

SPECIFICATION FOR AUDIO MIXER

Model	Yamaha MG10XU
Channels	4 Mono (Mic/Line), 3 Stereo (Line)
Output Channels	2 Stereo Out, 1 Monitor Out, 1 Headphone Out, 1 FX Out
Bus	1 Stereo, 1 AUX (FX)
Digital I/O	USB Audio Class 2.0 compliant, up to 192 kHz/24-bit
Built-in Effects	SPX algorithm with 24 programs
Phantom Power	+48V
Input Channel Functions	PAD (26 dB), HPF (80 Hz), Compressor, EQ (High, Mid, Low)
Level Meter	2 x 7-segment LED meter
Power Supply	PA-10 (AC 38 VCT, 0.62 A) or equivalent
Power Consumption	22.9 W
Dimensions	244mm x 71mm x 294mm (9.6" x 2.8" x 11.6")
Weight	2.1 kg (4.6 lbs)
Input Channel Details	4 with combo jacks for mic/line input
Mono Channels	
Stereo Channels	3 with line input
Input Channel EQ	High: Gain: +15 dB/-15 dB, Frequency: 10 kHz shelving Mid: Gain: +15 dB/-15 dB, Frequency: 2.5kHz peaking Low: Gain: +15 dB/-15 dB, Frequency: 100 Hz shelving
Compressor	1-knob compressor with adjustable threshold, ratio, and output level
Output Channels Details	Stereo Out: 2 Monitor Out: 1 Headphone Out: 1
Digital I/O (USB):	Sampling Frequency: Up to 192 kHz Bit Depth: 24-bit
Warranty	1 year

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SPECIFICATION FOR PA SPEAKERS

Model	JBL EON615
System Type	Self-powered, 15-inch, two-way, bass-reflex
Power Rating	Continuous: 500W Peak: 1000W
Frequency Response	50 Hz - 20 kHz (± 3 dB)
Maximum SPL (peak dB)	127
Coverage Pattern	90° x 60° (nominal)
Dimensions (H x W x D)	707mm x 439mm x 365mm (27.8in x 17.3in x 14.4in)
Weight	17.7 kg (39 lbs)
Features	Bluetooth JBL professional tunings and presets available M10 suspension points Mobile app for iOS and Android Single-angle pole-mount socket
Amplifier Design	Class D
System Components	Low Frequency Driver: 615H 15-inch (380mm) woofer High Frequency Driver: 2414H-1 37.5mm (1.5-inch) annular polymer diaphragm, neodymium compression driver
Warranty	1 year

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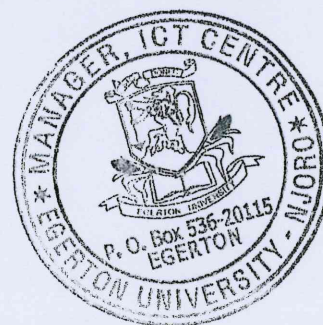


SPECIFICATION FOR WIRELESS MIC SYSTEM

Model	GLXD4
Communication	WireLess
Diaphragm	S-Mall
Brand Name	Lokchonk
Style	Handheld Microphone
Polar Patterns	Cardioid
Set Type	Transmitter Sets
Use	Performance Wireless Microphone
Transducer	Dynamic Microphone
Certification	CE
Package Included	1 Wireless Receiver, 2 UHF Wireless Handheld Microphones, 1 1/4" Audio Cable, 1 power adapter, 2 Antennas, 2 Roll Rings, 1 x User Manual
Warranty	1/1/1

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SPECIFICATION FOR SENNHEISER EW 112P

Model	EW 112P G4
Frequency Range	470 to 516 MHz (A1 band)
Bandwidth	42 MHz
Frequency Tuning	1680 tunable UHF frequencies
Operating Range:	Up to 330' (100.6 m)
Number of Mics	Up to 12 mics on set
Lavalier Microphone	ME 2-II omnidirectional
Audio Output	3.5mm jack socket
Battery Life	8 hours (Alkaline)
RF Output Power	Fixed 30 mW
Features	Frequency scan function, adjustable input sensitivity, HDX compander technology, pilot tone squelch, auto-lock function, RF mute function
Dimensions (Receiver)	2.5 x 3.2 x 0.9" / 64 x 82 x 24 mm
Weight (Receiver)	5.6 oz / 160 g (with Batteries)
Weight (Transmitter)	5.6 oz / 160 g (with Batteries)
Warranty	1 year

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SPECIFICATION FOR STUDIO HEADPHONES

Model	ATH-M50X
Type	Closed-back dynamic
Driver Diameter	45 mm
Frequency Response	15 - 28,000 Hz
Maximum Input Power	1,600 mW at 1 kHz
Sensitivity	99 dB
Warranty	1 year

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SPECIFICATION FOR VIDEO SWITCHER

Model	Blackmagic Design Atem Television Studio
Video Inputs	8 inputs (4x 3G-SDI, 4x HDMI)
Video Formats	Supports SD, HD (up to 1080p60), and some NTSC/PAL formats.
Audio Mixing	10-channel digital audio mixer
Control Panel	Built-in front panel, plus software control panel included
Multiview	10-view multiview output
Media Players	2 media players with still image capacity.
Keying	Upstream and downstream keyers, DVE for transitions.
Tally	Red for program, green for preview indication
Audio Inputs	8 SDI, 2 analog XLR, 1 aviation PJ-068 stereo
Audio Outputs	4 analog, 2 analog, MADI
Remote Control	Supports optional broadcast panel and ATEM Software Control Panel
Power	Internal AC (100-240V) with IEC C14 socket, external DC (12V).
Warranty	1 year

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SPECIFICATION FOR CAMCORDER

Model	Sony PXW-Z150
Image Sensor	1.0-type Exmor RS CMOS sensor with approximately 20 MP total and 14.2 MP effective pixels. Back-illuminated for improved low-light performance. Built-in ND filters (Clear, 1/4, 1/16, 1/64)
Lens	Sony G Lens with 12x optical zoom. Equivalent to a 29-348mm 35mm lens. Clear Image Zoom for 18x zoom range in 4K. Discrete manual focus, zoom, and iris rings
Recording Formats	Two SD card slots. Built-in Wi-Fi and NFC. Two 3-pin XLR audio inputs. Built-in microphone. 1.0cm (0.39-inch) OLED viewfinder and 8.8cm (3.5-inch) LCD monitor. Remote control via wireless remote commander (RMT-845). Power requirements: DC In: 8.4V, Battery: 7.2 V. Power consumption: Approximately 6.3 W with viewfinder, 6.6 W with LCD. Operating temperature: 0°C to 40°C. Storage temperature: -20°C to +60°C. Battery operating time: Approximately 260 min with NP-F770, 400 min with NP-F970
Input/Output	XLR-type 3-pin (female) audio inputs (x2) with line/mic/mic +48V selectable. SDI output (BNC, 3G/HD/SD). HDMI output (Type A). Multi/Micro USB jack. Headphone output (stereo mini jack). Speaker output (monaural). DC input
Warranty	1 year

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SPECIFICATION FOR CAMCORDER BATTERY

Model	PXW
Technology	Lithium-ion
Voltage	Around 14.4V
Capacity	BP-U30 offering 2900mAh and BP-U90 offering 6600mAh.
Rechargeable	Yes
Runtime	Depends on the battery capacity and the specific camcorder's power draw

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SPECIFICATION FOR TRIPOD STANDS

Model	E-Image Tripod- heavy duty tripod- professional stands
Maximum height	183cm
Head Type	Fluid Head
Panning Rang	360
Max Load Capacity	5Kg
Material	Aluminum Alloy
In the box	1*E-Image Tripod 1*Carrying Bag

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SPECIFICATION FOR BROADCAST MONITOR

Model	Seetec P173-9HSD-CO
Screen Size	17.3 inches
Resolution	1920 x 1080 pixels
Aspect Ratio	16:9
Brightness	300cd/m ²
Contrast Ratio	700:1
Viewing Angle	89°/89° (L/R), 89°/89° (U/D)
Pixel Pitch	0.1989(H) x 0.1989(V) mm
Color Depth	16.7M
Input/Output	SDI: 3G-SDI HDMI: HDMI input and output AV: YPbPr, Composite, DVI, and AV inputs/outputs Audio: Stereo headphone, speaker
Other	Input Voltage: DC9~24V Power Consumption: ≤26W Working Temperature: -10°C~50°C Storage Temperature: -20°C~60°C Unit Size: 426L x 297H x 35.1D mm (W/O Bracket) / 503L x 305H x 230D mm (With Suitcase) Unit Weight: 2.75kg (W/O Bracket) / 3.30kg (W/ Bracket) / 10.7kg (With Suitcase)
Warranty	1 year

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SPECIFICATION FOR STREAMING PC

Model	Omen HP 880 Tower Gaming PC
Processor	Intel Core i7-14700KF (14th generation, unlocked for overclocking).
RAM	16 GB DDR4-2666
Storage	1TB SSD
Graphics	NVIDIA GeForce RTX 4060 or higher TI 16GB
Operating System	Windows 11 Pro
I/O Ports	USB 3.0 (Type C and A), DisplayPort, HDMI, USB 2.0, LAN (Ethernet).
Connectivity	Wireless LAN 802.11a/b/g/n/ac, Bluetooth 4.2
Monitor	HP P204V 19.5 inches
Warranty	1 year

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SPECIFICATION FOR EXTERNAL SSD

Storage Capacity	16TB SSD
Interface	USB 3.2 Gen 2 (10Gb/s) or USB 3.1 Gen 2 (10Gb/s)
Durability	water and dust resistance, shock resistance, and drop protection.
Read and Write Speeds	Can reach up to 1050MB/s read and 1000MB/s write.
Form Factor	small and lightweight
Warranty	1 year

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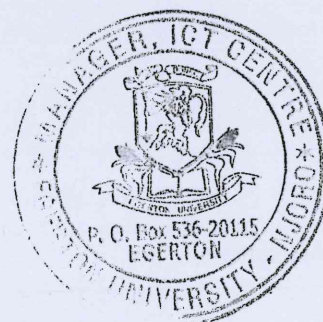


SPECIFICATION FOR EQUIPMENT RACK

Rack Units	12U
Dimensions	600mm (W) x 600mm (D) x 533.4mm (H)
Material	High-quality cold-rolled steel
Front Door	Lockable with tempered glass
Side Panels	Removable and lockable
Mounting Type	Wall-mounted
Ventilation	Slots on top, bottom, and sides
Mounting Rails	Adjustable front and rear mounting rails
Cable Entry Points	Top and bottom
Finish	Powder-coated in black
Weight Capacity	Up to 60kg (varies depending on wall mounting support)

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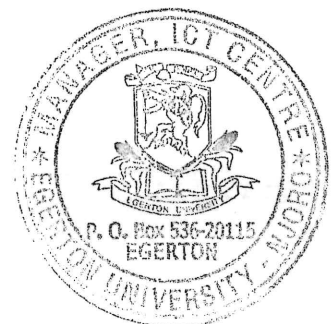


SPECIFICATION FOR SMART BOARD

Model	Hitachi StarBoard FX-79E2-79"
Display	Diagonal Size: 79 inches Aspect Ratio: 16:9 Active Area: 64.3" x 48.2" Surface Material: High density polyester core, steel surface Display Orientation: Landscape
Dimensions and Weight	Width: 72.9 inches Depth: 1.4 inches Height: 50.4 inches Weight: Approximately 72.75 lb
Connectivity and Features	Touch: 10-point touch capability Operating Specification: 41-95°F (5-35°C) with no condensation Interface to Computer: USB 1.1, USB 2.0 OS Support: Windows OS, Mac OS, Linux
System Requirements	CPU: Intel Pentium 4 1.8GHz or higher RAM: 1GB or more HDD: 600MB or more Display Color Depth: 32 bits or more
Software Features	IWB Common File Format (CFF) support: For easy sharing of educational content Customizable floating toolbar Handwriting recognition Digital inks Export notes to various file formats Direct access to the internet, Google image search Import Microsoft Office files Remote conferencing feature
Warranty	3 years

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SPECIFICATION FOR 65" 4K SMART TV

Resolution	3840 x 2160 (4K Ultra HD)
Refresh Rate	Typically 60Hz
HDR	Supports HDR10, HLG, or Dolby Vision for enhanced picture quality.
Display Technology	LED or QLED (Quantum Dot LED).
Backlight Type	May be DLED (Direct LED) or edge-lit.
Aspect Ratio	16:9.
Contrast Ratio	Varies, but typically 1200:1 or higher
Response Time	Typically, around 8ms
View Angle	178° horizontal and vertical
Operating System	Android TV, VIDAA, or other smart TV OS
Streaming Apps	Built-in access to platforms like Netflix, YouTube, and Prime Video.
Wi-Fi	2.4G and/or 5G support
Ethernet	10/100/1000M connection.
Built-in Apps	Access to Google Play Store, or the respective platform's app store
Bluetooth	For wireless connectivity
HDMI Ports	Typically, 3 or more
USB Ports	2 or more for media playback or updates
Audio Output	Optical, headphone jack, or other audio output options.
Input/Output	AV in, RF in, etc
Speaker Power	10W x 2 or higher.
Stereo	Usually a stereo sound system
Power Consumption	Varies, but typically 200W or less in normal use
Standby Power Consumption	Usually less than 0.5W
Digital Tuner	DVB-T2, DVB-S2, or DVB-C for receiving digital broadcasts
CPU and GPU	Typically a quad-core CPU (like A55 or A53) and a GPU (like Mali G52 or G31)
Warranty	1 year

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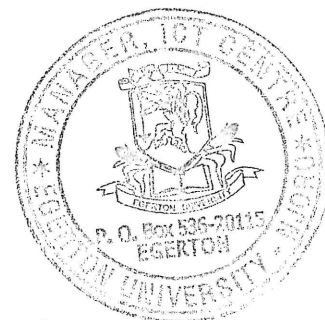


SPECIFICATION FOR WIRELESS PRESENTATION SYSTEM(CLICKSHARE)

Video outputs	4K UHD (3840*2160) @ 30HZ HDM 1.4b
Audio Outputs	HDMI
USB	1XUSB-A, 1 X USB-C
Max number os simultaneous connections(with buttons and / or App)	32
Connections	1 x Ethernet LAN 1 Gbit, 1x USB type -c 2.0 (front); 1x USB Type 1 2.0 (front)
Network connection	LAN and Wifi
Warranty	1 years

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Accessory List – Micro-Teaching Laboratory (AV Setup)

Category	Item	Qty (Est.)	Specification	Purpose
Video 400 401	HDMI Cables (2m, 5m, 20m, 10m)	10–15 pcs (mixed)	High-Speed HDMI 2.0/2.1	Connect projectors, displays, and laptops
	HDMI Splitters/Extenders	2–3 pcs	1x2 / 1x4, 4K support	Distribute video to multiple screens
	DisplayPort/USB-C to HDMI/VGA Adapters	5–6 pcs	Multi-standard	Connect laptops with different outputs
	VGA Cables	3–4 pcs	Standard 15-pin	Legacy support for old laptops/projectors
	HDMI over CAT6 Extenders	4 pcs	Up to 50–100m	Long-distance video signal transmission
Audio 406	XLR Microphone Cables	8–10 pcs	Balanced, 3m–10m	For condenser/lapel/handheld microphones
	TRS (6.35mm) Cables	4–6 pcs	Balanced, 3m–5m	For mixer to speakers or instruments
	3.5mm Aux Cables	4–6 pcs	Shielded, 1.5–3m	Connect laptops, phones, or tablets
	RCA Cables	2–3 pcs	Stereo pair	For legacy audio devices
	Optical Audio Cable (TOSLINK)	2 pcs	1–3m	Digital audio transfer
	Extension Cords (Surge Protected)	6–8 pcs	6–8 outlets, 3–5m	Power multiple devices
	Power Strips / Multi-Socket Units	6–8 pcs	4–6 sockets	Desk/AV rack use
Power EC186 EC412	UPS (Uninterruptible Power Supply)	2–3 units	1000–1500VA	Backup for sensitive AV gear
	Cable Management Trays/Raceways	As needed	PVC/Metal	Organize & hide cables
	Ethernet Cables (CAT6/CAT6a)	10–15 pcs	1m–20m, shielded	For internet & device networking
	Network Switch	1–2 units	8–16 port, Gigabit	Connect multiple AV/network devices
	USB Cables (A-B, A-C, C-C)	6–8 pcs	Assorted lengths	For webcams, control devices, whiteboards
Control SC 251 EC 416 417	RS232/USB Control Cables	2–3 pcs	Standard	Control projectors/AV systems

Recording & Streaming	SDI Cables (BNC)	2-4 pcs	3G/6G/12G SDI	For professional cameras
EC 419	HDMI Capture Card	2 pcs	USB 3.0, 4K support	For recording/streaming
EH 107	External SSD/Hard Drive	2-3 units	1TB-2TB, USB-C	Recording and backup storage
Accessories & Mounting	Cable Ties / Velcro Straps	1-2 packs	Reusable	Cable organization
ET 104	Cable Clips / Floor Covers	As needed	Rubber/Plastic	Safety & neatness
EC 421	Wall Plates / Patch Panels	As needed	HDMI/USB/Ethernet ports	Permanent installation
EC 422	Adapter Kit	1 full set	HDMI-VGA, USB-C-HDMI, etc.	Compatibility with various devices
EC 423	Tripods & Mounts	3-4 pcs	Adjustable	Hold cameras, projectors, lights
Other Useful Items	Wireless Presentation Dongles	2-3 pcs	e.g., ClickShare/Chromecast	Wireless screen sharing
EC 425	Audio Interface (USB to XLR/Jack)	1-2 pcs	2-channel	Connect pro mics to computer
EC 426	Spare Batteries & Power Banks	As needed	Rechargeable	Backup for mics/remotes/cameras
65" 4K Smart TV			SONY	