The **ZIPP (Zixi IP Processor)** is designed to provide an "on ramp" to the **Zixi Broadcaster** (ZEN Master) for Content Providers to distribute high-quality live linear encoded programs to anywhere in the world with an Internet connection.

The **ZIPP** utilizes "feeder" software functionality to send video to the Zixi IP / Control Platform, allowing SD, HD, and UHD content to be delivered quickly, easily, and securely without relying on traditional methods, such as satellite and fiber.

The **ZIPP** accepts MPEG-2, H.264, or H.265 (HEVC) encoded video programs in IP and/or ASI formats and sends up to four (4) IP transport streams wrapped in Zixi protocol with configurable AES-128, AES-192, or AES-256 encryption, to a Zixi Broadcaster using the "Push Mode" feature.

Features

- Simultaneous 4xIP transport streams output (up to 20 Mbps each) in Zixi, UDP, or RTP protocol
- Pass-through or modify PSIP information such as major/minor channels, short names and corresponding program IDs (PIDs)
- Program Drop and Mux capability
- Supports SPTS and MPTS formats

Ordering Information

Model	Stock #	Description
ZIPP	6584	Zixi IP Processor; IP/ASI to IP/ASI + Zixi
ZIPP-RP-2	6593	1RU Panel Kit for mounting (2) ZIPP units

Specifications

Input

IP Mode

Connectors:	1x RJ-45
Standard:	1000Base-T Ethernet (GigE)
UDP/RTP/Zixi:	Supported (user-selectable)
Protocols:	IGMPv2/IGMPv3 Supported

Stream Portfolio

SPTS and MPTS:	Supported
Muxing:	32 SPTS to 4 MPTS
Bit Rate:	Constant

ASI

Connector:	4x BNC Female
Standard:	DVB-ASI; EN 50083-9

Output

Zixi IP / Control

Connectors:	1x RJ45
Standard:	1000Base-T Ethernet (GigE)
UDP/RTP/Zixi:	Supported (user-selectable)
Encryption:	AES-128/AES-192/AES-256 Supported
Address Assignment:	IPv4 addresses & port numbers (user-selectable)

ASI

Connectors:	1x BNC Female
Standard:	DVB-ASI; EN 50083-9

Alarms/Monitoring/Control

Local Monitoring:	1x Power LED 1x Status LED
Local Control:	1x IP Reset button
Remote Monitoring/Control:	GUI-based menu via Web browser (Same 1 GIGE port as Zixi IP / Control Output)

General

Dimensions (W x D x H):	8.69 x 12.70 x 1.97 inches (220.7 x 322.6 x 50 mm)
Power:	12 VDC External Power Supply
Power Consumption:	20 W
Weight:	3 lbs (1.36 kg)
Operating Temperature:	32 to 122 °F (0 to 50 °C)
Storage Temperature:	-13 to 158 °F (-25 to 70 °C)
Operating/Storage Humidity:	0 to 95% RH @ 35 °C max, non-condensation

Related Products

Model	Stock #	Description
ND-24-IP	1002643	HD Decoder w/ HD-SDI, HDMI, Component/Composite output
PEG Encoder w/ Zixi	1002613AZ	HD IP Encoder w/ Zixi output
PEG PLUS Encoder w/ Zixi	1002613BZ	HD IP Encoder w/ Zixi output