the offered system is interoperable with any existing H-323 AVC/SVC based video conferencing equipment in a point to point call on the video conferencing end point; All Hardware and Software required to make it interoperable is included in the scope of supply	Enumerable	Yes	N/A	Mandatory
33. Number of Input DVI Ports hint: Must Indicate	Numeric	0, 1, 2	N/A	Mandatory,Filter
34. Number of Input HDMI or equivalent Ports hint: Must Indicate	Numeric	0, 1, 2	N/A	Mandatory,Filter
35. Number of Input USB Ports	Numeric	0, 1, 2	N/A	Mandatory
36. Number of Output DVI Port	Numeric	0, 1, 2	N/A	Mandatory,Filter
37. Number of Output HDMI or equivalent Port	Numeric	0, 1, 2	N/A	Mandatory,Filter
38. Number of output USB Port	Numeric	0, 1, 2	N/A	Mandatory,Filter
39. Calendaring Feature	Enumerable	Yes, No	N/A	Mandatory,Filter
40. Recording @1080p on the end point	Enumerable	Yes, No	N/A	Mandatory
41. System is supplied complete with the following components from the same OEM : (a) Codec (b) Camera (c) At least one Omni Directional Microphones with suitable connectivity (d) Remote Control / Touch Panel (e) Data sharing capability using hardware or software (f) All cables necessary for above features	Enumerable	Yes	N/A	Mandatory
42. System is also tropicalized and report available from ILAC/NABL/Govt Lab with all add on if being supplied to buyer as per following requirement (a) Dry Heat Test : For 16 hour at a temperature of 55 degree C in accordance with IS:9000/part-3/section-5/1977 (Reaffirmed 2007) (b) Cold Test : For 4 hour At a temperature of 0 degree C in accordance with IS:9000/part-2/section-4/1977 (Reaffirmed 2007) (c) Damp Heat Test : For 2 Cycles of 24 h each at a temperature of 40 degree C & 95% RH in accordance with IS:9000/part- 5/section-1/1991 (Reaffirmed 2007) After each environmental test and a recovery period of two hours, the video conferencing system has been checked for complete functional parameters, and the results found satisfactory	Enumerable	Yes, No	N/A	Mandatory

Name	Type	Restrictions	Unit	Properties
43. Type Test Report from ILAC/NABL/Govt lab confirming conformance to above technical specifications - to be made available to buyer	Enumerable	Yes, No	N/A	Mandatory
44. BIS Registration under CRS of Meity	Enumerable	Yes, NA	N/A	Mandatory
45. BIS Registration Number and its Validity hint: Indicate Reg No if selected YES other wise NA	Text	N/A	N/A	Mandatory
46. Operating temperature Range (Degree C) hint: Must Indicate	Text	N/A	N/A	Mandatory
47. UL/CE certification	Enumerable	Yes, No	N/A	Mandatory
48. if yes, UL/CE certificate Number (Furnished when demanded by buyer) hint: Must Indicate or otherwise NA	Text	N/A	N/A	Mandatory
49. Operating humidity (%RH) hint: Must Indicate	Text	N/A	N/A	Mandatory
50. Free installation and commissioning	Enumerable	Yes	N/A	Mandatory
51. On Site OEM Warranty (Year)	Numeric	3, 5	N/A	Mandatory,Filter,Golden