

AV over IP 100M/1GbE SH002

4K/60 UHD (4:4:4) | HDCP 2.2 Compatible

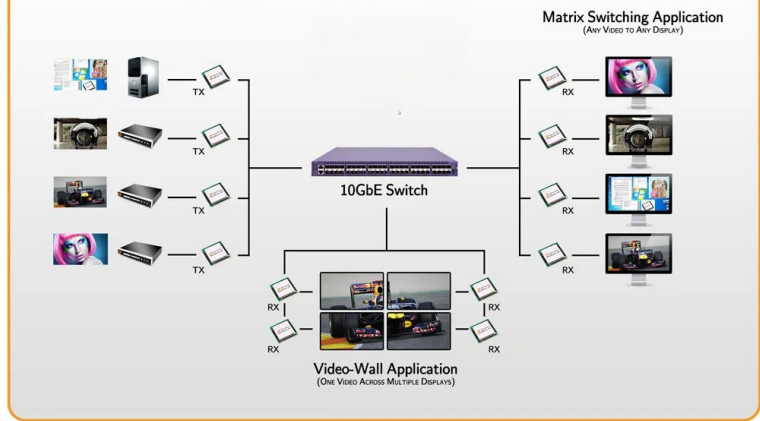
The AV over IP product distributes multiple HD contents to multiple HD display devices over a 100M/1G Network Switch. It offers configurable high quality, low-bandwidth H.265/H.264 configurable compression video and supports resolution up to 3840x2160,1920x1200@60Hz 4:4:4. Signal transmission distance can be extended up to 328ft / 100m via CAT5E/6/6A/7 cable. The product supports analog audio embedding and extracting. It also supports RS-232 control (pass-through & Guest mode) and single-machine control (without a Controller Box, matrix switching can be realized with panel buttons or RS-232 control).



Features

- HDMI 1.4,2.0 and HDCP 2.2 compliant
- Video resolution up to 4k,1920x1200@60Hz 4:4:4
- Support 4.95Gbps video bandwidth
- Signal transmission distance can be extended up to 328ft / 100m via CAT5E/6/6A/7 cable
- Support point-to-point signal extension one to many/many to many/video wall.
- Support signal distribution, multicast mode, distributed matrix and video wall (up to 9 x 9) functions over a 1G Network Switch
- Intelligent video wall management makes it achievable of novel layout of wall configurations
- Support LPCM 2.0CH (32/44.1/48KHz) audio format
- Support audio embedding and extracting
- Support RS-232 control (pass-through & Guest mode)
- Support main stream and sub stream encoding modes
- Stream parameters can be configured via Web GUI or Controller Box
- Controlled via panel buttons,RS-232, TCP/IP, Web GUI and Controller Box
- Support POE function (802.3af Class 3, PD mode)
- Smart networking design for easy and flexible installation

One Chipset, Multiple Application



Specifications

Technical	
HDMI Compliance	HDMI 1.4,2.0
HDCP Compliance	HDCP 2.2
Video Bandwidth	4.95Gbps
Video Compression Standard	H.265/H.264
Transmission Distance	100m (CAT5E/6/6A/7)
Video Resolution	Up to 4K,1920x1200@60Hz 4:4:4
Color Space	RGB4:4:4, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	Input: 8-bit, 10-bit, 12-bit (1080p@60Hz); Output: 8-bit
Audio Formats	LPCM 2.0CH (32/44.1/48KHz)
Connection	
	1x HDMI IN [Type A, 19-pin female] 1x LAN [RJ45 connector, POE]
Encoder	1x AUDIO IN/OUT [3-pin phoenix connector] 1x RS-232 [3-pin phoenix connector]
	1x HDMI OUT [Type A, 19-pin female] 1x LAN [RJ45 connector, POE]
Decoder	1x AUDIO OUT [3-pin phoenix connector] 1x RS-232 [3-pin phoenix connector]
Mechanical	
Housing	Metal enclosure
Dimensions	Encoder / Decoder:
	120mm [W] x 95mm [D] x 21.5mm [H]
Weight	Encoder: 74g, Decoder: 74g
Power Supply	Input: AC100 - 240V 50/60Hz,
	Output: DC 12V/1A
Power Consumption	Encoder: 2.88W, Decoder: 2.88W
Operating Temperature	14 - 113°F / -10 - 45°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensing)

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