

Commissionerate of Collegiate Education

TECHNICAL REPORT ON VIRTUAL CLASSROOM - NON RUSA COLLEGES

S.N o	Name of the Item	Company	Description/Specification	Qty	Instal led / Not	Working Condition/ Remarks																																								
1	PC Intel	Intel	Intel Quad Core processor(4GB RAM, 500GB HDD)	1																																										
2	Portable Interactive Device	Cybernetyx	<table><tr><td>Movement Detection Technology</td><td>3-D Optical</td></tr><tr><td>Tracking Active Area (max projection size recommended)</td><td>Up to 100' for 16:9 aspect ratio (Wide angle) & up to 80' for 4:3 aspect ratio</td></tr><tr><td>View angle (Vertical)</td><td>95 deg</td></tr><tr><td>View angle (Horizontal)</td><td>110 deg</td></tr><tr><td>View angle (Diagonal)</td><td>170 deg</td></tr><tr><td>T/R Range</td><td>0.6 / 0.4 / 0.2 / 0.16</td></tr><tr><td>Tracking Speed</td><td>60-70 FPS (can be extrapolated upto 200 FPS)</td></tr><tr><td>Ambient Light Resistance Technology</td><td>830nm +/- 20 & 650nm +/- 20 dual band tracking technology (Visible and IR bands)</td></tr><tr><td>Simultaneous Touch Point Support</td><td>255 (System configuration dependant)</td></tr><tr><td>Calibration Technology</td><td>Automatic as well as Manual Calibration</td></tr><tr><td>Connectivity Interface</td><td>Mini USB</td></tr><tr><td>Max USB Transmission Distance</td><td>15 ft</td></tr><tr><td>Power Requirement</td><td>5 V</td></tr><tr><td>Power Consumption</td><td>< 1W</td></tr><tr><td>Operating & Storage Environment</td><td>Temperature : -10 to +60 degree; Humidity: 0% to 95%</td></tr><tr><td>Accuracy</td><td>+ / - 2 px</td></tr><tr><td>Response Time</td><td>Upto 195Mn dots/sec</td></tr><tr><td>Native Resolution</td><td>752 x 480 (can be extrapolated upto</td></tr><tr><td>Data Refresh Rate</td><td>Upto 195 million dots/sec, USB bandwidth around 200 MBPS</td></tr><tr><td>Optimised Cursor Jittering</td><td>7 point bezier algorithms histogram</td></tr></table>	Movement Detection Technology	3-D Optical	Tracking Active Area (max projection size recommended)	Up to 100' for 16:9 aspect ratio (Wide angle) & up to 80' for 4:3 aspect ratio	View angle (Vertical)	95 deg	View angle (Horizontal)	110 deg	View angle (Diagonal)	170 deg	T/R Range	0.6 / 0.4 / 0.2 / 0.16	Tracking Speed	60-70 FPS (can be extrapolated upto 200 FPS)	Ambient Light Resistance Technology	830nm +/- 20 & 650nm +/- 20 dual band tracking technology (Visible and IR bands)	Simultaneous Touch Point Support	255 (System configuration dependant)	Calibration Technology	Automatic as well as Manual Calibration	Connectivity Interface	Mini USB	Max USB Transmission Distance	15 ft	Power Requirement	5 V	Power Consumption	< 1W	Operating & Storage Environment	Temperature : -10 to +60 degree; Humidity: 0% to 95%	Accuracy	+ / - 2 px	Response Time	Upto 195Mn dots/sec	Native Resolution	752 x 480 (can be extrapolated upto	Data Refresh Rate	Upto 195 million dots/sec, USB bandwidth around 200 MBPS	Optimised Cursor Jittering	7 point bezier algorithms histogram	2	2	Working
Movement Detection Technology	3-D Optical																																													
Tracking Active Area (max projection size recommended)	Up to 100' for 16:9 aspect ratio (Wide angle) & up to 80' for 4:3 aspect ratio																																													
View angle (Vertical)	95 deg																																													
View angle (Horizontal)	110 deg																																													
View angle (Diagonal)	170 deg																																													
T/R Range	0.6 / 0.4 / 0.2 / 0.16																																													
Tracking Speed	60-70 FPS (can be extrapolated upto 200 FPS)																																													
Ambient Light Resistance Technology	830nm +/- 20 & 650nm +/- 20 dual band tracking technology (Visible and IR bands)																																													
Simultaneous Touch Point Support	255 (System configuration dependant)																																													
Calibration Technology	Automatic as well as Manual Calibration																																													
Connectivity Interface	Mini USB																																													
Max USB Transmission Distance	15 ft																																													
Power Requirement	5 V																																													
Power Consumption	< 1W																																													
Operating & Storage Environment	Temperature : -10 to +60 degree; Humidity: 0% to 95%																																													
Accuracy	+ / - 2 px																																													
Response Time	Upto 195Mn dots/sec																																													
Native Resolution	752 x 480 (can be extrapolated upto																																													
Data Refresh Rate	Upto 195 million dots/sec, USB bandwidth around 200 MBPS																																													
Optimised Cursor Jittering	7 point bezier algorithms histogram																																													
3	White Board	Smart Vission	6 feet x 4 feet Hi- quality white board for writing & Projection application	2	2	Working																																								

4

Projector

Benq

Projection System	DLP
Native Resolution	XGA(1024X768)
Brightness	3000AL
Contrast Ratio	13000:1
Display Color	1.07 Billion Colors
Lens	F=2.6 f=6.9mm
Aspect Ratio	Native 4:3 (3 aspect ratio selectable)
Throw Ratio	0.61
Clear Image Size / Maximum Image Size	60"-120" / 300"
Zoom Ratio	Fixed
Lamp Type	190W
Lamp Mode (Normal/Economic/SmartEco/LampSave)	4500/6000/5500/10000 hours
Keystone Adjustment	1D, Vertical +/- 30 degrees
Projection Offset	130%, ±5%
Resolution Support	VGA(640 x 480) to UXGA(1600 x 1200)
Horizontal Frequency	15-102KHz
Vertical Scan Rate	23-120Hz
Compatibility	HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p (Please refer to User's Manual for detailed support timing)

Interface	Computer in (D-sub 15pin)	x 2(Share with component)
	Monitor out (D-sub 15pin)	x 1
	Composite Video in (RCA)	NA
	S-Video in (Mini DIN 4pin)	NA
	HDMI	NA
	Audio in (Mini Jack)	NA
	Audio out (Mini Jack)	NA
	Audio L/R in (RCA)	NA
	Speaker	NA
	USB (Type Mini B)	x1 (Download & page/down)
	RS232 (DB-9pin)	x 1
	LAN (RJ45)	NA

Dimensions	Dimensions(W x H x D)	287.3 x 114.4 x 232.6mm
	Weight	2.5kg/5.51lb
Power	Power Supply	AC100 to 240 V, 50 to 60 Hz
	Power Consumption	270W(typical), Standby<0.5W

Audible Noise	32.28 dBA (Normal Economic mode)
---------------	----------------------------------

On-Screen Display Languages	Arabic/Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese (28 Languages)
-----------------------------	---

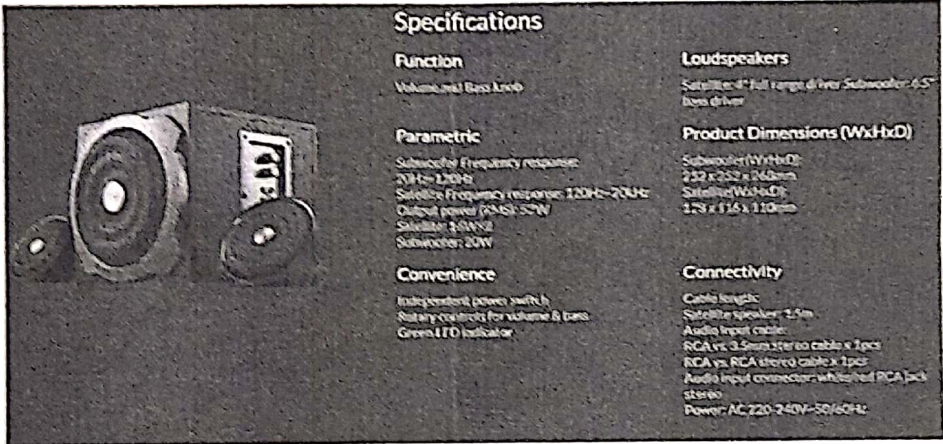
Picture Modes	Dynamic Presentation/RGB Cinema(3D)/User 1/User 2
---------------	---

Accessories	Standard	Optional
	Lens Cover	PointWrite PW02
	Remote Control w/ Battery	FingerTouch PT01
	Power Cord (by region)	Spare Lamp Kit SJ39A05.001
	User Manual CD	Ceiling Mount CM00G3
	Quick Start Guide	Wall Mount WM06G3
	Warranty Card (by region)	Carry bag SL13T09.001

2

2

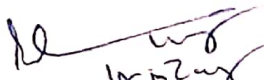
Working

5	Ceiling Mount Kit for Projector	Smart Vision	Accessories	2		
6	Visual Presenter	Cybernetyx	• Capture Size A4 • Resolution 1600 x 1200 • Sensor CMOS 2.0 mega pixel • Picture format JPG / GIF / PDI / BMP / TGA / PCX / PNG / RAS • Doc Format PDF / WORD / TXT • Video Format AVI / WMV • Sensor Element CMOS • Interface type USB2.0 • Light Source Natural + LED Supplement light • Accessories Document camera, CD-ROM, USB-cable, Users Manual • USB Cable length 2.0 Meters • Power supply USB 2.0 • Max. Shooting Area A4	2	2	Working
7	Speaker	Fenda Audio	 Specifications Function Voluminal Bass Knob Parametric Subwoofer Frequency response: 20Hz-120Hz Satellite Frequency response: 120Hz-20KHz Output power (RMS): 20W Satellite: 50Wx2 Subwoofer: 20W Convenience Independent power switch Rotary controls for volume & bass Green LED indicator Loudspeakers Satellite: 4" full range driver Subwoofer: 6.5" bass driver Product Dimensions (WxHxD) Subwoofer (WxHxD): 232 x 232 x 264mm Satellite (WxHxD): 129 x 116 x 110mm Connectivity Cable length: Satellite speaker: 1.5m Audio input cable: RCA vs 3.5mm stereo cable x 1pc RCA vs RCA stereo cable x 1pc Audio input connector: white/red RCA jack stereo Power: AC 220-240V-50/60Hz	2	2	Working
8	Multi Point Bridge License	Life Size	• One-on-one and group calls • Instant and scheduled meetings • Unlimited meetings • Unlimited audio • Unlimited guest calling • Directory-based calling • Screen sharing • One-on-one chat • Group chat in a meeting room • Mobile apps • Presence status	2	2	Working
9	Wireless Mic	Ahuja	- Sensitivity: -58 dBV/μBar, -38 dBV/Pa +/-4dB - Frequency response: - Headset: 20 Hz – 20,000 Hz - Microphone: 100 Hz – 16,000 Hz - 1.8-metre (6-foot) shielded cord - 3.5 mm colour-coded plugs	2	2	Working

10	Keyboard	Circle	Processor	Intel Pentium processor N3700 (2.40 GHz, Quad Core 6W TDP)	2	2	Working
11	LED Monitor	AOC	Graphics	Intel HD Graphics	2	2	Working
				One HDMI 1.4b port supporting an ultra-high definition 4K30 Hz display			
				One VGA port			
			System Memory	4 GB RAM			
			Storage	500 GB HDD			
			Peripheral Connectivity	Integrated Gigabit LAN			
				Four super Hi-speed USB 3.0 ports (two back panel ports and two front ports including one charging port)			
				Two additional Hi-speed USB 2.0 ports via internal header			
				Intel Wireless-AC3165 Dual Band Wireless 801.11ac, 1X1, upto 867 Mbps			
				Dual Mode Bluetooth *4.0			
			Audio	Intel HD audio via HDMI 1.4b supporting 8 channel digital audio (7.1 surround sound)			
				Intel HD audio (headset/ microphone)			
				TOSLINK optical audio			
			Front panel Header	Reset, HDD LED, Power LEDs, Power on/ off			
			Mechanical Chasis Size	4.53 "X4.37"X2.03			
				115mm X 111mm X 51.6 mm			
	Mouse		Monitor Size	15"			

12	USB Dual Charger	ADNet	Ports	2	2	Working																														
13	PI / Camera	Logi tech	- HD video calling (1280 x 720 pixels) with recommended system - Video capture: up to 1280 x 720 pixels - Photos: up to 5.0 megapixels (software enhanced) - Built-in mic with Logitech RightSound™ technology - Hi-Speed USB 2.0 certified (recommended) - Universal clip fits laptops, LCD or CRT monitors - Magix™ photo and video editing	2	2	Working																														
14	Power & VGA Cables	Smart Vission	Accessories	2	2	Working																														
15	Cabinet	Smart Vision Cybernetyx	CRCA Steel Sheet	2	2	Working																														
16	Green Board	Smart Vission	5 feet x 4 feet Hi- quality green board for writing	2	2	Working																														
17	UPS	Orde	<table><tr><td>CAPACITY</td><td>VA/W</td><td>600VA/360W</td></tr><tr><td>INPUT</td><td>Voltage</td><td>230VAC</td></tr><tr><td></td><td>Voltage Range</td><td>140-300VAC</td></tr><tr><td></td><td>Frequency</td><td>> 40Hz (Auto Sensing)</td></tr><tr><td>OUTPUT</td><td>Voltage</td><td>230VAC</td></tr><tr><td></td><td>Voltage Regulation (Batt. Mode)</td><td>+/- 10%</td></tr><tr><td></td><td>Frequency</td><td>50Hz</td></tr><tr><td></td><td>Frequency Regulation (Batt. Mode)</td><td>+/- 1 Hz</td></tr><tr><td></td><td>Output Waveform</td><td>Modified Sine wave</td></tr><tr><td>BATTERY</td><td>Battery Type</td><td>12V7Ah x 1</td></tr></table>	CAPACITY	VA/W	600VA/360W	INPUT	Voltage	230VAC		Voltage Range	140-300VAC		Frequency	> 40Hz (Auto Sensing)	OUTPUT	Voltage	230VAC		Voltage Regulation (Batt. Mode)	+/- 10%		Frequency	50Hz		Frequency Regulation (Batt. Mode)	+/- 1 Hz		Output Waveform	Modified Sine wave	BATTERY	Battery Type	12V7Ah x 1	2	2	Working
CAPACITY	VA/W	600VA/360W																																		
INPUT	Voltage	230VAC																																		
	Voltage Range	140-300VAC																																		
	Frequency	> 40Hz (Auto Sensing)																																		
OUTPUT	Voltage	230VAC																																		
	Voltage Regulation (Batt. Mode)	+/- 10%																																		
	Frequency	50Hz																																		
	Frequency Regulation (Batt. Mode)	+/- 1 Hz																																		
	Output Waveform	Modified Sine wave																																		
BATTERY	Battery Type	12V7Ah x 1																																		

We have read the specifications document and we certify that installation was done satisfactorily and technically verified as per specifications mentioned in the document


Technical Expert


IQAC Coordinator (Nodal Officer)


Principal
Govt. Degree College
Salur Vizianagaram Dist