

SDVoE compatible HDMI 2.0 scaling receiver

The **HDMI-TPN-RX107A-SR** scaling receiver is **based on the SDVoE technology** and allows users to receive **HDMI 2.0 compliant video**, audio and control signals through **10G Ethernet networks**.



Details

The **HDMI-TPN-RX107A-SR** scaling receiver is **based on the SDVoE technology** and allows users to receive **HDMI 2.0 compliant video**, audio and control signals through **10G Ethernet networks**. Depending on the HDCP settings and the resolution of the various sources, the receiver can support seamless and fast switching between those sources by rescaling the video either to the resolution described by the **EDID** of the connected display, or to a custom resolution.

Beyond the benefits of receiving, rescaling, and seamlessly switching high-resolution video, the HDMI-TPN-RX107AU2K-SR can also handle various connectivity standards, including an 1G user Ethernet channel over the 10G link, as well as command injection into **RS-232**.

The in-built scaler can cater for adjusting the video content to the format of the attached display. Moreover, the scaler is also able to handle glitches in the video arriving at the input of the corresponding transmitter by outputting an uninterrupted HDMI signal.

When connected with Lightware's TPX family of products using a direct Ethernet connection, the HDMI-TPN-RX107AU2K-SR endpoint falls back to TPX mode to maintain transmission compatibility.

Features

- Offers scaling for format conversion and uninterrupted output
- Allows for the transmission of **HDMI 2.0 video, embedded audio, Ethernet, RS-232 and USB2.0** between an extender pair directly connected together
- Can be remote powered through CATx cable (PoE PD)
- Supports **HDMI 4K signal formats (4K UHD @60Hz RGB 4:4:4, up to 18 Gbps)**
- **HDR and Low Latency Dolby Vision support**
- HDCP 2.3 compliant
- Compatible with third-party SDVoE devices and controllers
- Ethernet extension (1 Gbps)
- Command injection on RS-232