



## HDMI over IP Extender with Loop Out and IR

K3899

SKU: 60009

### Karbon A/V HDMI over IP Extender and Splitter System K3899:

HDMI over IP Extender is based on AV over IP solution for distribution of one HD content to one HD display device or to multiple HD display devices over a standard network switcher, and extends distance up to 492ft / 150m between encoder and decoder via a CAT5e/6 cable. It offers configurable high quality, low-bandwidth H.265 compression video. The resolution is up to 1920x1200@60Hz. It also supports HDMI loop output on transmitter. HDMI over IP Extender includes two units: Encoder and Decoder. Encoder is responsible for obtaining HDMI signals for encoding, transmitting via CAT5e/6 cables. It supports HDMI loop output; Decoder is responsible for signal decoding and outputting HDMI signals to HD displays. The product supports one-way IR control signal transmission. It offers the most convenient solution for HDMI extension over a single CAT5e/6 cable and is the perfect solution for any application.

### Features

- HDMI 1.4B, HDCP 1.4 compliant
- Video resolution up to 1080pHz (4:4:4)
- Standard H.265 Encoding/Decoding.
- HDMI, IR, over IP.
- Unicast, Multicast, distribution of HD contents to multiple HD display.
- Supports 1G standard IP switcher/router/hub.
- Compact design for an easy and flexible installation to rack

Technical: HDMI Compliance HDMI 1.3 HDCP Compliance HDCP 1.4 Video Bandwidth 6.75Gbps Video Resolution 640x480@60Hz~1920x1200@60Hz HDMI Audio Formats LPCM 2.0CH, 32KHz, 44.1KHz, 48KHz IR Frequency 20Hz ~ 60KHz Compression Technology H.265 Request for Switcher/Router Support IGMP, Support DHCP Color Space RGB, YCbCr 4:4:4, YCbCr 4:2:2 Color Depth 8-bit ESD Protection Human body model<sup>1</sup>±8kV (Air-gap discharge) & ±4kV (Contact discharge) Connection Encoder Input: 1xHDMI IN [Type A 19-pin female], Output: 1xHDMI OUT [Type A 19-pin female] 1xCAT OUT [RJ45 connector] Control:1xIR OUT [3.5mm Stereo Mini-jack] Decoder Input: 1xCAT IN [RJ45 connector], Output: 1xHDMI OUT [Type A 19-pin female], Control:1xIR IN [3.5mm Stereo Mini-jack] Mechanical Housing Metal Enclosure Color Black Dimensions 88mm (W) x 61.2mm (D) x 16.5mm (H) Weight Encoder: 158g, Decoder: 155g Power Supply Input: AC100 - 240V 50/60Hz, Output: DC 5V/1A (US/EU standard, CE/FCC/UL certified) Power Consumption Encoder: 2.55W, Decoder: 3.7W Operation Temperature -10°C ~ 50°C / 14°F ~ 122°F Storage Temperature -20°C ~ 60°C / -4°F ~ 140°F Relative Humidity 20~90% RH (non-condensing) Resolution / Distance 1920x1200@60Hz - Feet / Meter CAT 5e/6 cable 492ft / 150 meters Resolution / Cable length 1920x1200@60Hz - Feet / Meter HDMI IN / OUT 50ft / 15 meters