

**THE MALDIVES NATIONAL UNIVERSITY
AMED PROJECT - E LEARNING STUDIO
AUDIO VISUAL EQUIPMENT**

Group-3

1	Studio Speakers	
	Qty 2	
		Minimum Requirements
		Your brand and Specifications
	Type	2-way, Active
	Frequency range	50Hz to 20kHz (± 3dB)
	Analog Inputs	1x XLR, 1x TRS (balanced)
	Warranty	1 Year
Preferred brands: JBL, Rockit, Mackie, M Audio, Samson		

2	Audio Mixer	
	Qty 2	
		Behringer Xenyx 802 or better
		Your brand and Specifications
	Channels	8 Channel
	Frequency Response	10Hz - 200kHz
	Mic Phantom Power	48 V
	Headphones Output	Required
	Meter Indicator	2 x LED VU meters
	Mic Channels	2 mono
	Mic Channels Connector	XLR
	Line Channels	6 mono
	Input Gain Level	40dB
	Maz Power Consumption	13 Watt
	Warranty	1 year

3	Studio Headphones	
	Qty 1	
		Minimum Requirements
		Your brand and Specifications
	Type	Semi-Open/Closed
	Rated Impedance	50 ohms
	Audio interface	Stereo plug 3.5mm
	Warranty	1 Year
Preferred brands: Sennheisser, AKG or Audiotechnica		

4	USB Microphone	
	Qty 1	
		Rode NT or equivalent
		Your brand and Specifications
	Frequency Range	20Hz - 20kHz
	Sample rate	45kHz
	Bit depth	16bit
	Polar pattern	Cardiod
	Tripod/Stand	Required
	Warranty	1 Year



5	Microphone Set Qty 4		
		Shure BLX1288/SM35 or better	Your brand and Specifications
Power supply		12V DC Nominal	
AF frequency response		50Hz to 15kHz (-3dB)	
Microphones		1x Head mic 1x Handheld mic 1x Windscreen	
Audio output		6.3 mm jack socket XLR socket	
Connectivity		Wireless	
Accessories		Rack tray	
Warranty		1 year	

6	Compact Camcorder Qty 1		
		Sony PXW-Z90 or equivalent	Your brand and Specifications
Video resolution		4K	
Optical Zoom		12x	
Image stabilizer		Required	
Effective pixels		12MP	
Card slot		SD/SDHC/SDXC compatible	
Audio		Built-in Omni-directional stereo microphone	
Ports		HDMI out, SDI out, Stereo headphone minijack, Micro USB	
Accessories		Rechargeable battery pack, AC adaptor, Power cord, Micro HDMI cable, Micro USB Cable, Wireless Remote Commander	
Warranty		1 Year	

7	Camcorder Tripod Qty 1		
		Sachtler Ace Aluminum Tripod or better	Your brand and Specifications
Load Capacity		4 kg	
Height		Adjustable from 30.7" to 66.5"	
Tilt Range		+90°/75°	
Feet		Retractable	
Material		Aluminium	

8	Smart Television Qty 2		
		Minimum Requirements	Your brand and Specifications
Screen		80" LED	
Connectivity		HDMI	
		USB	
		LAN	



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	Wireless display capable	
Accessory	Wall mount / stand	

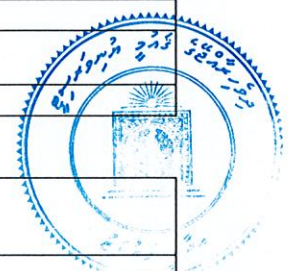
9 Shielded Indoor/Outdoor Monitor Speaker		
Qty 2		
	JBL Control 25AV or equivalent	Your brand and Specifications
Frequency range	70Hz - 23kHz (-10dB)	
Input type	Barrier strip	
Other	1 x Amplifier for the speakers	

10 Video Streamer & Recorder		
Qty 1		
	AJA HELO H.264 Streamer & Recorder or	Your brand and Specifications
Video encoding	Upto 1080p 60 in H.264/MPEG-4	
Audio encoding	2-Channel stereo upto 24-bit 48kHz	
Recording compatibility	SD,SDHC or SDXC cards, USB storage, NFS, CIFS or SMB	
Ports	USB and SD card slots	
Video input	1x HDMI, 1x 3G-SDI, 1x BNC	
Video output	1x HDMI, 1x 3G-SDI, 1x BNC	
Supported protocols	RTSP, RTMP, RTMPs, HLS & Unicast	
User interface	Web based	
Connectivity	3.5mm audio in/out, SDI in/out, HDMI in/out, LAN	
Warranty	3 years	

11 HDMI Matrix		
Qty 4		
	Minimum Requirments	Your brand and Specifications
Video Inputs	4x HDMI	
Video Outputs	2x HDMI	
Output Resolution	1080p	
Power adapter	Required	

12 HDMI Matrix Switch		
Qty 1		
	Control4 C4-8ZVMS-B or equivalent	Your brand and Specifications
Video Inputs	8x HDMI	
Video Outputs	2x HDMI, 8x RJ45	
Output Resolution	1080p	
Audio Outputs	8 x 3.5mm	
Network	10/100 Base T Ethernet	
Rack Mount Ears	Required	
Power adapter	Required	

13 HD BaseT Receiver		
Qty 8		
	Control4 C4-HDBTEB-B or equivalent (compatible with Matrix Switch)	Your brand and Specifications



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Video Inputs	1x RJ45	
Video Outputs	1x HDMI	
LAN Port	1x RJ45	
Output Resolution	1080p	
Power adapter	Required	

14 Additional accessories & cables

Qty	Description	Your brand and Specifications
4	XLR Male To 1/4 "Male Mono Jack Plug Adapter	
4	XLR Female To 1/4 "Male Mono Jack Plug Adapter	
2	XLR cables (20m)	
4	HDMI Cable (10m)	
4	Distribution Amplifier (4 x HDMI Inputs, 2 x HDMI Outputs)	
4	HDMI to SDI converter	
4	SDI to HDMI converter	
2	Displayport to HDMI converter	
2	Mini Displayport to HDMI converter	
1	Logitech Presenter Device	

