1080P HDMI OVER IP ENCODER

AVP-EN2K-101 Datasheet

INTRODUCTION

aegis 1080P over IP includesH.264IPencoder (AVP-EN2K-101) and decoder (AVP-DE2K-101) can work together to provide complete end-to-end streaming systems. Video, audio, IR, USB and RS232 signals can be routed together or separately throughout the matrix system. They can also function video wall up to the dimensions of 16 x 16 with input and output HDMI resolutions supported up to 1920 x 1080@60Hz.

They can also be powered through PoE. They provides simple, flexible control options, including RS232, IP control box (AVP-CBS2K-101), Windows software HDMI Over IP Console (for system configuration), iPad software AGS-i Touch and Windows software Maintain Tool (for firmware upgrade). The decoder also support CEC/RS232 control to realize power on and off control on displays. They offer solutions for conference rooms, shopping malls, hotels, monitoring centers, schools and corporate training environments, etc.

FEATURES

- Stream HDMI/RS232/IR/USB/ HID signal over IP networks.
- Supports resolutions up to 1920 x 1080@60Hz.
- Support video wall up to the dimensions of 16 x 16.
- Available API interface for third party control system integration, offering control through IP control box (AVP-CBS2K-101), PC configurator (HDMI over IP Console) and AGS-i Touch on iPad.
- Support audio de-embedding output.
- Support PoE
- Support HDCP.
- Support seamless swtich
- Can Configure Encoding Rate , Max to 30Mbps

- Support RS232 pass-through between encoder and decoder, or between IP control box and encoder/decoder.
- Support IR pass-through between encoder and decoder, as well as IR pass-through from IP control box to encoder/decoder in global cache IR format.
- Support KVM (keyboard/mouse only)
- Allow video, audio, IR, USB and RS232 signals to be routed together or separately.
- Can work at multicast mode or unicast*mode (configuration on network switch is not required in unicast mode).
- Support EDID import

AVP-EN2K-101- Specification	
Input Video Port	1 x HDMI
Input Video Type	H.264, MJPEG
Input Resolution	480p@60Hz, 576P@50Hz, 800 x 600@60Hz, 1024x 768@60Hz, 720p@50Hz, 720p@60Hz, 1280 x 800@60Hz, 1280 x 1024@60Hz, 1366 x 768@60Hz, 1440 x 900@60Hz, 1680 x 1050@60Hz, 1920 x 540@60Hz, 1080p@24Hz, 1080p@25Hz, 1080p@30Hz, 1080p@50Hz,1080p@60Hz, 1920 x1200@60Hz
Output Video Port	1 x LAN
Input Video Signal	0.5~1.2 V pp
Output Resolution	Large IP stream: from 480p@60Hz to 1920 x 1080@60Hz. Small IP stream: 360 x 240@ 15 Hz
Video Impendence	100 Ω
End-to-End Time Latency	When works with th e AVP DE2K 101 decoder: About 80 ms (Low latency mode, from TX to RX) About 250 ms (High quality mode, from TX to RX)
Input Audio Port	1 x HDMI
Input Audio Format	LPCM/MPEG4 AACstereo
Output Audio Port	1 x Phoenix connector; 1 x LAN
Output Audio Format	Stereo
Control Method	Front panel button, IP Control Box (AVP-CBS2K-101), PC configurator (HDMI over IP Console), iPad software AGS-i Touch
Operating Temperature	+32°F ~ +113°F (0°C ~+45°C) 10% ~ 90%, non-condensing
Storage Temperature	-4°F ~ 140°F (-20°C ~ +70°C) 10% ~ 90%, non-condensing
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Surge Protection	Voltage: ±1 kV
Power Supply	12 V 1 A DC
Power Consumption	6W (Max.)
Product Dimensions(W x H	