AV OVER IP 4K60 SPEC

AVP-DE6K-101

INTRODUCTION

Aegis' 4K over IP series includes JPEG2000 encoder (AVP-EN6K-101), decoder (AVP-DE6K-101), and IP controller (AVP-Controller-100/101), which can provide complete point-to-point streaming system functions. In the matrix system, audio, video, IR, USB and RS232 can be transmitted via the network; the video wall size is up to 16 x 16 with a maximum resolution of 4K @60Hz 4:4:4. The system uses a 1G managed switch with PoE power supply. This solution allows for easy system expansion and flexibility in future planning. 4K over IP provides a variety of control options, including RS232, IP controller (AVP-Controller-100/101), Console (for system settings), Web, and iPad application i-Touch+. The necessary equipment can be purchased according to the project needs and budget control, so there is also flexibility in cost control. In addition, the decoder supports CEC/RS232 control, which can directly control the power on and off of the display or screen. Aegis' 4K over IP has become the best audio and video transmission solution for many conference rooms, shopping malls, hotels, monitoring centers, schools and corporate training environments.

FEATURES

- Supports HDMI 2.0; HDCP 2.2/2.3
- Transmit HDMI/RS232/IR(Far Infrared)/USB signals through IP network
- Decoder supports resolution up to 4K Range from 480p@60Hz to 4K @60Hz
- Supports a video wall up to 16 x 16
- Provides an 1G RJ-45 / SFP optical port
- Provides an S/PDIF Digital Audio Input port.
- Supports USB 2.0 KVM function from decoder to encoder (keyboard/mouse/touch screen only) and achieve cross-host roaming
- Support Audio output (Analog Audio)
- Support EDID Export
- Supports CEC one-touch-play and standby commands to power on and off the display

- Supports seamless switching
- Supports PoE power supply function
- Supports Auto IP (zero configuration) - this product can automatically generate an IP address when not connected to a DHCP server
- Supports HTTP, TCP/IP, Telnet, UDP, IGMP and other communication protocols
- Provides API Command to facilitate the integrated management of third-party control systems and supports IP controller (AVP-Controller-100/101) and PC configurator (Console).) and the application i-Touch+ on iPad and other control methods
- Support Dual IP Stream
  Main Stream output from 480p@60Hz to 4K@60Hz resolution
  Sub Stream output to Console or third-party device pre-view , Resolution of 360x240@15Hz

AVP-DE6K-101 Specification

Video Input Port	1 x RJ45 / Optical ,
HDMI Input	HDMI 2.0, HDCP2.2/2.3
Video Input Resolution	3840 x 2160p@60Hz 4:4:4,3840 x 2160p@50Hz 4:4:4, 3840 x 2160p@30Hz 4:4:4,3840 x 2160p@24Hz 4:4:4, 1920 x 1200@60Hz,1920 x 1080p@60Hz,1920 x 1080p@50Hz, 1920 x 1080p@25Hz,1920 x 1080p@24Hz,1920 x 1080i@60Hz, 1680 x 1050@60Hz,1600 x 1200@60Hz,1600 x 900@60Hz, 1440 x 900@60Hz,1400 x 1050@60Hz,1366 x 768@60Hz, 1280 x 1024@60Hz,1280 x 960@60Hz,1280 x 800@60Hz 1280 x 768@60Hz,1280 x 720@60Hz,1280 x 720p@50Hz 1024 x 768@60Hz,800 x 600@60Hz,720 x 576p@50Hz 720 x 480p@60Hz,640 x 480p@60Hz, ,
Video Output Port	1 x HDMI
Video Output Resolution	3840 x 2160p@60Hz 4:4:4,3840 x 2160p@50Hz 4:4:4, 3840 x 2160p@30Hz 4:4:4,3840 x 2160p@24Hz 4:4:4, 1920 x 1200@60Hz,1920 x 1080p@60Hz,1920 x 1080p@50Hz, 1920 x 1080p@25Hz,1920 x 1080p@24Hz,1920 x 1080i@60Hz, 1680 x 1050@60Hz,1600 x 1200@60Hz,1600 x 900@60Hz, 1440 x 900@60Hz,1400 x 1050@60Hz,1366 x 768@60Hz, 1280 x 1024@60Hz,1280 x 960@60Hz,1280 x 800@60Hz 1280 x 768@60Hz,1280 x 720@60Hz,1280 x 720p@50Hz 1024 x 768@60Hz,800 x 600@60Hz,720 x 576p@50Hz 720 x 480p@60Hz,640 x 480p@60Hz, ,
Audio Input	1 x RJ45 / Optical , 1 x S/PDIF
Audio Output	1 x HDMI, 1 x 3.5 mm stereo jack,
Data Rate	3840 x 2160@60Hz: 650Mbps (avg) / 900Mbps (max)
End-to-End Time Latency	1fps
Impendence	100Ω
Input DDC Signal	5V p-p(TTL)
IR function	20-60KHz
RS232 function	Up to 115200
Power Supply	DC 12V3A / PoE
Power Consumption	7 W - Max.
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Surge Protection	Voltage: ±1kV
Operating Temperature	0°C ~ 45°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 70°C / -4°F ~ 140°F
Humidity	10~90% RH (non-condensing)
Dimension	130.2 x 220 x 25mm (W x L x D)
Weight	740g