

HDBT-SCL21R/P 2X1 Scaler Receiver



The ABtUS **HDBT-SCL21R/P** is a professional 4K Scaler Receiver that scales HDMI/HDBaseT video signal to a HDMI output by selecting output resolution from 720p to 4K. The HDBaseT input supports PoC and can connect to HDBaseT transmitter up to a maximum of 100m.

With 1 IR In and 1 IR Out and 2 RS232, the IR and RS232 control signals can be transmitted bi-directionally between the HDBT-SCL21R/P and the compatible HDBaseT matrix (ABtUS 6x2 Series).

Features

- Features 1 HDMI input and 1 HDBaseT input.
- The HDMI output resolution can be selected from 720p to 4Kx2K @ 60Hz 4:4:4 to assure preferred output.
- HDMI signals transmission up to 70m at 4K and 100m at 1080p on HDBT input.
- Output resolutions selectable to assure preferred output, and supports various output resolutions, such as 4Kx2K@60Hz, 4Kx2K@30Hz, 1920x1080p@ 60Hz, 1280x720@60Hz and so on.
- Supports RS232 pass-through to communicate control signal between the scaler and the connected HDBaseT matrix.
- Controllable via RS232 local and pass-through, IR local and pass-through.
- The receiver can be powered by the connected HDBaseT Matrix (ABtUS 6x2 Series) via POC.

Technical specification

Input:	1×HDMI 1×HDBT
Input Connector:	1×Type-A female HDMI 1×RJ45
Video Input Video Resolution:	Up to 4K@60Hz 4:4:4 HDR (HDMI) Up to 4K@60Hz 4:2:0 (HDBT)
Output:	1×HDMI
Output Connector:	1×Type-A female HDMI
Video Output Video Resolution:	HDMI: Up to 4K@60Hz 4:4:4 HDR HDBT: Up to 4K@60Hz 4:2:0
Control Port:	1×IR IN, 1×IR Out, 1×RS232 (Control), 1×RS232 (Passthrough),
Control Connector:	1×3.5mm jacks, 1×3-pin phoenix connectors
HDMI Version:	Up to 2.0
HDCP Version:	Up to 2.2
Bandwidth:	18Gbps
HDBT Transmission Distance:	1080p@60Hz ≤ 328 feet (100 meters), 4K@60Hz ≤ 230 feet (70 meters)
Operation Temperature:	-10 ~ +40°C (+14F°~ +104°F)
Storage Temperature:	-15 to +55°C (-5F° to +131°F)
Relative Humidity:	10% to 90%
External Power Supply Input:	100V~240V AC
Output:	24V DC 2.71A
Power Consumption:	8w (max)
Dimension (W*H*D):	150 mm x 23 mm x 110 mm
Weight:	Net weight 375 g