



MG300 v2

IP Video Media Gateway



Kiloview MG300 v2 media gateway is a high-performance embedded multi-functional device. It integrates functions such as protocol conversion, streaming distribution, multi-channel video decoding, customizable output display, and video preview.



Protocol Converter

MG300 v2 is compatible with NDI HX 2.0 , SRT , RTMP , RTMPS , RTSP , TS-UDP , and HLS , etc.It supports the decoding with all those different protocols, at the same time supports up to 9 protocols cross conversion. Each input stream is converted into 4 same or different protocols output.

Media Server

It supports up to 50 concurrent access for streams distribution/live streaming;
(Note: The actual concurrent access capability depends on the specific network bandwidth, video format and other factors. The device transmission limit is 600Mbps).

Multi-Channel Video Decoder







It supports decoding up to 4K H.264/ H.265 IP streams and decode the streams to output 3G-SDI and 4k HDMI. It supports decoding up to 9 channels of videos simultaneous.
(Note: 9 channels with 1080P30, or 8 channels of 1080P60, or 4 channels of 4KP30.)

Transcoder

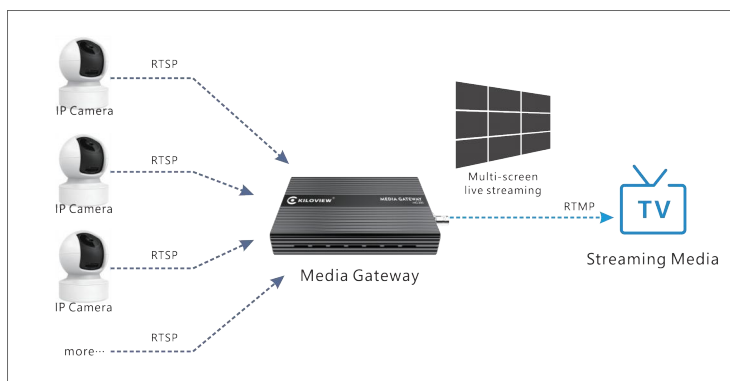
Kiloview MG300 v2 highlights video transcoding between H.264 and H.265. It can also combine multiple video streams into a merged video and push it to the live broadcast platforms.

More Advantages



-  Support SDI/HDMI embedded audio or 3.5mm analog audio output
-  Support audio mixing
-  Dual network ports for multi-purpose management
-  RTMP Server supported
-  Customizable output display
-  Video previewing function

Application



Parameters

Model	MG300 v2
Network	2*100M/1000M RJ45 adaptive Ethernets
Decoding output	1*SD/HD/3G-SDI, up to 1080P 60Hz 1*HDMI, up to 3840*2160@60Hz
Analog audio input/output	1*3.5mm Line in/out
USB	1*USB 3.0 Type-A
Access protocol	NDI HX/SRT/RTSP/RTMP/TS-UDP/HTTP, (NDI HX means NDI HX Version 2.0, SIP/ONVIF (customize))
Output protocol	NDI HX 2.0/SRT/RTSP/RTMP/TS-UDP
Protocol conversion	9 simultaneous channels of 1080P video conversion
Streaming distribution	50 channels of RTSP, 36 channels of RTMP/SRT (Not more than 800Mbps)
Number of decoding	4*4K 30Hz H.264/H.265 8*1080P 50Hz/60Hz H.264/H.265 9*1080P 30, 1080i 50/60Hz, 720P and below H.264/H.265
Video decoding standard	H.264, H.265
SDI output format	1080P60/59.94/50,1080P30/29.97/25/24/23.98, 1080i60/59.94/50.720P60/ 59.94/50, 576i50, 480i60
HDMI output format	4K 3840×2160@60/30, 1080p60/50, 1080p24/25/30, 1080i60/50, 720p60/50 Compatible with VESA standard format
Video rate range	128Kbps ~ 40Mbps
Audio decoding	AAC G.711 (aLaw/uLaw)
Audio rate range	AAC: 8Kbps ~ 320Kbps G.711: 64Kbps
Decoding delay	≤200ms
Management interface	Web/KiloLink Server
Operating temperature	-25 ~ 60°C
Dimension & weight	140*105*28mm (5.5" *4.1" *1.1" /380g/13.4oz)
Power consumption	≤6W
Power supply	12V/1A



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