



1080P HDMI OVER IP DECODER

AVP-DE1K-100 Datasheet

INTRODUCTION

aegis AVP 1K series over IP includes H.264/H.265 IP encoder (AVP-EN1K-100) and decoder (AVP-DE1K-100), providing a complete end-to-end multimedia audio and video streaming system. Video, audio and RS232 signals can be transmitted simultaneously throughout the system. It can support up to 8 x 8 display video walls, and the input and output HDMI resolutions support up to 1920 x 1080@60Hz. This system requires a 1Gbps PoE network switch for power supply. The system provides the flexibility of phased purchase and gradual implementation. The encoders and decoders can implement simple matrices and provide simple, easy and flexible control including RS232. Control software: AGS-TAP Lite provides two versions: Windows and Android (for system settings). In addition, the decoder supports CEC/RS232 commands for powering on and off the display. This series provides the best solution for conference rooms, shopping malls, hotels, monitoring centers, schools, corporate training environments, etc.

FEATURES

- ✓ Transmit HDMI and RS232 signals through the network.
- ✓ The decoder can detect the display's EDID to automatically adjust the resolution, outputting resolutions from 480p@60Hz to 1920 x 1080@60Hz.
- ✓ Supports up to 8 x 8 display video walls.
- ✓ Use AGS-TAP Lite (Windows and Android versions) to operate the encoder and decoder video and audio delivery.
- ✓ Support RS232 transmission between encoder and decoder.
- ✓ Transmit images, audio and RS232 signals simultaneously, from the same source to the same destination.
- ✓ Transmit audio and video, RS232 streaming via Unicast protocol.
- ✓ Supports EDID export from monitors to decoder
- ✓ Support CEC command, one-click to turn on or off the display.
- ✓ Support HDCP.
- ✓ Support fast and seamless screen switching.
- ✓ Supports power supply by PoE devices.
- ✓ In an environment without a DHCP Server, the encoder/decoder will automatically generate a dynamic IP address when it is started.



AVP-DE1K-100- Specification

Video Input Port	1 x LAN
Video Input Type	H.264/H.265
Video Input Resolutions	Up to 1920x1080@60Hz
Video Input Signal	0.5~1.2V p-p
Video Output Port	1 x HDMI
Video Output Type	HDMI 1.3, HDCP 1.4
Video Output Resolution	Up to 1920x1200@60Hz
Audio Input Port	1 x LAN
Audio Input Format	MPEG4 AAC
Audio Output Port	1 x Phoenix connector; 1 x HDMI
Audio Output Format	LPCM/stereo
Control Method	PC configurator (AGS-TAP Lite Windows Version). Android Tablet APP (AGS-TAP Lite Android Version).
ESD Protection	Human body model: <ul style="list-style-type: none"> • ±8kV (air-gap discharge) • ±4kV (contact discharge)
Surge Protection	Voltage: ±1kV
Power Supply	12 V 1A DC
Power Consumption	5W (Max.)
Product Dimension	175mm X 25mm X 100.2mm ((L) 6.9in X (W) 0.98in X (H) 3.94in)
Product Weight	0.50kg / 1.1lbs
Operation Temperature	0°C~45°C(32°F~113°F)
Storage Temperature	-20°C~70°C(-4°F~140°F)
Humidity	10% - 90% (Non-Condensing)

