# 1080P HDMI OVER IP ENCODER

## AVP-EN1K-100  Datasheet

## INTRODUCTION

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

- Stream HDMI/RS232 signal over IP networks.
- The encoder supports resolutions up 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 mode.
- Support PoE

- Support EDID import
- 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.

| AVP-EN1K-100- Specification | |
|---|---|
| **Video Input Port** | 1 x HDMI |
| **Video Input Type** | HDMI 1.3, HDCP 1.4 |
| **Video Input Resolutions** | Up to 1920x1080@60Hz |
| **Video Input Signal** | 0.5~1.2V p-p |
| **Video Output Port** | 1 x LAN |
| **Video Output Type** | H.264/H.265 |
| **Video Output Resolution** | Up to 1920x1080@60Hz |
| **Audio Input Port** | 1 x HDMI |
| **Audio Input Format** | LPCM/stereo |
| **Audio Output Port** | 1 x Phoenix connector;<br>1 x LAN |
| **Audio Output Format** | MPEG4 AAC |
| **Control Method** | PC configurator (AGS-TAP Lite Windows Version).<br>Android Tablet APP ( AGS-TAP Lite Android Version). |
| **ESD Protection** | Human body model:<br>±8kV (air-gap discharge)<br>±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<br>((L) 6.9in X (W) 0.98in X (H) 3.94in) |
| **Product Weight** | 0.50kg / 1.1lbs |
| **Operation Temperature** | 0℃~45℃(32℉~113℉) |
| **Storage Temperature** | -20℃~70℃(-4℉~140℉) |
| **Humidity** | 10% - 90% (Non-Condensing) |