

Equipments of Khwopa Television Specification Detail.

1, Studio Equipments

S.N	Description/Specification	Qty
1	Studio Full HD Video Switcher with 8 HDMI inputs, 3 independent HDMI outputs, built in streaming engine, 10G Ethernet, Thunderbolt, USB-C recording, 4 chroma keys, DVE, media player, ISO recording, XLR audio input	1pcs
2	Full HD Video Switcher with 4 HDMI inputs, 1 HDMI outputs, built in streaming engine, 1G Ethernet, USB-C recording, chroma key, DVE, media player, ISO recording	1pcs
3	Converter that converts 3G SDI to HDMI converter supporting resolution up to 1080p	3pcs
4	Converter that converts 3G HDMI to SDI converter supporting resolution up to 1080p	2pcs
5	1x4 sdi distributor that distributes 1 3G-SDI input into 4 reclocked 3G-SDI outputs	1pcs
6	1x4 HDMI distributor that distributes 1 HDMI inputs into 4 HDMI outputs	3pcs
7	22 inch FHD monitor with 100Hz refresh rate, 100% sRGB color for PGM, multiview to be used with switchers	3pcs
8	Double Monitor Stand	1pcs
9	Video Streaming Server with CPU i7 latest Gen, 32GB DDR4 RAM, 1TB NVMe SSD and 4TB SATA HDD and NVIDIA RTX 3060 GPU or better.	1pcs
10	USB HDMI capture card	4pcs
11	27" FHD Monitor for Video Streaming Server	1pcs
12	Hardware encoder that support HDMI input, encodes H.265/H264, supports protocol RTMP, SRT, NDI	1pcs
13	32" FHD Monitor for Live Guest (Television)	1pcs
14	teleprompter with 20 inch self reversing LCD monitor, beam splitter glass, wireless remote controller, stand, software and accessories	1pcs
15	Talkback System with 1 Master + 3 person, with at least 100m range and 8 hour continuous operation on battery	1pcs
16	Router 2 WAN and 3 LAN port supporting, load balancing, Port forwarding	1pcs
17	Ethernet switch Gigabit 16 port -Unmanaged 116GL	1pcs
18	6 bay NAS with 10Gbp ethernet 4 nos 8TB hard disk	1pcs
19	3G SDI cable	100m
20	BNC Connectors	10pcs
21	HDMI Fiber cable 30m	6pcs
22	HDMI Fiber cable 50m	2pcs
23	HDMI 3m cable	8pcs
24	HDMI 5m cable	4pcs

2, Studio Camera and Accessories

1	Mirrorless camera with 26 MP APSC sensor with BIONZXR processor with Sony E-mount lens, touchscreen LCD, 4K,60p video, 4:2:2 10 bit output via micro HDMI, S-log3 support, builtin microphone, mic input, support WIFI 5, 495 point video autofocus	1pcs
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Basanta Bhattarai
Chief Administrative Officer

S.N	Description/Specification	Qty
2	Sony E Mount kit lens with power zoom, focal range 16-50mm, variable aperture of f/3.5-5.6, built in image stabilization	2pcs
3	Sony E Mount high performance zoom lens with focal length of 24 to 70mm with constant aperture 2.8 equivalent to Sigma 24-70 DGDN II	2pcs
4	AC-PW20 type dummy battery with AC adapter	3pcs
6	Professional Tripod supporting up to 8 kg load extending upto 186cm, fluid head with a 501 type quick release plate, weight 4 kg equivalent to smallrig ad-01	3pcs
7	Memory card with V30 SDXC (256 GB)	5pcs
10	Camera Bag for mirrorless camera	3pcs

3, Studio Lighting

1	LED Panel light 100W color temperature tunable(3200-6500k) and dimmable (0 to 100% continuous, bluetooth app controlled) CRI >=95 with barn doors and diffuser	6pcs
2	LED panel video light 50W color temperature tunable(3200-6500k) and dimmable(0 to 100% continuous), bluetooth app controlled, CRI >=95 with barn doors and diffuser	4pcs
4	camera Video light	2pcs
5	Green Chroma Cloth (10 ft x 12 ft)	2pcs
6	Installation Charge	1pcs

4, Audio System

1	16 channel audio mixer with 10 Mic/16 Line inputs, 4 Group bus, 4 aux out, 1 phones and 1 monitor out, discrete class A Mic preamplifiers, 1-knob compressors, PAD switch on mono inputs, +48V phantom power, XLR balanced output	1pcs
2	HDMI Audio extractor split HDMI signal to separate video and audio stream	2pcs
4	Shotgun Microphone with supercardioid polar pattern, frequency response of 40Hz to 20KHz, 15mV/Pa sensitivity, SNR of 76dB, integrated shock mount, built in low cut filter, wind protection, XLR connector	2pcs
5	compact 3.5mm diameter Lavalier condensor Microphone with phantom power, frequency response of 50Hz to 15KHz, 7.9mV/Pa, professional mic clip and windshield	3pcs
6	In Ear Monitor headphone, detachable cable design	2pcs
8	Podium Microphone	1pcs
9	Audio Monitor Speaker for studio with 5 inch woofer and 1 inch tweeter, with 80W power, frequency response of 50Hz to 20KHz, built in class D power amplifier	1pcs
10	studio monitoring closed back Headphone built for tracking and mixing, frequency response of 8Hz to 25 KHz, 64 Ohm impedance, SPL of 113dB, high ambient noise attenuation, rotatable earcups.	1pcs
11	Audio cable	200pcs
12	XLR Male Female jack	30pcs
13	XLR to 3.5mm	5pcs
14	TRS jack	5pcs



(Signature)

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