



VIEW® Lite is the newest and most economical addition to our AV over IP Streaming family. It provides essential functionality that meets the full needs of simple AV over IP applications while simultaneously delivering superb price-to-performance value.

VIEW Lite is a JPEG2000 compression technology based solution, with very low latency at about 1.5 frames, end-to-end, with resolutions of 4K60 with 4:2:0 color space; and 4K30 and 1080p60 with 4:4:4 color space support for ultra high-quality live video streaming and distribution applications over a dedicated IP network.

Features

- + Lowest priced AV over IP streaming solution
- + JPEG2000 codec standard technology
- + Very low end-to-end latency of around 1.5 frames
- + High bandwidth requirement of around 850 Mbps
- + 4K60 resolution with 4:2:0 color space support
- + 4K30, 1080p60 resolution with 4:4:4 color space support
- + HDCP for content protection
- + USB HID control through keyboard/mouse
- + IR and RS232 control
- + Local loopback output
- + PoE and DC power



APPLICATIONS

Corporate

Education

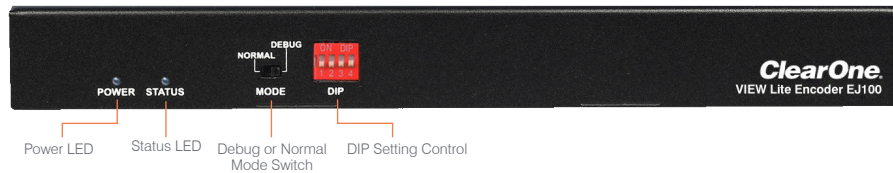
Hospitality

Entertainment

Transportation

Houses of Worship

Front Panel



Back Panel



PRODUCT SPECIFICATIONS

Video

Codec:
JPEG2000

Bandwidth:
850 Mbps

HDMI IN:
X1
Single Source HDMI input
Resolution support up to 4K@24/30Hz 4:4:4, 8-bit, 4K@50/60Hz 4:2:0, 8 bit, with multi-channel audio
HDCP 2.2 compliant

HDMI OUT:
X1
A local HDMI loopback output (for video and audio) which is split from the HDMI Input that mirrors the resolution of the input

Audio

Audio In:
3.5mm jack for analog audio input that replaces the HDMI audio when plugged in

Audio Output:
3.5mm jack for analog audio output extract from HDMI

Control

Serial RS232 Port:
3.5mm phoenix jack for the serial data transmission

IR Input:
3.5mm phone jack for IR receiving

IR Output:
3.5mm IR jack for IR transmitting

USB Host:
USB Type-B connector
Connect to PC or other HID controlled device for USB HID signal transmission

General

LAN / PoE:
RJ-45 Ethernet jack with PoE support
IEEE 802.3AF PoE PD standard
10/100/1000Mbps Ethernet Port

Reset:

Factory reset by pressing the button continuously for 5 seconds

LEDs:

LED Color	Indicator	Response
Blue	Status	Solid: The Encoder is actively connected to network and a source is detected; otherwise the LED is off. Blinking: Network only, no source detected.
Red	Power	Power is applied from PoE or external DC power supply.

Modes:

NORMAL: Encoder's RS232 is working for serial data transmission
DEBUG: Encoder's RS232 is working for DEBUG

DIP:

For quick setting of multiple units working in the same network without Controller or PC software

Power:

12V 1A DC power supply with locking (included)

Mechanical

Dimensions (W x H x D):
8.7" x 1" x 5.1"
(220mm x 25mm x 130mm)

Weight:

1.63 lbs (0.74 kg)

Mounting:

Mounting ears included

Operating Temperature:

32 to 104°F (0 to 40 °C)

Part Number

VIEW Lite Encoder EJ100: 910-0100-001

Other VIEW Lite Products

VIEW Lite Decoder DJ100: 910-0100-002

VIEW Lite Controller CJ100: 910-0100-003

SALES AND INQUIRIES

Headquarters

5225 Wiley Post Way,
Suite 500
Salt Lake City, UT 84116

US & Canada

Tel: 801.975.7200
TollFree: 800.945.7730
Fax: 801.303.5711

International

Tel: +1.801.975.7200
global@clearone.com

Sales

Tel: 801.975.7200
sales@clearone.com

TechSales

Tel: 801.974.3760
techsales@clearone.com

TechSupport

Tel: 801.974.3760
tech.support@clearone.com



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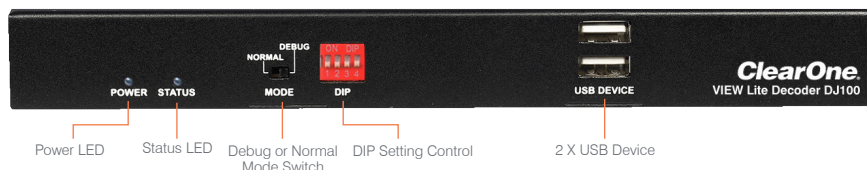
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PRODUCT SPECIFICATIONS

Video

Codec:

JPEG2000

Bandwidth:

850 Mbps

HDMI OUT:

X1

Decoded stream resolution support up to 4K@50/60Hz 4:2:0, 4K @24/30Hz 4:4:4, 8-bit, with multi-channel audio

Audio

Audio Output:

3.5mm jack for analog audio output extract from HDMI

Control

Serial RS232 Port:

3.5mm phoenix jack for the serial data transmission

IR Input:

3.5mm phone jack for IR receiving

IR Output:

3.5mm IR jack for IR transmitting

USB Device:

USB Type-A connector

Connect to HID device, such as a mouse or keyboard, to control the Host device connected to the Encoder EJ100

General

LAN / PoE:

RJ-45 Ethernet jack with PoE support
IEEE 802.3AF PoE PD standard
10/100/1000Mbps Ethernet Port

Reset:

Factory reset by pressing the button continuously for 5 seconds

LEDs:

LED Color	Indicator	Response
Blue	Status	Solid: The Decoder is actively connected to network and a destination is detected; otherwise the LED is off. Blinking: Network only, no destination detected.
Red	Power	Power is applied from PoE or external DC power supply.

Modes:

NORMAL: Decoder's RS232 is working for serial data transmission
DEBUG: Decoder's RS232 is working for DEBUG

DIP:

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Part Number

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US & Canada

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Fax: 801.303.5711

International

Tel: +1.801.975.7200
global@clearone.com

Sales

Tel: 801.975.7200
sales@clearone.com

TechSales

Tel: 801.974.3760
techsales@clearone.com

TechSupport

Tel: 801.974.3760
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VIEW Lite Features

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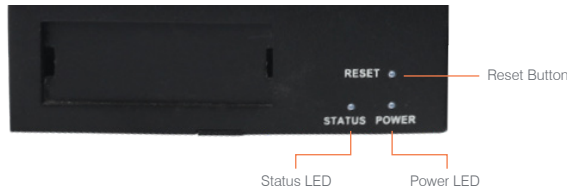
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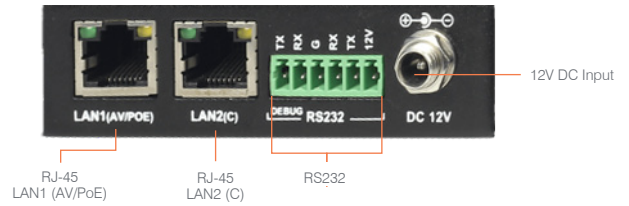
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PRODUCT SPECIFICATIONS

Control

Serial RS232 Port:

RS232 Pins TX, RX, G are used for device troubleshooting only
Pins G, RX, TX are used for controlling, configuring and managing system
Pins G, 12V are used for providing a 12 VDC 0.5 A output

LAN1 (AV/PoE):

RJ-45 Ethernet jack with PoE support
IEEE 802.3AF PoE PD standard
10/100/1000Mbps Ethernet Port
Connects to a switch for communication with encoders and decoders on the same network.

LAN2 (C):

RJ-45 Ethernet jack without PoE.
Used for 3rd-party controller controlling, configuring and managing system.

General

Reset:

Factory reset by pressing the button continuously for 5 seconds

LEDs:

Indicator	Response
Status	Illuminates Blue when IP controller is working properly; otherwise LED is off.
Power	Illuminates Red when power is applied from PoE or external power supply.

Power:

12V 1A DC power supply with locking (included)

Mechanical

Dimensions (W x H x D):

3.67" × 1.02" × 5.46"
(93mm × 26mm × 139mm)

Weight:

0.84 lbs (0.38 kg)

Mounting:

Mounting ears included

Operating Temperature:

32 to 104 °F (0 to 40 °C)

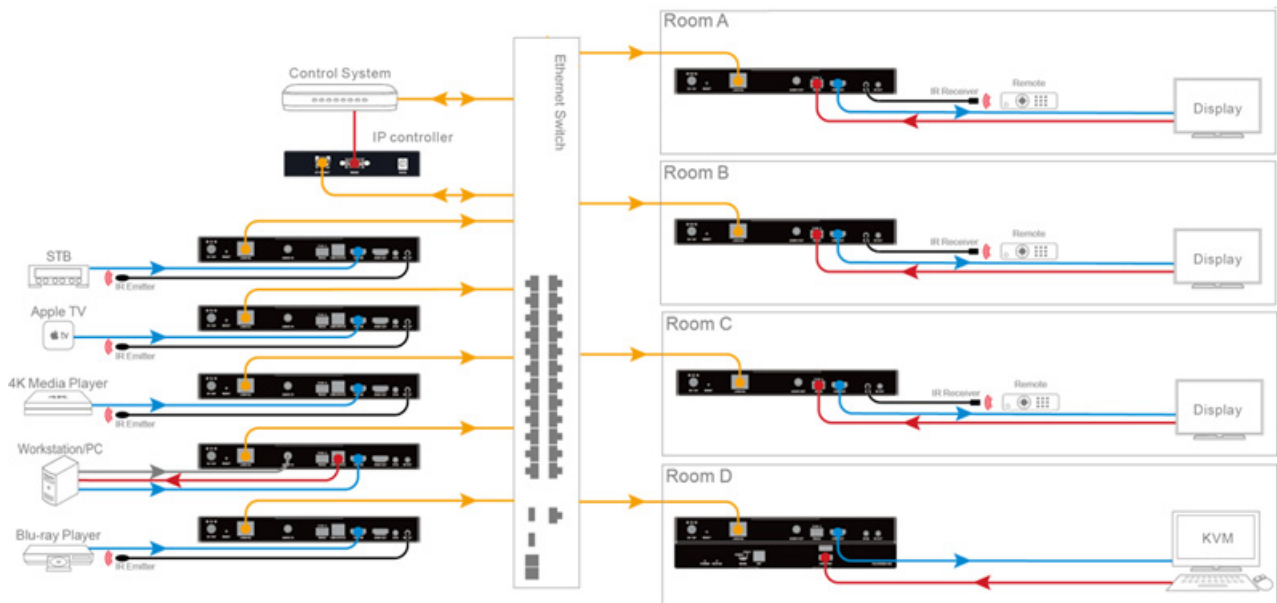
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