



Professional Audio Video Manufacturer

VIS-UHB Series HDBASET Extender

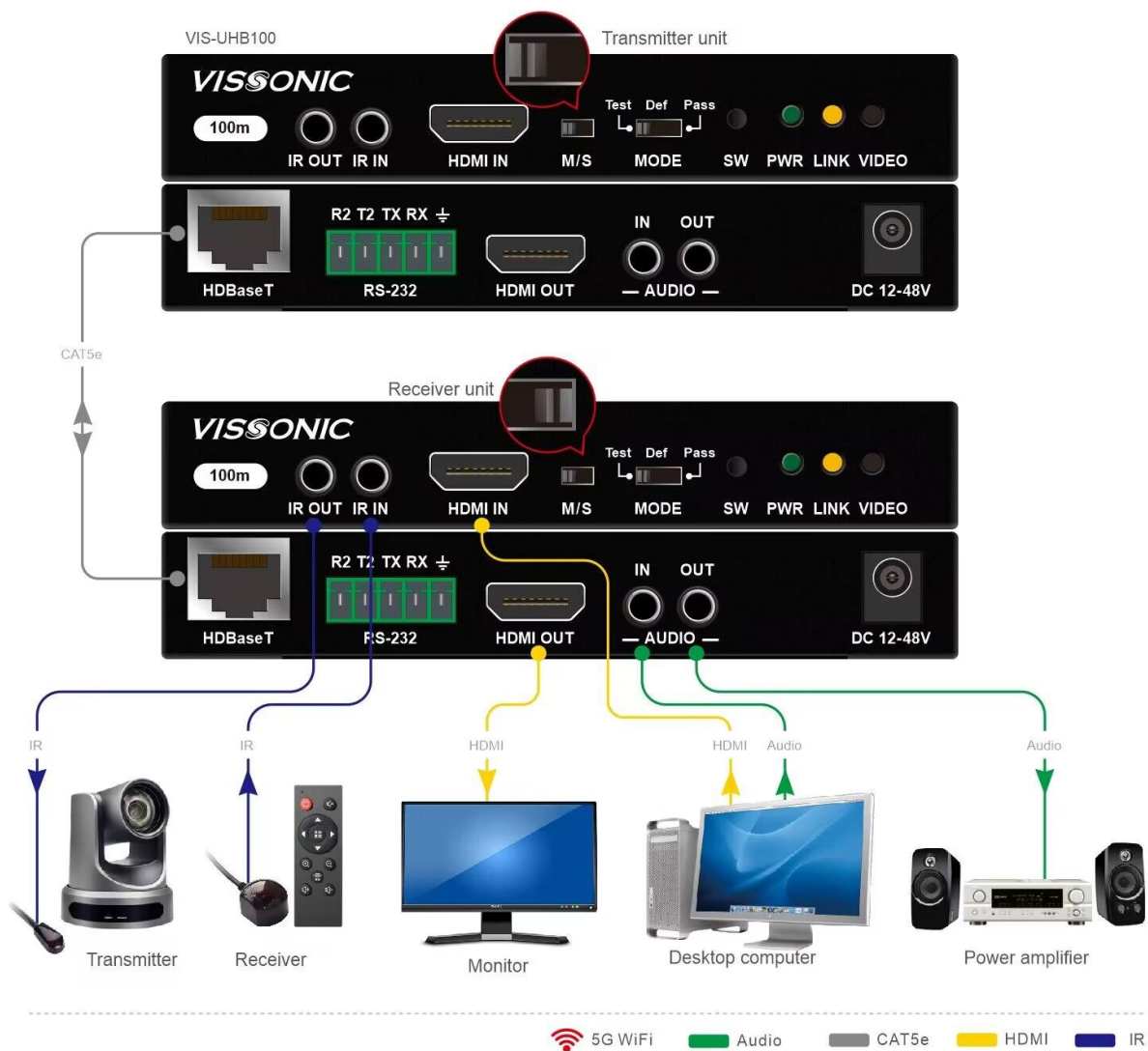
Product Datasheet



VISSONIC ELECTRONICS LTD.

Think Solution

Diagram



VIS-UHB40/100

HDBASET Extender



VIS-UHB40



VIS-UHB100

Overview

The VIS-UHB series is designed for long-distance signal transmission, supporting up to 4K@60 4:4:4 resolution. It functions as both a transmitter and receiver, allowing users to switch modes based on application needs. The device supports bidirectional serial, infrared, and audio transmission, along with POC power supply, simplifying wiring. Versions are available for 40m and 100m transmission, with optional support for USB and Ethernet models .

Features

- Supports 4K@60 4:4:4 input/output with HDMI 2.0 and HDCP 2.2 for clear video and accurate color reproduction
- Bidirectional analog audio support
- Built-in test patterns for easy testing
- Digital audio output supported
- Selectable transmitter/receiver modes (HOST as transmitter, DEVICE as receiver)
- HDMI loop-out in transmitter mode

- EDID management with internal or pass-through modes
- POC power supply, eliminating the need for separate power cables and simplifying installation
- CEC/IR/RS232 pass-through supported
- Input equalization to adjust HDMI signals, compensating for long or poor-quality cables and weak sources

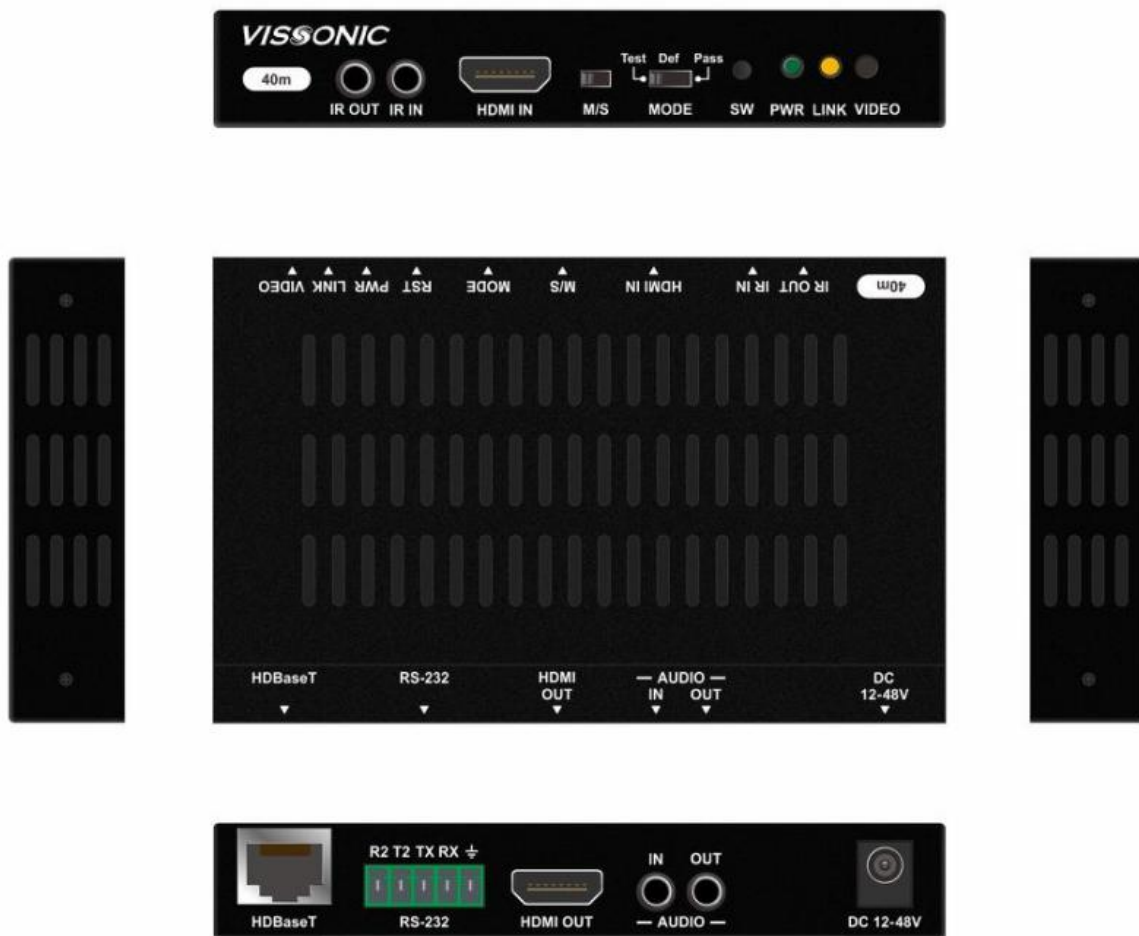
Technical Parameters

Optical Interface	LC dual fiber connector
Interface Bandwidth	Forward: 10Gbps, Reverse: 10Gbps
Protocol Standard	Solid conductor, 24 AWG or better
Cable recommendation	HDMI 2.0, HDCP 2.2
Max Resolution	4k@60hz,4:4:4
Transmission Distance	40m/ 100m
Video Interface	HDMI-A female
Signal Type	TMDS digital signal
Serial Control	RS232, Baud rate: 110-115200bps
Power Supply	DC 12V
Max Power Consumption	8W
Installation	Rack-mountable with ear brackets
Temperature Range	-20° to +70°C
Humidity	10% to 90% (non-condensing)
MTBF	100,000 hours
Dimensions (L×W×H)	124×78×21 mm (excluding connector)
Weight	300g
Compliance	CE, ROHS
Product quality assurance	3 years

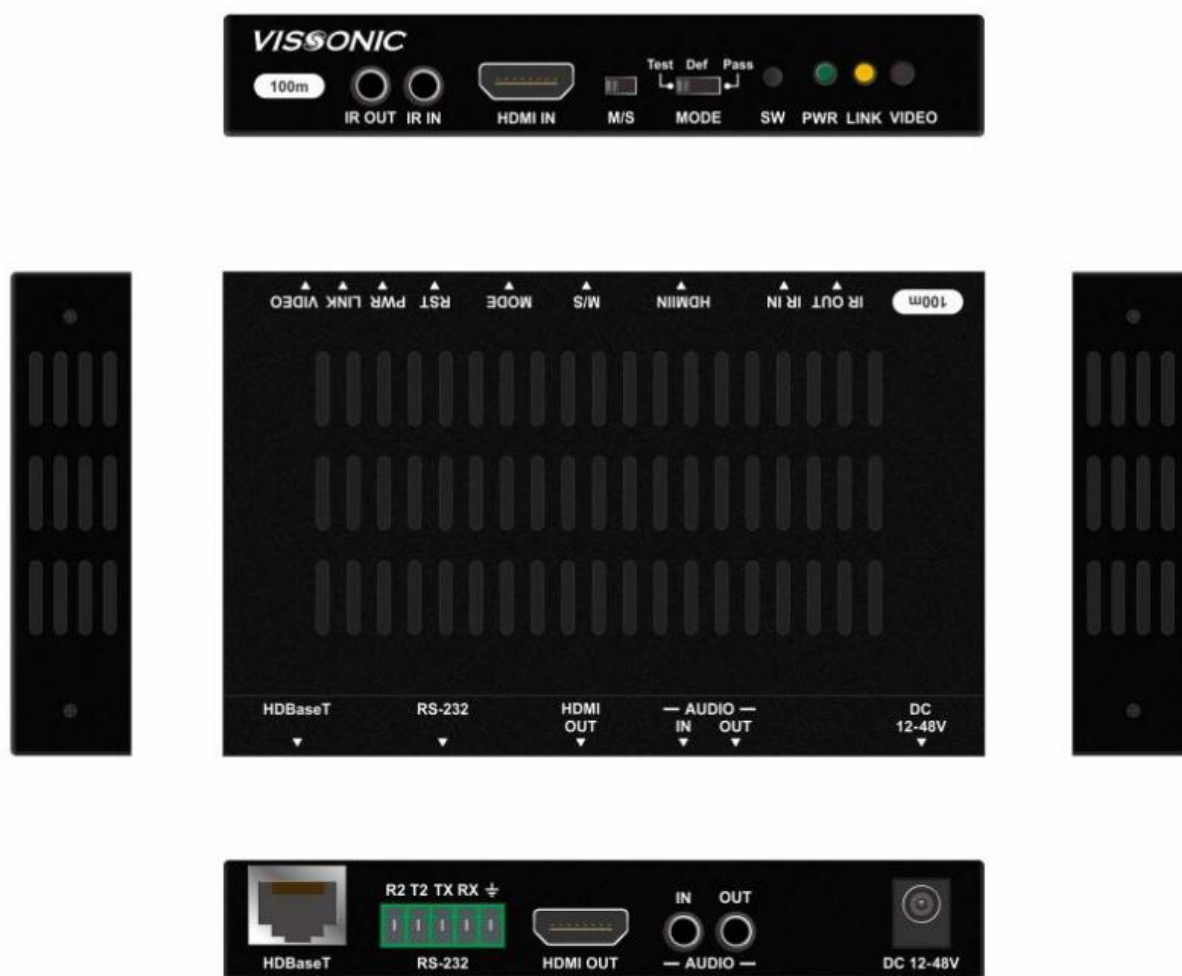
Functional comparison

Model	transmission distance
VIS-UHB40	4K@30,70m; 4K@60,40m
VIS-UHB100	4K@60,100m

Drawings



UHB40



UHB100

About VISSONIC Electronics Limited

Our mission is to develop and manufacture the most comprehensive and innovative audio visual products for our clients. We provide the best performance/price ratio products because it could give you satisfaction just from the time you use them, we believe the good design with cutting edge technology on products will provide value to all our partners and end users. Listen to your demands, we fulfill it.



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