

# DVDO



DVDO-H264/5-Encoder  
DVDO-H264/5-Decoder  
2K60 H26X Transmitter & Receiver

## User Manual

Version: V1.1



# Important Safety Instructions



1. Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



6. Clean this apparatus only with dry cloth.



2. Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.



7. Unplug this apparatus during lightning storms or when unused for long periods of time.



3. To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.



8. Protect the power cord from being walked on or pinched particularly at plugs.



4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



9. Only use attachments / accessories specified by the manufacturer.



5. Do not place sources of naked flames, such as lighted candles, on the unit.



10. Refer all servicing to qualified service personnel.

# Introduction

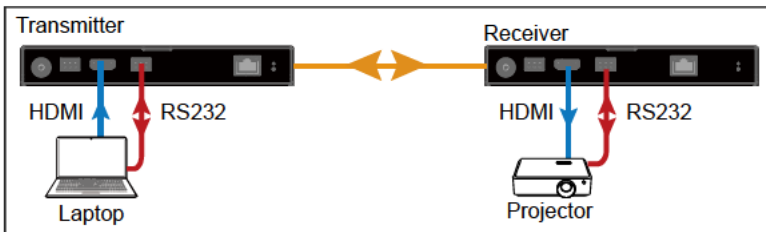
This HDMI 2.0 transceiver can transmit uncompressed 1080p @60Hz video signal up to 100m over a Cat 6a/7 cable. It can self-adjust to operate as a transmitter and/or a receiver to adapt to the detected input signal; no additional operation is required. It also supports dual video streaming and HDMI loop-out. Bidirectional RS232 and IR are also available. Audio out port supports audio pass-through or audio de-embedding output.

## Features

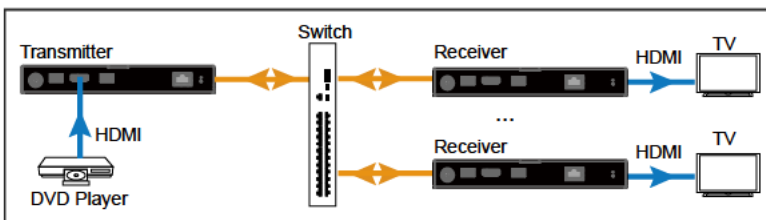
- Supports HDMI input and output resolutions up to 1080p
- Supports dual HDMI video streaming or HDMI loop-out to local display.
- Extends 1080p signal up to 80m over a Cat 5e/6 cable and up to 100m over a Cat 6a/7 cable.
- Analog audio port supports pass-through or audio de-embedding output.
- Bidirectional IR and RS232 pass-through
- USB 2.0 pass-through up to 480Mbps data rate.
- Provides front panel, RS232 and LAN control options.
- Bidirectional PoC capable - power adapter connected to either side can power both transceivers. (Note: It is recommended that you connect the power adapter to the transceiver at USB Device side before you use USB function.)

# 1. Applications

## (1) 1-1: Extender

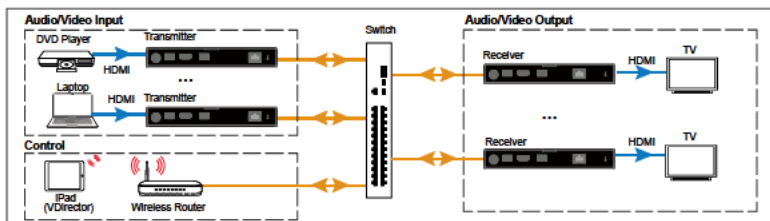


## (2) 1-n: Splitter

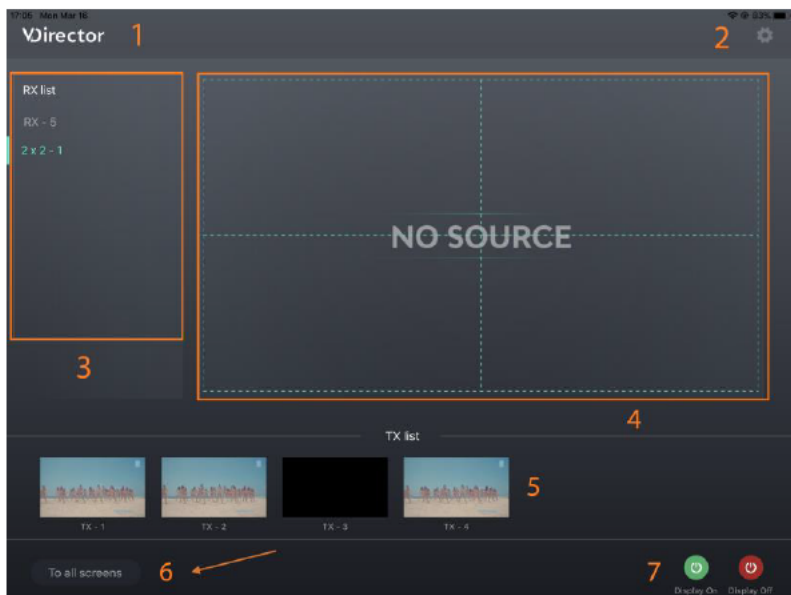


## (3) m - n: Matrix/Video Wall

- Scan the QR code or search "VDirector" in Apple App Store with your iPad to install VDirector.
- Connect all transmitters, receivers and the wireless router to the network switch according to the following diagram shown:



- Configure the wireless router properly, then connect your iPad to the Wi-Fi network. Launch VDirector on iPad, VDirector will start search for online devices, and the following main screen will appear:



No.	Name	Description
1	Logo	This logo may be revised.
2	System Configuration Button	Click this button to enter system configuration page for the functions: 1) Naming and Sequencing; 2) Video Wall Settings; 3) Advanced Settings; 4) System Information.
3	RX List	Shows the list of online RX devices, including single device and devices for video walls.
4	RX Preview	Shows the live preview of current RX assignments.
5	TX List	Shows the IP stream's live preview from TX device.
6	To All Screens	Drag a TX from TX list over this button means the switching of this TX to all RX devices in RX list, including video walls.
7	Display On/Off	<ul style="list-style-type: none"> <li>Display On: Turn on all RXs' displays.</li> <li>Display Off: Set all RXs' displays to standby state.</li> </ul>

## 2. Specifications

Video	Transmitter	Receiver
Input Port	1 x HDMI	1 x LAN
Input Resolutions	Up to 1080P@60Hz	Up to 1080P@60Hz
Output Port	1 x LAN	1 x HDMI
Output Resolutions	Up to 1080P@60Hz	Up to 1080P@60Hz
Video Protocol	H.265 Video Compression	

Audio	Transmitter	Receiver
Input Port	1 x HDMI	1 x LAN
Output Port	1 x LAN, 1 x Line Out	1 x HDMI, 1 x Line Out
Audio Format	MPEG4-AAC and LPCM Stereo	

Control	
Control Method	VDirector App on iPad

General	
Operating Temperature	0°C to 45°C (32°F to 113°F) 10% to 90%, non-condensing
Storage Temperature	-20°C to 70°C (-4°F to 140°F) 10% to 90%, non-condensing
Power Supply	DC 12V 1A/PoE
Power Consumption	TX: 5W (Max) RX: 6W (Max)
ESD Protection	Human body model: <ul style="list-style-type: none"> <li>• ±8kV (air-gap discharge)</li> <li>• ±4kV (contact discharge)</li> </ul>
Product Dimensions (W x H x D)	175mm x 25mm x 100.2mm/ 6.9" x 0.98" x 3.9" each for TX and RX
Net Weight	0.60kg/1.32lbs each for TX and RX

## 3. Package Contents

For transmitter:

- DVDO-H264/5-Encoder x 1
- DC 12V Power Adapter (with US, UK, EU and AU pins) x 1
- Phoenix Male Connectors (3.5mm, 3 Pins) x 2
- Mounting Brackets (with Screws) x 2

For receiver:

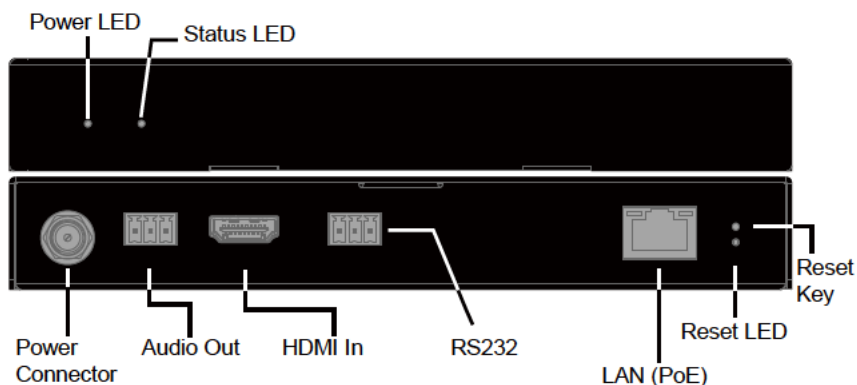
- DVDO-H264/5-Decoder x 1
- DC 12V Power Adapter (with US, UK, EU and AU pins) x 1
- Phoenix Male Connectors (3.5mm, 3 Pins) x 2
- Mounting Brackets (with Screws) x 2

## 4. FAQs

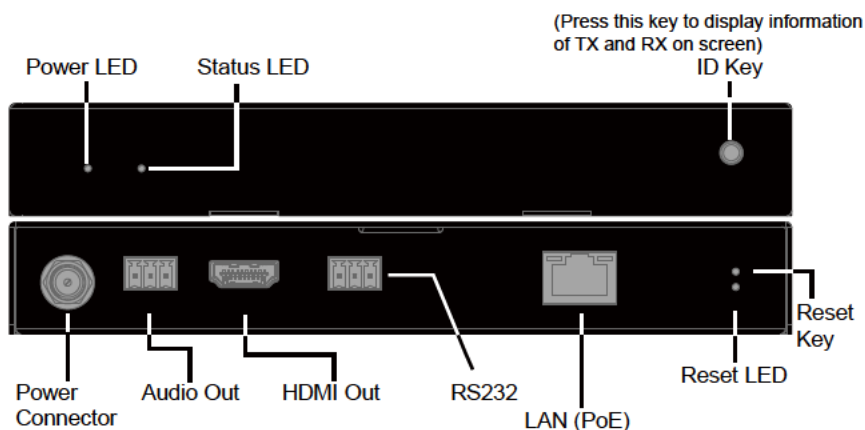
- (1) Do the network switch and the wireless router require specific settings?  
No specific settings are required. If the wireless router enables DHCP function, ensure the IP address does not start with "169.254".
- (2) Why can't VDirector find online devices?  
Ensure the network switch's broadcasting function is not disabled.
- (3) Do the transmitter and receiver support RS232 routing?  
Yes. RS232 and audio routing will always follow video routing.
- (4) Is it possible to configure video wall in the 1-n application?  
Yes.
- (5) What is the networking size?  
Limitless, except that one transmitter may only be watched by up to 50 receivers at once. Note: End-to-end latency increases with more watching receivers.
- (6) Can I change the matched transmitter for a receiver without VDirector?  
Yes. The matched transmitter will change by holding its ID key to a receiver's front panel for 2 seconds.

## 5. Panel Description

### Front Panel



### Rear Panel





# Warranty Terms and Conditions

For the following cases we shall charge for the service(s) claimed for the products if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

1. The original serial number (specified by us) labeled on the product has been removed, erased, replaced, defaced or is illegible.
2. The warranty has expired.
3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.
5. The service, configuration and gifts promised by salesman only but not covered by normal contract.
6. We reserve the right for interpretation of these cases above and to make changes to them at any time without notice.



# DVDO

---