

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

**Group-3**

<b>1</b>	<b>Studio Speakers</b>		
	<b>Qty 2</b>		
		<b>Minimum Requirements</b>	<b>Your brand and Specifications</b>
	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	

<b>2</b>	<b>Audio Mixer</b>		
	<b>Qty 2</b>		
		<b>Behringer Xenyx 802 or better</b>	<b>Your brand and Specifications</b>
	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	

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

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

**5 Microphone Set**  
**Qty 4**

	<b>Shure BLX1288/SM35 or better</b>	<b>Your brand and Specifications</b>
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**

	<b>Sony PXW-Z90 or equivalent</b>	<b>Your brand and Specifications</b>
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**

	<b>Sachtler Ace Aluminum Tripod or better</b>	<b>Your brand and Specifications</b>
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**

	<b>Minimum Requirements</b>	<b>Your brand and Specifications</b>
Screen	80" LED	
Connectivity	HDMI	
	USB	
	LAN	
	Wireless display capable	
Accessory	Wall mount / stand	

**9 Shielded Indoor/Outdoor Monitor Speaker**  
**Qty 2**

	<b>JBL Control 25AV or equivalent</b>	<b>Your brand and Specifications</b>
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
Video Inputs	1x RJ45	
Video Outputs	1x HDMI	
LAN Port	1x RJ45	
Output Resolution	1080p	
Power adapter	Required	

**14 Additional accessories & cables**

<b>Qty</b>	<b>Description</b>	<b>Your brand and Specifications</b>
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	

