

# 4K EzIP Matrix

**HDMI 2.0, 4K60, 4:4:4 WITH USB, AUDIO, IR & RS-232 OVER IP**



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 (<30 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.

## Features

- HDMI 2.0 over IP
- Resolutions up to 4K60, 4:4:4
- Extremely low latency: 25ms 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



**Advanced technologies that connect your AV Network**

# 4K EZIP MATRIX & VIDEO WALL

HDMI 2.0, 4K60, 4:4:4 with USB, Audio, IR & RS-232 over IP

## 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 30ms, Stand-alone, 5 VDC power supply included |
| EZD-HDMI-4K-IP |  |
| EZC-IP         | 4K Smart Controller, UI interface, Auto-discover all end points, Stand-alone, 5 VDC power supply   |

## 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 25 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  |



## Matrix Switching & Video Wall

## Scheduling



## Event Notifications

## User Access Assignment

