MS-IP18G

4K 60FPS 4:4:4 dual stream
KVM over IP tranceiver



Description:

The MS-IP18G is an HDMI2.0 (4K 60FPS 4:4:4) KVM over 1GbE network transceiver. The transceiver features USB, / KVM pass-through 2-way IR, RS-232 and CEC pass-through. The MS-IP18G is a KVM over IP solution which combines KVM extender with matrix switcher and video wall controller to distribute streams through 1G network. Utilizing H.265/264 codec to break the constraints of network bandwidth and enables the deployment of large-scale projects. The MS-IP18G also supports power redundancy in the form of POE and DC power.

Key Features:

- The distribution integrated architecture provides smooth and uninterrupted operation with high fault tolerance, as the failure of any encoding unit will not affect the whole system
- Supports hardware real-time decoding of H.265 and JPEG simultaneously, resolution from 800x600 to 4096x2160, backward compatible with H.264. H.264 fixed data rate is adjustable, to the lowest 128kHz.
- Supports real-time video encoding of 4K@60fps signals with clear and smooth video quality.
- The built-in, high-performance image processor provides minimum video latency. Delay time from input to output is less than 16ms.
- Single unit provides unlimited signal distribution and supports features such as video wall tiling, picture overlay effects, free positioning, free zooming and scheduling management.
- Provides real-time monitoring of device status and can send immediate alarm through PC software in case of any failure.
- Supports dual-network hot backup.
- Supports static/dynamic subtitle overlaying, translucent OSD scan and preview.
- Can be powered by POE and a DC power supply for power redundancy.
- Provides ultra-high definition background picture.
- Supports data transmission on USB 2.0 ports.

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Technical Specifications:

Video ports	HDMI Input and HDMI Output (HDMI 2.0, 4K@60FPS, 8bit, YUV444)
Network ports	1G RJ45 x 1, 1G SPF x 1
USB ports	USB 2.0 x 4
Audio input ports	3-PIN Phoenix x 1 / HDMI x 1
Audio output ports	3-PIN Phoenix x 1 / HDMI x 1
IR/10 ports	2
Low current relay	1
RS232 / RS485	3-PIN Phoenix x 1
Power supply	PoE or 12V 2A
PoE protocol	802.3af
Working temperature	0°C~ 70°C
Encoding format	H.264/H.265/JPEG XS
Media format	RTSP
Network protocol	TCP/IP, UDP, IGMP
Stream data rate	6M~500Mbps



Solutions

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