



NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620 015
DEPARTMENT OF COMPUTER APPLICATIONS

MINUTES OF THE PURCHASE COMMITTEE MEETING (TECHNICAL SPECIFICATIONS)

Name of the department	Computer Applications	Date	20/11/2018
Name of the Laboratory / Office	E-Learning and HCI Lab		
Details Purchase committee meeting			
Venue	Dept. Meeting room	Date	20/11/2018
		Time	11:00:00

Nature of Requirement				
Teaching / Laboratory	Research	Office	Institute	
✓				
Nature of the Item				
Equipment	Consumable	Furniture	Work order	AMC
✓				

Specifications finalized by the Committee																											
1	Name of the Equipment E-Capture Camera with Audio Tracking																										
2	<p>Specification</p> <ul style="list-style-type: none"> • Full HD 1080p signal output format with a high frame rate of 60fps • 20x optical zoom • Supports live broadcasting (MJPEG, H.264 support SVC) • Support POE (Power Over Ethernet) lets network cables supply power • Supports ONVIF protocol • Ethernet low latency (< 120ms) • Ethernet, HDMI, and 3G-SDI synchronous image outputs • Maximum horizontal / vertical speed of rotation: 120 degrees/second • Audio input support AAC encoding with 44.1 / 48K sampling frequency • Built-in image flop and mirror function for easy installation. <table border="0"> <tr> <td>Aperture</td> <td>F 1.6 ~ F3.5</td> </tr> <tr> <td>Sensor</td> <td>1'2.8" 2MP CMOS</td> </tr> <tr> <td>Video input</td> <td>1080p 60/59, 94 / 50/30/29.97fps, 1080i 50/60fps, 720p 60/59.94/50fps</td> </tr> <tr> <td>Optical Zoom</td> <td>20X</td> </tr> <tr> <td>Panning Angle</td> <td>-170° ~ +170°</td> </tr> <tr> <td>Tilting Angle</td> <td>-30°~+90°</td> </tr> <tr> <td>Preset Position</td> <td>128</td> </tr> <tr> <td>Video output (HD) Interface</td> <td>HDMI, 3G-SDI, Ethernet</td> </tr> <tr> <td>Network Interface</td> <td>ONVIF / RTSP Streaming/RTMP Streaming</td> </tr> <tr> <td>PoE+</td> <td>802.3at</td> </tr> <tr> <td>Camera Control Interface / Protocol</td> <td>RS-232 / RS-422 / Ethernet</td> </tr> <tr> <td>Video S/N Ratio</td> <td>> 50dB</td> </tr> <tr> <td>Shutter Speed</td> <td>1/1 ~ 1/10,000 sec</td> </tr> </table>	Aperture	F 1.6 ~ F3.5	Sensor	1'2.8" 2MP CMOS	Video input	1080p 60/59, 94 / 50/30/29.97fps, 1080i 50/60fps, 720p 60/59.94/50fps	Optical Zoom	20X	Panning Angle	-170° ~ +170°	Tilting Angle	-30°~+90°	Preset Position	128	Video output (HD) Interface	HDMI, 3G-SDI, Ethernet	Network Interface	ONVIF / RTSP Streaming/RTMP Streaming	PoE+	802.3at	Camera Control Interface / Protocol	RS-232 / RS-422 / Ethernet	Video S/N Ratio	> 50dB	Shutter Speed	1/1 ~ 1/10,000 sec
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	Focal Length	f=4.7~94mm
	3DNR	Yes
	Minimum Illumination	1.0 lux (F1.6, 50IRE, 30fps)
	Minimum Object Distance	300mm (Wide) ~ 1500mm (Tele)
	Gain Control	Auto, manual
	White Balance	Auto, indoor, outdoor, one-push, manual
	Exposure control	Auto, Manual
	Focus System	Auto, manual
	Image Flip	Yes
	Audio input	Mike, Line IN
	Audio Output	IP, SDI and HDMI
	Weight	2 KG (4.4 lbs)
	Horizontal Viewing Angle	63° Dimension (W x D x H) : 174 x 185.5 x 186.2mm (6.85" x 7.3" x 7.3")
3	Installation Required	Yes
4	Warranty (in months)	24
5	AMC Required	No
6	Delivery Period (Weeks)	2 – 4 Weeks
7	Shipment Terms	Up to NIT, Tiruchirappalli
8	Payment Term	100% payment after satisfactory delivery / Installation
9	Mode of Purchase	Limited tender
10	EMD Amount (2 to 5)%	2.00%
11	Performance Security (5-10)%	5.00%
Purchase committee has finalized and recommends the above mentioned specification and conditions.		

		Name	Signature
1	HoD, Chairman	Dr.S.R.Balasundaram	<i>S.R. Balasundaram</i>
	Purchase Initiator, Convener	Dr.S.R.Balasundaram	<i>S.R. Balasundaram</i>
2	Department Faculty	Dr.Michael Arock	<i>Michael</i>
3	Department Faculty	Dr.(Mrs) R.Eswari	<i>R. Eswari</i>
4	Deputy Registrar (S&P)		<i>S.P. [Signature]</i>