4K EZIP Matrix & Video Wall HDMI 2.0, 4K60, 4:4:4 with USB, Audio IR & RS-232 Over IP

OPTICONN

Features

- HDMI 2.0 over IP

- Resolutions up to 4K60, 4:4:4

- Extremely low latency: 23ms end to end

- Virtually unlimited connections

- Switch & connect with managed Gigabit switch

- One to one or one to many

- USB (keyboard/mouse) over IP

- Bi-directional audio, IR & RS-232 serial data

- Auto-discovery of all end points in the network

- Manage & create 4K video walls

- Easy to use, centralized UI to manage 4K matrix

- Software control of matrix switching, video walls, managing end points, system monitoring, event logging, scheduling & assigning user access

4K EzIP Matrix is the perfect solution for virtually unlimited connectivity of HDMI 2.0 over IP. It is a high quality, IP video matrix solution that distributes HDMI 2.0, 4K60, 4:4:4, 8 bit or HDR, 4K60, 4:2:0, 10 bit video with USB, RS-232 and IR simultaneously over an IP network. It is easily managed and controlled using a centralized controller with a user friendly web UI. The 4K EzIP Matrix consists of extremely low latency (~23 ms) encoding and decoding using the EZE-4KHDMI-IP and EZD-4KHDMI-IP as end points in the network. Each encoder and decoder can be powered via optional POE through a POE enabled Gigabit Ethernet Switch or powered with the provided power supplies. The 4K EzIP Matrix software provides the ability to switch any input to any output in a point to point or point to multi-point configuration, easily set up & configure video walls, manage & control each end point, provide system monitoring with event logging, assign user access privileges and schedule video I/O's on and off. This powerful, unique, and user friendly software is what makes it easy for anyone to build their own 4K EzIP Matrix.

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Models

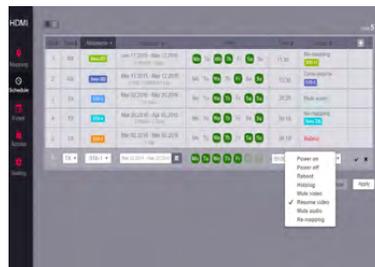| Model	Description
EZE-HDMI-4K-IP	4K HDMI over IP encoder & decoder, HDMI 2.0, HDCP 2.2, Resolutions up to 4K60, 4:4:4, USB keyboard/ mouse, Bi-directional stereo audio, IR & RS-232, Low latency 23ms, Stand-alone, 5 VDC power supply included. POE version does not need external power
EZD-HDMI-4K-IP	
EZE-HDMI-4K-IP-POE	
EZD-HDMI-4K-IP-POE	
EZC-IP	Smart Controller, UI interface, Auto-discover all end points, Stand-alone, 5 VDC power supply

Matrix Switching & Video Wall

Scheduling

Event Notifications

User Access Assignment

Specifications

Video Specifications	
Input	HDMI 2.0
Input Resolutions	Up to 4K60, 4:4:4
HDCP Compliance	HDCP 2.2

Audio Specifications	
HDMI	Up to 7.1 surround sound
Analog	Stereo (Bi-directional)
Connectors	3.5mm

Data Specifications	
USB	Keyboard & Mouse
USB Connectors	Type-A
Serial Data	RS-232
Serial Connector	DB9
IR	Pass-through (Bi-directional)
IR Connectors	3.5mm

Network Specifications	
Interface	RJ45- Gigabit Ethernet (Managed Switch with IGMP Snooping)
Latency	Typical 23 ms

Mechanical Specification	
Enclosure type	Stand-alone
Dimensions (L x W x H)	4" x 7.25" x 1.5"
Weight	1.5 lbs

Power Specifications	
Power Supply	5 VDC@2A

Environmental Specifications	
Operating Temperature	0 to 50 C
Relative Humidity	0 to 90%, non-condensing
Storage Temperature	-30 to 65 C