XVISION®

USER MANUAL

XVISION CONVERTER HDBT TO HDMI (RECEIVER)

PowerCON in/Edison out

TXVV-HDBT2HDMI

User Manual – xVision® Converter HDBaseT to HDMI (RX)

Congratulations on your new acquisition of an xVision Video Converter. It has been designed for years of trouble-free use in the harshest of environments. Should you have any questions regarding this product, feel free to contact us using our website at www.theatrixx.com, or by phone at 1-800-939-3077.

The xVision® Video Converter HDBaseT to HDMI receives an HDMI® signal from an HDBaseT®-compliant transmitter, including 100Mpbs Ethernet for control, all in a rugged, tour-ready enclosure with built-in power supply. There are no settings to fumble with – it just works.

Features

- Integrated power supply with locking PowerCON connector. Never rely on a cluster of wall-warts again.

- Built-in convenience 120V outlet to power nearby projector, TV, laptop, small video projector... Power bar to power both the converter and device not required anymore.

- Magnetic stacking system and non-skid rubber pad saves up to 10 gaffer tape rolls a year in rental applications.

- Multiple mounting options : C-Clamp, wall-mount adapter, LCD mount adapter, belt adaptor and strapping.

- Rugged, Tour-ready and aesthetic enclosure : The sexiest widget in your toolbox that will keep looking good for years to come.

- Plug-n-play operation; No dipswitches, buttons or menus to fumble with : It just works.

- Clear and ample status LED indicators for quick troubleshooting.

- HDMI input tested and compatible with Apple computers and iPad.

- Easy on-the-field identification with unique color and alphabetic coding system.

- Locking HDMI port & EtherCON prevents accidental disconnection.

- Fully compliant with HDBaseT® 1.0 devices.

- Transmits 4K30 (or 4K60 at 4:2:0) signals over up to 100 meters of CAT6 cable with HDCP support.

- Built-in 100Mpbs Ethernet channel for projector control, LAN extension and more.

- Proudly designed and assembled in Canada.

Safety and compliance

cQPSus

This equipment has been tested and meets the following conformance standards:

- CAN/CSA-C22.2 NO. 60950-1-07 - Information Technology Equipment - Safety - Part 1: General Requirements - Second Edition; including AMD 1:2011 and AMD 2:2014

- UL 60950-1 - UL Standard for Safety: Information Technology Equipment - Safety - Part 1: General Requirements - Second Edition; Reprint with Revisions Through and Including October 14, 2014

FCC Class A Notice

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.

2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

ICES-003 Class A Notice - Avis NMB-003, Classe A

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

WARNING ⚠

Changes or modifications not expressly approved by Theatrixx Technologies could void the user's authority to operate the equipment.

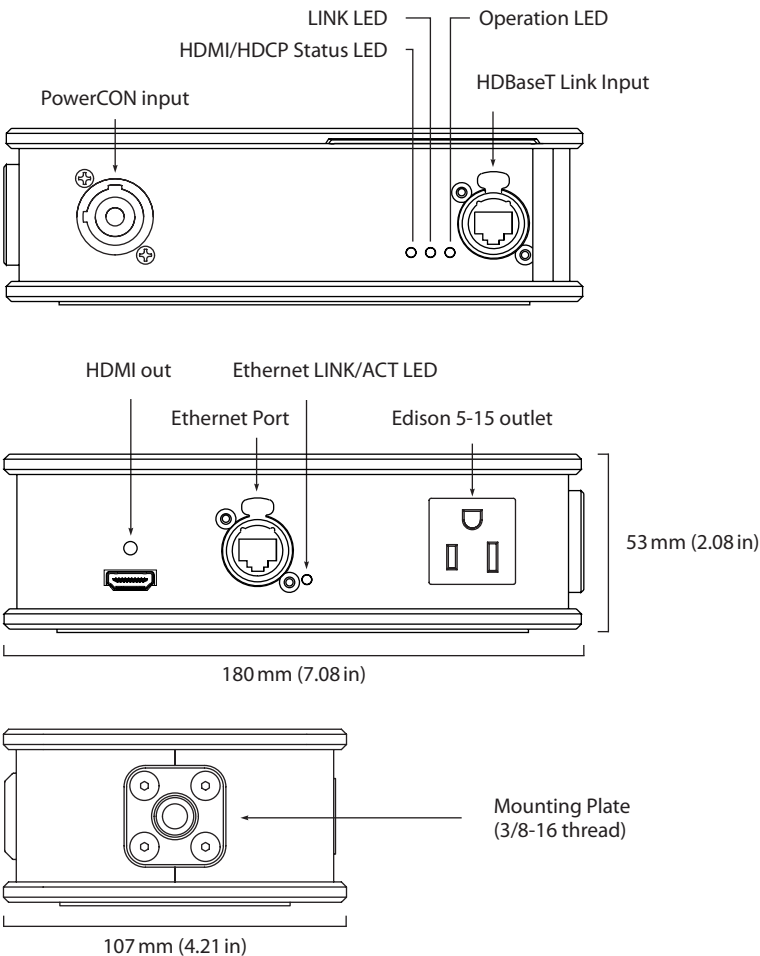**Before operation, read these general warnings**

- The unit is intended for professional use only. Not for domestic use.

- Read and follow all instructions and information marked on the product or in this manual.

- Do not use this unit near water and clean only with a dry cloth.

- Install the unit in accordance with this manual.

- Do not install near any heat sources.

- Do not modify any part of the power cord. If the provided plug does not fit into your outlet, please consult an electrician.

- In the event the AC cable appears damaged, do not plug the unit in AC power and return it to your dealer for repair.

- Turn off the power before plugging or unplugging the PowerCon connector. The PowerCon has no breaking capacity and should not be connected or disconnected under load or live.

- Protect the power cord from being walked on.

- The Mains plug is used as the disconnection for the unit, it must remain accessible and operable.

- Unplug this unit during lightning storms or when unused for a long period.

- Servicing must be performed by a qualified and certified technician.

- Do not open the chassis. Opening the chassis will void the warranty unless performed by an authorized Theatrixx Service Center.

- Disconnect the AC Power Plug before moving the unit.

- Electrical grounding must be observed at any time to avoid electrical shock.

- Make sure that all devices plugged in the outlet connector of the device do not exceed 10A.

- Contains Neodymium magnets.

1. Unpacking

After opening the box, remove the unit from its protective plastic bag, and unpack the included accessory box. Ensure the package contains the following:

- xVision® Converter HDMI to HDBaseT, PowerCON True1 in / Edison out
- Edison male to PowerCON cable (1.5 meter)
- Warranty card
- This user manual

Familiarize yourself with the unit connections and indicators:

LINK LED ── ┌── Operation LED

HDMI/HDCP Status LED ──

HDBaseT Link Input

PowerCON input

HDMI out   Ethernet LINK/ACT LED

Ethernet Port   Edison 5-15 outlet

53 mm (2.08 in)

180 mm (7.08 in)

Mounting Plate
(3/8-16 thread)

107 mm (4.21 in)

2. Installation

The unit can be mounted in different ways using the threaded mounting plate on its side. Any standard C-clamp type device (sold separately) or bolt using a 3/8-16 thread may be used. The unit may also be placed on a stable horizontal surface with no other attachment needed. Using the built-in magnets, multiple units may be stacked easily.

3. Operation

The unit has automatic input format detection and adjusts the output to match the input. The unit will also pass thru any HDCP encryption, so your protected content can be played on an HDCP-compatible display on the other end.

1. Connect unit to power and (if applicable) connect equipment to the AC outlet.

2. The unit will boot and the Operation LED will blink periodically to indicate device operation

3. Connect the HDBaseT LINK connector to an HDbaseT®-compliant receiver. The Link LED will light up.

4. As soon as a valid video source is detected by the transmitter, and a valid video sink (display, projector, etc) is detected by the receiver, the HDMI LED will light up to indicate video transmission. See the LED Modes Charts table below for more details about LED behaviour.

5. Ethernet devices may be connected to the Ethernet port, which will provide a 100Mpbs Ethernet link to the receiver's Ethernet port.

TIP : For best performance, use only HDBaseT-approved CAT6 cable. Contact Theatrixx for more information.

LED Modes Chart

Operation LED	1 sec blink	Device is operating normally
Link LED	Solid on	HDBaseT link established
	Low speed blink	Low Power mode
	High speed blink	Ethernet fallback mode
	Off	No link
HDMI LED	Solid on	HDMI/DVI content exists – with HDCP encryption
	Blink	HDMI/DVI content exists – without HDCP encryption
	Off	No HDMI

Warranty

Limited warranty

Your xVision Video Converter includes a 2-year limited warranty. Please see the included warranty card for more information.

Appendix A : Specifications

Connections

- Video Input :   HDMI® type A connector
- Ethernet port :   100Base-T on a Neutrik EtherCON connector
- Link Ouput :   HDBaseT® 1.0 on a Neutrik EtherCON shielded connector

Video

- 4K60 support :   4096 / 3840x2160 @ 60 Hz, up to YCbCr 4:2:0
- 4K30 support :   4096 / 3840x2160 @ 30 Hz, RGB/ YCbCr 4:4:4
- Up to 1920x1080 @ 60 Hz, RGB/ YCbCr 4:4:4

Audio

- Full HDMI® embedded audio support

Physical Specifications

- Height :   50mm (1.97in)
- Depth :   180mm (7.08in)
- Width :   107mm (4.21in)
- Weight :   1kg (2.2lbs)

Power Requirements

- Power Supply :   Built-in power supply, PowerCon input, Edison Nema 5-15 output
- Current Consumption :   0.15A Standalone, 10A with AC Outlet
- Operational Voltage Range :   100-120V, 50-60 Hz

Environnemental Specifications

- Relative Humidity :   0% to 90% non-condensing
- Working temperature :   0 to 40°C

Notices

Trademarks and copyright

xVision is a registred trademark of Theatrixx Technologies Inc.

HDBaseT is a registered trademark of HDBaseT Licensing LLC.

The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.

Recycling notice

The unit must not be disposed of with your other household waste. It is your responsibility to dispose of your waste equipment by handing it to a designated center for the recycling of electrical equipment.

Contact

To contact Theatrixx Technologies for sales or support, use any of the following methods:

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