

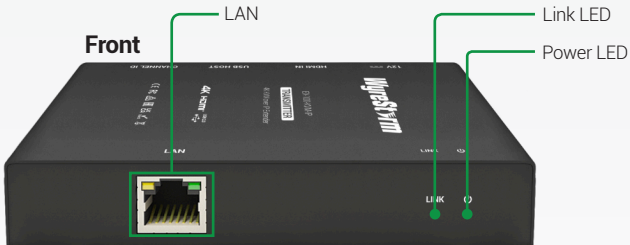
4K30 IP Based KVM Extender

Zero Latency, USB2.0, 1G Network Plug & Play Extender

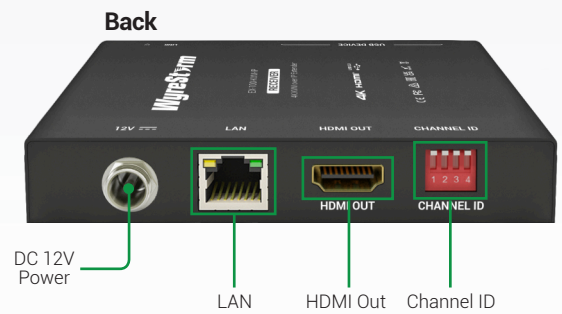
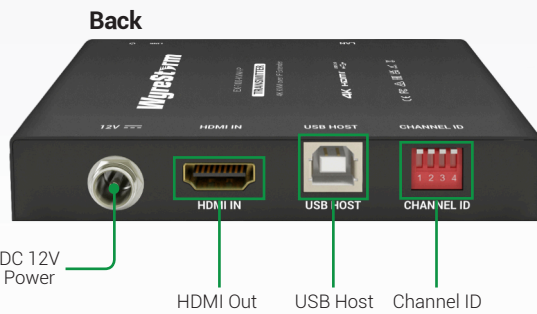
EX-100-KVM-IP

WyreStorm
Specification Sheet

EX-100-KVM-IP Encoder



EX-100-KVM-IP Decoder



WyreStorm - Powerful. Reliable. Simple.

Introduction

The EX-100-KVM-IP, a top-tier KVM over IP solution, excels in transmitting 4K video at 30Hz with virtually zero latency, making it an essential tool in professional environments. It stands out for its ability to ensure efficient, reliable performance across various settings, including corporate, educational, and specialized AV scenarios. Its advanced features cater to the needs of high-resolution displays and real-time interactions, enhancing the overall user experience in demanding and dynamic professional contexts.

Key Features

- Supports 4K@30Hz resolution
- Ultra-low latency (<1ms)
- USB 2.0 over IP support
- Supports HDCP1.4
- Built-in USB 2.0 hub
- HDMI inputs and outputs
- Supports EDID limited copy
- Multi-channel audio support
- Easy installation and versatile application
- Durable and compact design
- Compliance with global certifications (CE EMC, FCC, RCM, RoHS)
- Unlimited distance transmission over 1G network
- Plug-and-play with zero configuration
- 4-Pin DIP switch setting for up to 16 extenders sets to work in the same network

In the Box

- 1x Extender Set
- 2x DC 12V Power Supply (US/EU/UK/AU Pins for Each)
- 4x Mounting Brackets (With Screws)
- 1x USB Type B Cable
- 1x Quickstart Guide

Specifications

	Encoder	Decoder
Video		
Input Video Port	1x HDMI	1x LAN
Input Video Type	HDMI 1.4b, HDCP 1.4	Compressed IP streams
Output Video Port	1x LAN	1x HDMI
Output Video Type	Compressed IP streams	HDMI 1.4b, HDCP 1.4
Video Resolutions	Input Resolutions	Output Resolutions
	640x480 ⁸ , 800x600 ^{8,10} , 1024x768 ^{8,10} , 1280x720 ^{6,7,8,9,10} , 1280x768 ^{8,10} , 1280x800 ^{8,10} , 1280x960 ^{8,10} , 1280x1024 ^{8,10} , 1360x768 ⁸ , 1366x768 ⁸ , 1440x900 ^{8,10} , 1600x900 ⁸ , 1600x1200 ⁸ , 1680x1050 ^{8,10} , 1920x1080 ^{1,2,3,4,5,6,7,8,9,10} , 1920x1200 ⁸ , 3840x2160P ^{2,3,5} , 4096x2160P ^{2,3,5}	640x480 ⁸ , 800x600 ^{8,10} , 1024x768 ^{8,10} , 1280x720 ^{6,7,8,9,10} , 1280x768 ^{8,10} , 1280x800 ^{8,10} , 1280x960 ^{8,10} , 1280x1024 ^{8,10} , 1360x768 ⁸ , 1366x768 ⁸ , 1440x900 ^{8,10} , 1600x900 ⁸ , 1600x1200 ⁸ , 1680x1050 ^{8,10} , 1920x1080 ^{1,2,3,4,5,6,7,8,9,10} , 1920x1200 ⁸ , 3840x2160P ^{2,3,5} , 4096x2160P ^{2,3,5}
	1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz, 9 = at 100 Hz, 10 = at 120 Hz	
Input/Output Video Signal	0.5~1.2 V p-p	0.5~1.2 V p-p
Encoding Data Rate		9 Gbps
Maximum Data Rate	9 Gbps	9 Gbps
Maximum Pixel Clock	300MHz	300MHz
Transmission Distance	100m/330ft (Cat 5e or above)	100m/330ft (Cat 5e or above)
Video Latency		80us
USB Consumption		Not more than 0.5A per USB port is recommended
Audio		
Input Audio Port	1x HDMI	1x LAN
Output Audio Port	1x LAN	1x HDMI
Input/Output Audio Format	PCM 2.0 / 2.1 / 5.1 / 7.1, Dolby Digital 5.1ch, Dolby Digital Plus, Dolby TrueHD, DTS 5.1ch, DTS-HD High Resolution Audio, DTS-HD Master Audio	
General		
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C), 10% ~ 90%, non-condensing	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C), 10% ~ 90%, non-condensing	
ESD Protection	Human body model: ±8kV (air-gap discharge) / ±4kV (contact discharge)	
Power Supply	DC 12V 1A	DC 12V 1A
Power Consumption	2.5W (Max)	2.5W (Max)
Product Dimensions (W x H x D)	112mm x 17.8mm x 65.2mm / 4.41" x 0.7" x 2.57"	112mm x 17.8mm x 65.2mm / 4.41" x 0.7" x 2.57"
Net Weight	0.18kg / 0.40lb	0.18kg / 0.40lb