

AVP 1K Series

1080P HDMI over IP Encoder/Decoder

● Product Overview

aegis AVP 1K Series over IP includes H.264/H.265 IP encoder (AVP-EN1K-100), and decoder (AVP-DE1K-100), which work together to provide complete end-to-end streaming systems. Video, audio, and RS232 signals can be routed together or separately throughout the matrix system. They can also function as video walls up to the dimensions of 8 x 8 with input and output HDMI resolutions supported up to 1920 x 1080@60Hz. This system required a 1G switch and powered through PoE. The system offers the flexibility of purchasing or adding functions as the encoder and decoder can perform a simple matrix. They provide simple, flexible control options, including RS232, Windows software named AGS-TAP Lite (for system configuration), and Android Tablet software also named AGS-TAP Lite. Moreover, the decoder supports CEC/RS232 control to realize power on and off control on displays. These systems provide the best solutions for conference rooms, shopping malls, hotels, monitoring centers, schools, corporate training environments, etc.

● Features

Hardware



- Stream HDMI/RS232 signal over IP networks.
- The encoder supports resolutions up to 1920 x 1080@60Hz.
- Decoder offers auto scaler with output resolutions supported from 480p@60Hz to 1920 x 1080@60Hz scaling based on the EDID of the display.
- Support video wall up to the dimensions of 8 x 8.
- Offering control through PC (AGS-TAP Lite Windows Version) and Android Tablet (AGS-TAP Lite Android Version).
- Support RS232 pass-through between encoder and decoder.
- Allow video, audio, and RS232 signals to be routed together.
- Only supported work at unicast mod.
- Support EDID import to the encoder and EDID export from display to the decoder.
- Support CEC one-touch-play and standby commands to power on and off the display.
- Support HDCP.
- Support fast and seamless switching.
- Supports PoE to be powered by power source equipment.
- Support Auto IP (zeroconf) -- automatically generates a dynamic IP address at startup in the absence of a DHCP server.

Management

- Discover encoders and decoders automatically.
- Supports matrix switching between encoders and decoders.
- Compatible with the configuration file from PC configurator (AGS-TAP Lite Windows Version) or Android Tablet (AGS-TAP Lite Android Version) to quickly perform operations on encoders and decoders, such as matrix and video wall.



Product Specifications

Product Model		AVP-EN1K-100	AVP-DE1K-100
Product Name		1080P over IP Encoder (Unicast)	1080P over IP Decoder (Unicast)
Product Image			
Video	Input Port	1 x HDMI	1 x LAN
	Input Type	HDMI 1.3, HDCP 1.4	H.264/H.265
	Input Resolutions	Up to 1920x1080@60Hz	Up to 1920x1080@60Hz
	Input Signal	0.5~1.2V p-p	
	Output Port	1 x LAN	1 x HDMI
	Output Type	H.264/H.265	HDMI 1.3, HDCP 1.4
Audio	Output Resolution	Up to 1920x1080@60Hz	Up to 1920x1200@60Hz
	Input Port	1 x HDMI	1 x LAN
	Input Format	LPCM/MPEG4 AAC stereo	LPCM/MPEG4 AAC stereo
	Output Port	1 x Phoenix connector; 1 x LAN	1 x Phoenix connector; 1 x HDMI
General	Output Format	Stereo	Stereo
	Control Method	1. PC configurator (AGS-TAP Lite Windows Version). 2. Android Tablet APP (AGS-TAP Lite Android Version).	1. PC configurator (AGS-TAP Lite Windows Version). 2. Android Tablet APP (AGS-TAP Lite Android Version).
	ESD Protection	Human body model: • ±8kV (air-gap discharge) • ±4kV (contact discharge)	Human body model: • ±8kV (air-gap discharge) • ±4kV (contact discharge)
	Surge Protection	Voltage: ±1kV	Voltage: ±1kV
	Power Supply	12 V 1A DC	12 V 1A DC
Physical	Power Consumption	5W (Max.)	5W (Max.)
	Product Dimension	175mm X 25mm X 100.2mm ((L) 6.9in X (W) 0.98in X (H) 3.94in)	175mm X 25mm X 100.2mm ((L) 6.9in X (W) 0.98in X (H) 3.94in)
	Product Weight	0.50kg / 1.1lbs	0.50kg / 1.1lbs
Environmental	Operation Temperature	0°C~45°C(32°F~113°F)	0°C~45°C(32°F~113°F)
	Storage Temperature	-20°C~70°C(-4°F~140°F)	-20°C~70°C(-4°F~140°F)
	Humidity	10% - 90% (Non-Condensing)	10% - 90% (Non-Condensing)

