

datavideo



Streaming your
Vertical and Horizontal
Video



4K Multi-Channel Streaming Switcher
KMU-200





4K Multi-Channel Streaming Switcher KMU-200

All-in-one video production workstation
for vertical and horizontal video



Switching

Dual
Streaming

Recording

Audio
Mixing

- Produce virtual multi-camera video
- Create HD cutouts out of a 4K video source
- Operate with your fingers on a large touch screen
- Complete all-in-one solution including streaming, recording and audio mixing
- H.264 dual streaming encoder compatible with all major streaming platforms, and can stream to two different platforms simultaneously.
- Records in H.264 format on SD card
- Four-channel embedded audio mixer with RCA and XLR inputs

KMU-200 is an all-in-one solution for producing full HD virtual multi-camera video using a single 4K camera. KMU-200 uses a large touch screen for operation using similar gestures used on any tablet or phone. By pinching and swiping, you control up to 4 cutouts of a 4K image and as if the footages comes from 4 different cameras. Use hardware control to precisely position the cutouts like a regular PTZ camera.

KMU-200 features a dual streaming encoder making it possible to go live on all the well known streaming platforms directly from the device. Easily record on SD cards and you can directly bring the recording to your favorite editing suite. KMU-200 allows you to produce virtual multi-camera videos easily without any help.

Front Panel



- ① Joystick :
For pan and tilt control
- ② Zoom In/Zoom Out Knob :
For zooming in/zooming out the selected picture.
- ③ Pan and Tilt Speed Control:
Fast/ Mid/ Slow
- ④ Four-channel for capturing pictures :
1 / 2 / 3 / 4
- ⑤ Monitoring by Headphones :
Volume Adjustment Knob
- ⑥ SD Card Slot :
For Recording in H.264 Format.
- ⑦ Audio Mixer Knobs :
CH 1 / CH 2 / AUX IN / DIGITAL / MASTER
- ⑧ H.264 Encoding Buttons :
BITRATE / VERTICAL / RECORD / STREAM
- ⑨ L:1080P, S:720p, Vertical
- ⑩ Locking for the Pan/Tilt/Zoom In/Zoom Out control of the selected pictures.
- ⑪ Full Screen High Definition Output.
- ⑫ Output for pictures from PC.

Rear Panel



Easy control of virtual cameras

Users can easily control the video cutout sources by using the touch screen and well known gestures such as pinching and swiping. The joystick, zoom knob and hardware buttons can also be used alternatively.



Extra HDMI input source

KMU-200 has an extra HDMI input for an additional HD source. This source is switchable and for instance, can be used to add a laptop for video conferencing or playing videos.



Produce 4 virtual camera high definition video with just a single source

Supports one UHD input in HDMI 2.0 to create up to four cutouts in full HD. Control and switch video using the large touch panel multiviewer.

4K



It can record in H.264 format on SD card

While your show is live, KMU-200 helps you stream and live record at the same time. This provides you the full turn-key solution.



It supports audio embedding for your video

Four-channel embedded audio mixer with RCA and XLR inputs, and also provide you the audio volume adjustment.

embedded



Vertical and Dual streaming to two different platforms

Streaming live video directly from the KMU-200 is easier than ever. Just simply connect the KMU-200 to your local network, connect your PC to the same network and configure the streaming encoder. Then you can simply start streaming by pressing the stream button.

The built-in streaming encoder remarkably reduces the need for different procedures and equipments.



Ethernet



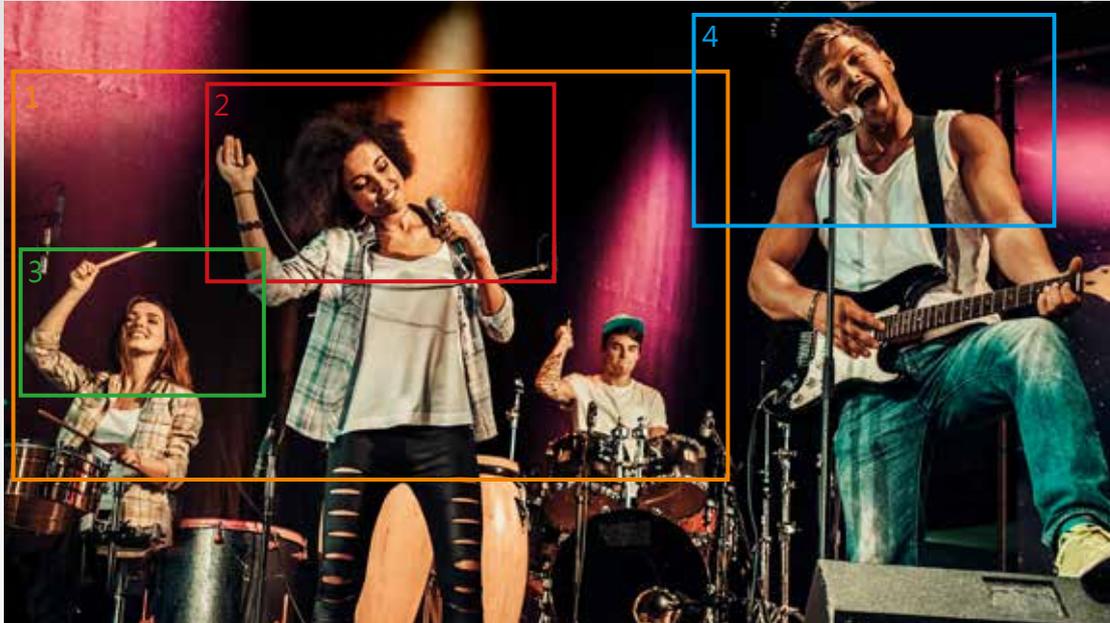
facebook
YouTube



Create your Horizontal Video

Make your live-streaming look professional with only six buttons to create four virtual camera footage and six different shots.

When using the KMU-200, you can switch between four different virtual cameras, the full shot and the extra HDMI input. Operating the unit is very easy this way.



Channel 1 shot



Channel 2 shot



Channel 3 shot



Channel 4 shot



Channel 5 shot (Full Screen)



Channel 6 shot (PC)

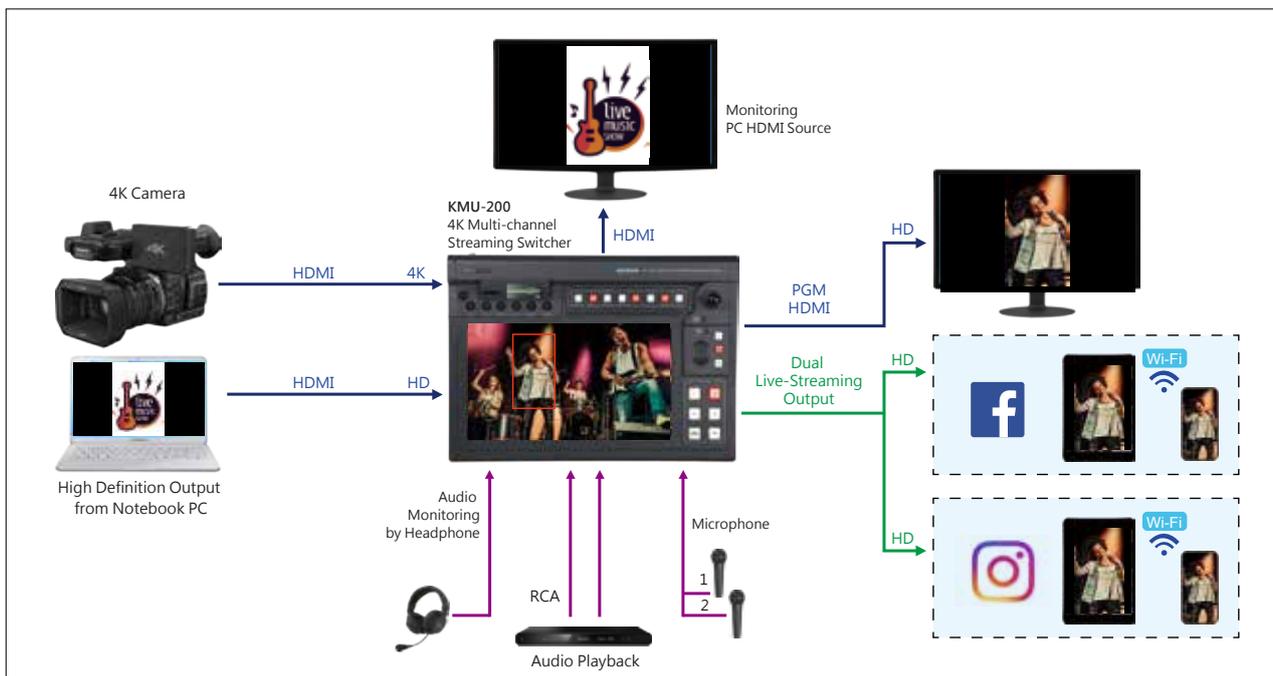
Create your Vertical Video

Easily switch between horizontal and vertical mode/video production mode

Vertical video production is in favour of those who prefer to watch the videos on the vertical mode. You can simply alter this mode by rotating the screen. KMU-200 is natively able to produce vertical video by pressing a single button, effectively converting the whole unit from 16:9 to 9:16 production.



System diagram for the vertical video streaming



Model Name	KMU-200
Product Name	4K Multi-channel Streaming Switcher
Video Standard	UHD & HD
Video Format	Input: 3840x2160p 23.98/24/25/29.97/30/50/59.94/60 1080p 50/59.94/60 Output: 1080p 50/59.94/60 720p 50/59.94/60
Video Processing	4:4:4 / 4:2:2 / 4:2:0
Video Input	1x HDMI 2.0 1x HDMI 1.4 with Loop through
Video Output	2x HDMI 1.4
Support Video Output Resolution	1920 x 1080p 50/59.94/60 1280 x 720p 50/59.94/60
Streaming Encode	H.264/AVC, Main/High Profile
Streaming Video Bitrate	Record Only: Up to 16Mbps (1080p50/60) Stream Only: Up to 10Mbps (1080p50/60), dual stream Record+Stream: 36Mbps (1080p50/60)
Streaming Video Rate Mode	CBR
Streaming Audio Mode	Stereo/Mono
Streaming Audio Bitrate	Stereo: 64~384Kbps Mono: 32~192Kbps
Streaming Protocols	TS over TCP/UDP (unicast & multicast) RTSP over HTTP/TCP/UDP (RTSP Elementary Streaming) RTMP/RTMPS (Publish) HLS SRT
Network Interface	1x RJ45 (10/100Mbps Ethernet)
Recording Storage Medium	SD Card (Class 10 above)
Recording Storage File System	NTFS, FAT, exFAT
Recorded File Format	MP4
Built-in Audio Mixer	Yes, 4 channels
Audio Input	2x XLR(Mic) 2x RCA"
Audio Output	2x Unbalanced RCA
Preview Display	14" Capacitive Touch LCD
Dimension (LxWxH)	438 x 331 x 114 mm
Weight	4.3 kg
Power Supply	DC 12V, 52W
Operating Temp. Range	0~40 °C



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