Dual use, function switch freely

Simply flip the switch to easily switch between receive and send modes, making it convenient to adapt to different needs and scenarios.

Receiver unit

Transmitter unit

VISSONIC

100m

IR OUT   IR IN   HDMI IN   T/R   MODE   SW   PWR LINK VIDEO

Test Def Pass

HDBaseT   RS-232   HDMI OUT   — AUDIO —   DC 12-48V

R2 T2 TX RX ⏚   IN   OUT

radio/television projects, multimedia conference hall, television teaching, command/control centers…

VIS-UHB series HDBaseT video extender

- ● T/R Integrated Design: Mode switching via toggle for multi-scenario deployment.
- ● 4K60Hz 4:4:4 Ultra HD: Uncompressed transmission (VIS-UHB100 and VIS-UHB40).
- ● HDMI Loop-Out: Synchronized multi-display output in transmitter mode.
- ● Three Engineering Modes: Signal Generation, upscaling, pass-Through.
- ● Compatible with VISSONIC M5, X9, X9-A, and VS series HDBaseT transmitter & receiver cards.

Signal Generation   4K60Hz 4:4:4   HDMI Loop-Out   Pass-Through   Upscaling

VIS-UHB40
HDBaseT Extender Transmission (40m)

VIS-UHB100
HDBaseTExtenderTransmission(100m)

Overview

The VIS-UHB40 is designed for long-distance signal transmission and integrates with our video matrices or processors. It supports up to 4K@60Hz 4:4:4 resolution and can switch between sending and receiving modes. It also supports bidirectional serial ports, infrared, audio transmission, and POC power, simplifying installation and eliminating extra wiring.

Overview

The VIS-UHB100 is designed for long-distance signal transmission and integrates with our video matrices or processors. It supports up to 4K@60Hz 4:4:4 resolution and can switch between sending and receiving modes. It also supports bidirectional serial ports, infrared, audio transmission, and POC power, simplifying installation and eliminating extra wiring.
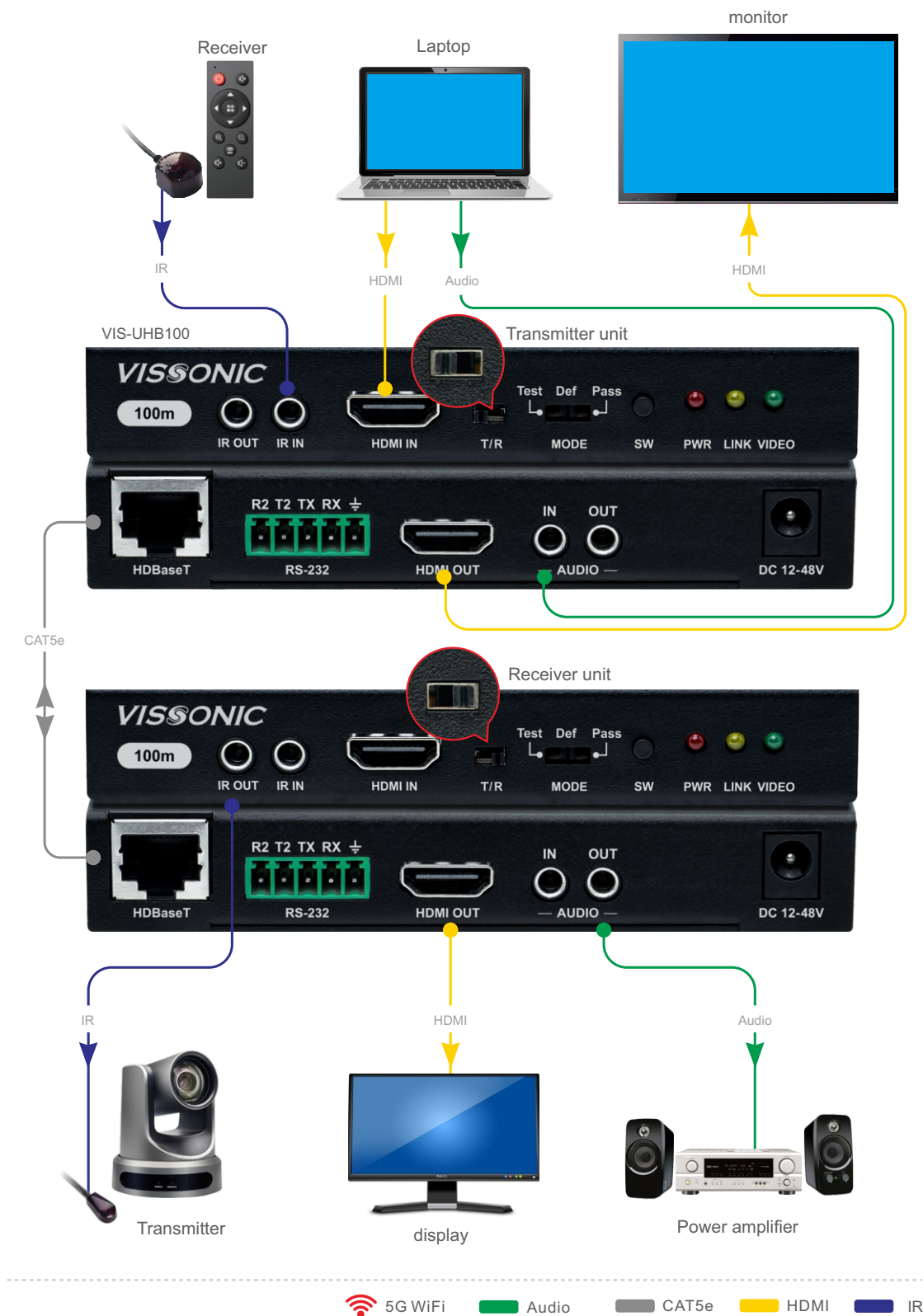
Basic Functions

- 4K@60Hz up to 40m, 4K@30Hz up to 70m;
- Supports 4K@60 4:4:4 input/output, HDMI 2.0, HDCP 2.2 for clear video and color accuracy;
- Support bi-directional analog audio;
- Built-in test patterns with multiple presets for easy testing and debugging;
- Selectable sending/receiving modes; HOST for sending, DEVICE for receiving;
- HDMI output in sending mode supports loop-out for multidevice synchronization;
- EDID management with internal or pass-through EDID options;
- POC power supply to eliminate extra power cables and simplify installation;
- Supports CEC/IR/RS232 passthrough;
- Input equalizer adjusts HDMI signals for long distance, lowquality cables, or weak source devices.

Basic Functions

- 4K@60Hz,100m;
- Supports 4K@60 4:4:4 input/output, HDMI 2.0, HDCP 2.2 for clear video and color accuracy;
- Support bi-directional analog audio;
- Built-in test patterns with multiple presets for easy testing and debugging;
- Selectable sending/receiving modes; HOST for sending, DEVICE for receiving;
- HDMI output in sending mode supports loop-out for multidevice synchronization;
- EDID management with internal or pass-through EDID options;
- POC power supply to eliminate extra power cables and simplify installation;
- Supports CEC/IR/RS232 passthrough;
- Input equalizer adjusts HDMI signals for long distance, lowquality cables, or weak source devices.

Specifications

Interface Bandwidth	18Gbps
Protocol Standards	HDMI 2.0, HDCP 2.2
Max Resolution	4K@60Hz (4:4:4)
Transmission Distance	4K@60Hz, 40m or 4K@30Hz, 70m
Video Interface	HDMI-A Female
Serial Control	RS-232, Baud Rate: 110-115200bps
Recommended Cable	5m HDMI 2.0
Signal Type	TMDS Digital Signal
Storage Environment	Temperature: -20°C ~ +70°C, Humidity: 10% ~ 90%
Power Supply	DC12V
Max Power Consumption	8W
Dimensions (mm)	128L x 78W x 21H
Compliance	CE, ROHS
MTBF	100,000 hours
Warranty Period	3 years

Specifications

Interface Bandwidth	18Gbps
Protocol Standards	HDMI 2.0, HDCP 2.2
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System Diagram

monitor

Receiver

Laptop

IR

HDMI

Audio

HDMI

VIS-UHB100

Transmitter unit

VISSONIC

100m

IR OUT   IR IN   HDMI IN   T/R   MODE   SW   PWR LINK VIDEO

Test Def Pass

HDBaseT   RS-232   HDMI OUT   AUDIO   DC 12-48V

R2 T2 TX RX   IN   OUT

CAT5e

Receiver unit

VISSONIC

100m

IR OUT   IR IN   HDMI IN   T/R   MODE   SW   PWR LINK VIDEO

Test Def Pass

HDBaseT   RS-232   HDMI OUT   AUDIO   DC 12-48V

R2 T2 TX RX   IN   OUT

IR

HDMI

Audio

Transmitter

display

Power amplifier

🛜 5G WiFi   ▬ Audio   ▬ CAT5e   ▬ HDMI   ▬ IR