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KDS-100DEC

Open-standard low latency AVoIP 4K@60Hz streaming decoder with audio



KDS-100DEC decoder is an advanced receiver for streamed 4K@60Hz video signals via Ethernet over copper or fiber cables. It also decodes the RS-232 or CEC signals transmitted over IP network from the encoder

FEATURES

Robust Solution for Large-Scale Installations - Provides an optimized solution for large Education and Enterprise campuses, as well as Defense and Homeland Security Facilities, with support for numerous simultaneous video flows and built-in advanced management capabilities

Highly Scalable - The KDS-100 line supports up to 1000 video sources, suited for large-scale installations

Built-in Resilient Security Features - Preserves the integrity, availability and confidentiality of the IT network via a highly secured and resilient AVoIP solution.

KDS-100 devices comply with IT security requirements, including 802.1x and HTTPS/TLS

Simple Planning and Rollout - KDS-100 is highly bandwidth-efficient, thus enabling cost-efficient hybrid use of the existing 1GE IT network. There is no need to deal with complex IP packets prioritization or switching settings. Offering easy management, high reliability, and adjustable bandwidth control, KDS-100 is extremely cost-effective to maintain over the long term

Alternative Sources/Destinations - An HDMI loop-through port on the encoder side and an HDMI input port on the decoder, as well as embedding and de-embedding analog audio to the IP stream



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TECHNICAL SPECIFICATIONS

Inputs	1 HDMI: On a female HDMI connector
Outputs	1 HDMI: On a female HDMI connector 1 Balanced Audio: On a 5-pin terminal block connector
Ports	1 Ethernet: On an RJ-45 Connection 1 RS-232: On a 3-pin terminal block connector for control 1 RS-232: On a 3-pin terminal block connector for data 1 Fiber on an LC Connector: Standard: 1000BASE-SX, 1000BASE-LX
Network	1GE IPv4 Multicast IGMPv2 RTP/RTCP Over UDP MPEG-TS
Video	Maximum Input/Output Resolution: 3840x2160@60Hz 4:4:4 HDCP: High-Bandwidth Digital Content Protection 1.4 and 2.2
Video Streaming	Open Standard: H.264 and H.265 Maximum Streaming Resolution 3840x2160@60Hz 4:2:2 Bit Rate Range: 1-60 Mbps Latency: Low latency, about 40 msec Scaler Yes
Resolution	3840x2160@60Hz 3840x2160@30Hz 1920x1080@60Hz
Security	HTTPS, 802.1x, OWASP-10
User Interface	Indicators: LINK, NET and ON LEDs, front panel channel number display Rear Panel: Factory reset button Controls Embedded web pages, P3K API commands via Ethernet, front panel channel selection buttons
Power	PoE+: IEEE 802.3at on LAN (PoE) port Optional Power Adapter 12V DC, 5A Consumption: 13.6W
Environmental Conditions	Operating Temperature: 0 to + 45°C (32 to + 113 °F), 10% to 90%, non-condensing Storage Temperature: -20 to +70°C (-4 to + 158 °F), 10% to 90%, non-condensing Humidity: 10% to 90%, non-condensing
General	Product Dimensions: 21.5cm x 16.3cm x 4.4cm (8.5" x 6.4" x 1.72") W, D, H

Shipping Dimensions: 34.5cm x 16.5cm x 5.2cm (13.6" x 6.5" x 2.05") W, D, H

Product Weight: 0.9kg (2lbs) approx

Shipping Weight: 1.4kg (3.1lbs) approx

Product Dimensions 21.46cm x 16.30cm x 4.36cm (8.45" x 6.42" x 1.72") W, D, H

Product Weight 0.9kg (1.9lbs) approx

Shipping Dimensions 34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H

Shipping Weight 1.3kg (2.8lbs) approx

