



Specification List

Interactive Flat Panel Smartboard		
Make Offered		
Model Offered		
SN	Items	Minimum or Equivalent Technical Specification or Better
1	Screen Size	75"
2	Resolution	3840*2160 UHD or higher
3	Brightness	≥ 350 cd/m ²
4	Contrast	4000:1 / 1200:1 (IPS) or higher
5	Pixel Size	0.372×0.372 [68PPI] or higher
6	Refresh Rate	60Hz
7	Response Time	≤ 6ms or lower
8	Screen Size(mm)	1428*803 or higher
9	Aspect Ratio	16:9
10	Support Resolution	4K Ultra HD 3840x2160
	Android	Android 12.0 or higher 4 x ARM <u>Cortex-A55@1.9GHz</u> or higher the flagship 8-core A55 CPU the main frequency up to 1.2GH or higher Quad-core MaliG52, 600 MHz Bluetooth® 5.0 RAM: 8GB Storage: 128GB Storage: 128GB Support multiple languages: english, france, spanish, arabic Camera, Votekit, Timer, Stopwatch, Cutdown Record, Screenshot, Easy Upload, Gallery Freezing, Split Screens

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11	Specification	Play store (user can download the other APPs from Google)
12	Light Sensor	Pin hole light sensor on the frame, auto adjust the screen birghtness
13	Camera	Built in 13 MP Camera
14	Video Recording	3840*3024(4K); 60Hz or higher
15	Microphone	8-array Microphone
16	Mic Pickup Range	0 ~ 6 meters
17	Speaker Output Power	Standard: 2*15W or higher
18	Touch Product	IR Multi-touch Frame(20 points or higher)
19	Touchscreen Input	Infrared touch technology with high accuracy , finger or any object touch
20	Touch Glass	Opaque objects (e.g. finger, pen, etc.)
21	Touch Points	4mm tempered glass, hardness>7H; dual-face anti-glared treatment
22	Touch Accuracy	40 touch points, 20point writing
23	Touch refersh rate	3mm +/-
24	LAN	≥140fps
25	WiFi	10/100M auto-identification and DHCP
26	Camera	WiFi4 2.4G
27	Microphone	Built in 13 MP Camera
28	Ports	0~8m with 6 path voice picker
29	Power Supply	RJ45 In x ≥1 RS232 x ≥1 Earphone x ≥1 HDMI In x ≥1 Public USB2.0 x ≥1 Public USB3.0 x ≥1 VGA x ≥1 Type-C x ≥1
30	Consumption (standby)	AC 200V to AC264V
		< 0.5W or lower

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31	Whiteboard	In-built whiteboard application with drawing tools like geometry, table and ruler, Google Classroom integration, hand-writing text-recognition, web-based whiteboard and collaboration, and other applications necessary. The tenderer shall be able to provide the brand of the software and software brochures or demonstrations of the applications included.
32	Consumption (max)	180W or lower
33	Authorization	The tenderer must be authorized to supply the product by the manufacturer itself or the authorized distributor in Nepal.
34	Warranty	3 Years or more

Indoor Dome CC Camera

Make Offered		
Model Offered		
S/No.	Feature	Specification (Medium Standard)
1	Image Sensor	2.0 Megapixel (MP) to 3.0 Megapixel (MP) CMOS.
2	Resolution	1080p to 3MP.
3	Lens	Fixed Lens, 2.8mm or 3.6mm.
4	Power	Power over Ethernet (PoE) IEEE 802.3af Class 3.
5	Night Vision	Built-in Infrared (IR) LED, IR distance of 20 meters to 30 meters.
6	WDR/DNR	Digital WDR (DWDR) or 120dB WDR. 3D Digital Noise Reduction (DNR).
7	Optional Feature	Built-in Microphone (MIC) for audio recording capability.

Outdoor Bullet CC Camera

Make Offered		
Model Offered		
S/No.	Feature	Specification (Medium Standard)
1	Image Sensor	2.0 Megapixel (MP) to 3.0 Megapixel (MP) CMOS.

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2	Resolution	1080p to 3MP.
3	Lens	Fixed Lens, 4.0mm or 6.0mm.
4	Weather Rating	IP66 or IP67 Weatherproof rating.
5	Vandal Rating	IK 10 Vandal-proof (preferred).
6	Night Vision	Built-in Infrared (IR) LED, IR distance of 30 meters to 50 meters.
7	Power	Power over Ethernet (PoE) IEEE 802.3af Class 3.

Network Video Recorder (NVR)

Make Offered		
Model Offered		
Serial No.	Feature	Specification (Medium Standard)
1	Channels	Minimum 8 Channels IP Camera Input.
2	Recording Resolution	Up to 6MP Recording Support (Minimum 4MP).
3	Incoming Bandwidth	Minimum 60 Mbps (Megabits per second).
4	Compression	Support for H.265+ / H.265 / H.264+ / H.264.
5	HDD Bay	Minimum 1 SATA Port. Must support a maximum capacity of at least 6TB.
6	Video Output	HDMI and VGA simultaneous output. HDMI must support up to 4K resolution.
7	Network Interface	1x RJ-45 10/100 Mbps Ethernet port.
8	Interoperability	ONVIF Profile S/T compliant.
9	Remote Access	Built-in P2P/Cloud service for remote monitoring via Android/iOS apps.

Other Equipment

Serial No.	Component	Specification (Medium Standard)
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3.1	Hard Drive (HDD)	4TB (Terabytes) Surveillance-Grade HDD. Must be a certified Surveillance series (e.g., WD Purple, Seagate SkyHawk). Must support 24/7 Read/Write capability.
3.2	PoE Network Switch	8-Port 10/100 Mbps with PoE (802.3af) on all 8 ports. Minimum PoE Power Budget of 60 Watts Total.
3.3	Network Cable	Category 6 (CAT6) UTP Pure Copper or CCA (Copper Clad Aluminum) cable roll.
3.4	Connectors	RJ45 CAT6 connectors.
3.5	Display Monitor	21-inch to 24-inch LED/LCD Monitor. Full HD (1920x1080) resolution. HDMI Input required.

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