# ClearOne®

**VIEW® Lite DJ100 Digital AV Decoder**
JPEG2000 Based Audio/Video Decoder

## Quick-Start Guide

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# PRODUCT OVERVIEW

### VIEW® LITE AV OVER IP STREAMING SYSTEM

The VIEW Lite platform is designed to stream high-quality audio and video over a TCP/IP network (AVoIP™). An encoder, such as a VIEW Lite EJ100, takes digital video and audio from a source device, such as a receiver, cable box or DVR, and makes the source available anywhere on the dedicated Ethernet LAN network. A decoder, such as the VIEW Lite DJ100, takes the combined video and audio stream and decodes it. The DJ100 then sends the video and audio to a display such as a HDTV or projector and sound system.
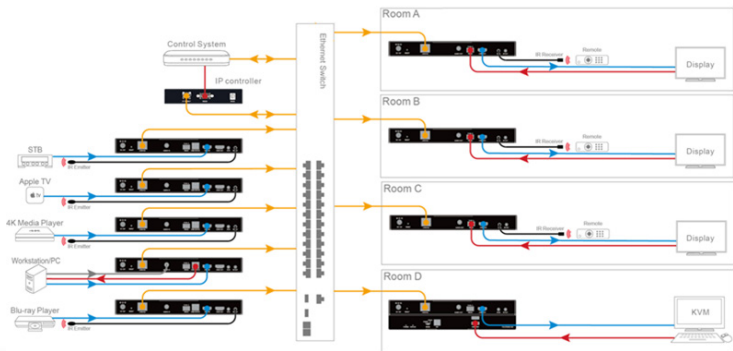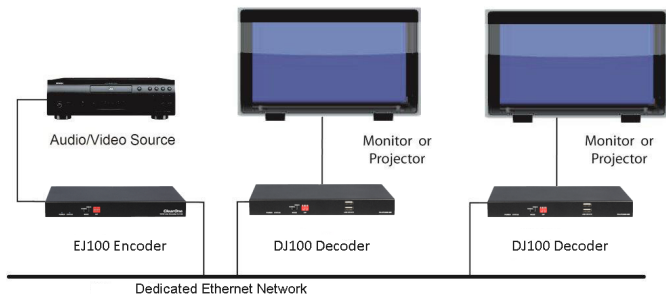
### DEVICE APPLICATION

The DJ100 is a high-definition, Internet Protocol, JPEG2000 based Audio/Video decoder. The DJ100 connects to a TCP/IP network using a Gigabit Ethernet connection. Used with the EJ100, the DJ100 decoder is designed to be installed at the location of the target video display.

Installation should be done by a qualified Dealer Service representative.

# ENCODERS AND DECODERS IN A NETWORK

The VIEW Lite encoder receives input from an AV source device such as BluRay Player, DVD Player, etc. and distributes it over a dedicated TCP/IP network using a standard Gigabit Ethernet connection. The DJ100 decoder, as a counterpart, is installed at the location of the target video display(s). They operate together; the encoders providing the IP data for the decoders to deliver to the displays.

## VIEW LITE DJ100 DECODER



Audio/Video Source

Monitor or Projector

Monitor or Projector

EJ100 Encoder

DJ100 Decoder

DJ100 Decoder

Dedicated Ethernet Network



Control System

IP controller

Ethernet Switch

STB

Apple TV

4K Media Player

Workstation/PC

Blu-ray Player

Room A

IR Receiver

Remote

Display

Room B

IR Receiver

Remote

Display

Room C

IR Receiver

Remote

Display

Room D

KVM

# PARTS INCLUDED

The following items are included:

- 1X VIEW Lite DJ100 Decoder Unit
- 1X 12V DC Power Adapter
- 1X Detachable Plug
- 1X Phoenix Euroblock (Male, 3.5 mm, 3 pins)
- 1X IR Emitter (3.9 ft / 1.2 m)
- 1X IR Wideband Receiver (3.9 ft/1.2 m, 30 kHz ~ 50 kHz)
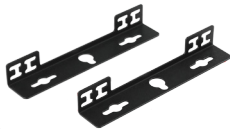- 2X Mounting Ears with Screws

Verify that all items have been received. If there is any issue, please contact your ClearOne representative.

# MOUNTING THE DJ100 DECODER

The VIEW Lite DJ100 Decoder comes with mounting ears that facilitate mounting on a table or wall.



Mounting ears attached to the unit          Mounting ears shown separately

## CONNECTING THE DJ100 DECODER

### VIEW Lite DJ100 Front Panel



Power LED Indicator    Status LED Indicator    Mode Switch    DIP Switch      2 x USB 2.0 Ports

**A. LED**
- » Power: Solid red indicates the unit is powered on.
- » Status:
  - Off (no light): Unit powered off, or in the boot process.
  - Blinking blue: Unit is disconnected from the EJ100 or an active video source, or the network is down.
  - Solid blue: Unit is connected to the EJ100 and a video stream is displayed.

**B. Mode Switch**: Set the mode for the RS-232 function. Under the default Normal Mode, a RS-232 connection enables serial command control of display or 3rd-party devices. Under Debug Mode, it enables debugging.

**C. DIP Switch**: Routes audio and video together with IR, and USB signals between DJ100 and EJ100 units. To route video from a particular source to display, toggle switches on the DJ100 to match the positions on the chosen EJ100. To unlink a DJ100 from an EJ100, reset the DJ100 factory defaults.

> **NOTE:** Before using the DIP switch, check that routing operations are not performed by other tools. If they are, the switch function is disabled. Press and hold the Reset Button to enable the switch.

**D. USB Type A Ports**: Connectivity to a PC, MAC, or laptop for USB HID (KVM) functionality.

## VIEW Lite DJ100 Rear Panel



12V DC Input | Reset Button | Network / PoE Port | 3.5mm Audio Output | RS232 Serial Command | HDMI Audio/ Video Output Port | 3.5mm IR Input | 3.5mm IR Output

- **A.** **12V DC Input:** Power provided by the power supply.
- **B.** **Reset Button:** Press and hold for 5+ seconds for factory reset.
- **C.** **Ethernet/PoE Port**: A RJ-45 10/100/1000Mbps Ethernet/PoE port that connects to a PoE power injector, or PoE Ethernet Network Switch for power, monitoring, and/or configuration.
  - Left/Green LED: Indicates a good network connection.
  - Right/Yellow LED: Blinks to indicate network activity.
- **D.** **3.5mm Audio Output**: Jack for analog audio output extract from HDMI.
- **E.** **RS-232 Ports**: Port for debugging and display/3rd-party device serial command control.
- **F.** **HDMI Out Port**: HDMI Audio/Video output to the HDMI input on the display or projector.
- **G.** **IR Input Connector**: Compatible with IR sensor (3.5mm) for Network Passthrough.
- **H.** **IR Output Connector**: Compatible with IR emitter (3.5mm) for source display or 3rd-party control.

**VIEW LITE DJ100 DECODER**

## CONFIGURING THE DECODER

The DJ100 is set up for use in an Ethernet network using the VIEW Lite CONSOLE software, a PC-based program that allows you to configure devices so they can communicate across an Ethernet network.

These processes are detailed in the VIEW Lite CONSOLE User Manual available for viewing or download at www.ClearOne.com.

## COMPLIANCE

Details on compliance can be found on the ClearOne website under "Resource Library".

## PART NUMBERS

| | |
|---|---|
| 910-0100-002 | VIEW Lite Decoder DJ100 |
| 910-0100-001 | VIEW Lite Encoder EJ100 |
| 910-0100-003 | VIEW Lite Controller CJ100 |

# CONTACT INFORMATION

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