VRX70-18G
4K HDBaseT™ Receiver

The VRX70-18G HDMI® 2.0 4K60Hz 4:4:4 (18Gbps) HDCP2.2 HDBaseT™ Receiver pairs perfectly with the VX44-18G-Kit* and the VX88-18G and offers market-leading features and outstanding value, including Color Space Conversion (CSC) technology. The product extends HDMI®, Bi-directional IR, and is powered by the matrix up to lengths of 70m (4K 40m). The VRX70-18G HDMI® 2.0 4K60Hz 4:4:4 (18Gbps) HDCP2.2 HDBaseT™ Receiver pairs perfectly with the VX44-18G-Kit* and the VX88-18G and offers market-leading features and outstanding value, including Color Space Conversion (CSC) technology. The product extends HDMI®, Bi-directional IR, and is powered by the matrix up to lengths of 70m (4K 40m).

* The VX44-18G-Kit comes with 4 x VXR70-18G

Key Features

- Advanced HDBaseT™ technology enables distribution of video and audio over a single CAT cable
- Advanced color Space Conversion (CSC) supports HDMI® 2.0 18Gbps specification including HDR
- Supports all industry standard video resolutions including VGA-WUXGA and 480i-4K and all known HDMI® audio formats including Dolby TrueHD®, Dolby Atmos®, Dolby Digital Plus® and DTS-HD Master Audio® transmission
- HDMI® re-clocking to help solve HDMI® HDCP, compatibility and handshaking issues
- IR pass-through to compatible HDBaseT™ devices
- Supports bi-directional PoC (Power over Cable) from VX88-18G
- HDCP 2.2 support

Compatible Products

VX44-18G
4 x 4 4K HDBaseT™ Matrix Switcher

VX88-18G
8 x 8 4K HDBaseT™ Matrix Switcher

Included in the Box
VRX70-18G (1), Mounting Kit (1)

Specifications

Video Input Connectors................ 1 x HDBaseT™ RJ45 Connector

Video Output Connectors .... 1 x HDMI® Type A, 19-pin, female

Audio Input Connectors .... 1 x Toslink (S/PDIF)

Audio Output Connectors ..... 1 x Toslink (S/PDIF), 1 x 3.5mm L/R Analog Audio

HDBaseT™ Transmission .... 1080p@50/60Hz ≤ 131ft (70m)
Distance .... 3840 x 2160 @50/60Hz 4:4:4 ≤ 229ft (40m)

Max. Bandwidth... 18Gbps

RS-232 serial port .... 1 x 3-Pin Phoenix Connector

IR Input ports .... 1 x 3.5mm Stereo Jack

IR Output ports .... 1 x 3.5mm Mono Jack

Mounting Kit.. Included

Dimensions (WxDxH).. 5.5" x 3.3" x .7"
.... 140mm x 84mm x 18mm

Dimensions (WxDxH).. 5.5" x 3.5" x .7"
(including connectors) .... 140mm x 88mm x 18mm

Shipping Weight... 1.3lbs. (0.6kg)

Operating Temperature .... 32°F to 104°F (-5°C to +55°C)

Storage Temperature .... -4°F to 140°F (-25°C to +70°C)

Power Supply .... 1x 12V/1A DC, Screw Connector

Warranty .... Three Years (Parts & Labor)

All features and specifications subject to change without notice

State-of-the-Art Video Technology

HDBaseT™
No bottleneck with the latest HDBaseT™ 18Gbps standard that provides the highest possible bandwidth that currently exists.

4K UHD
Enjoy stunning picture quality with 4K UHD resolution.

2160p/60Hz/4:4:4
Eliminate blurred fast motions in action movies. 4K resolution paired with 60Hz refresh rate provides a crystal clear and crisp picture quality.

Long Distance
Go beyond the distance limitations of HDMI® cables. Video can be transmitted over a Cat cable up to 229ft/70m.

HDCP 2.2
Be fully compliant with the latest copy protection algorithms to avoid black screens when connecting an HDMI® source

Power over HDBaseT™
Get rid of extra power supplies for HDBaseT™ receivers. Remote devices can be powered over the HDBaseT cable.

Example Schematic