

H3C-100-ARC

HDBaseT Transmitter / Receiver



The H3C-100-ARC can extend uncompressed 4K60 4:4:4 HDR10+ and eARC/ARC, RS-232, bi-directional IR, 1GbE Ethernet and USB 2.0 signals up to 328ft (100m) via a single CAT6A/7

Features:

- HDMI 2.0b, HDCP 2.2 and HDBaseT 3.0 compliant
- Uncompressed 4K@60Hz 4:4:4 up to 18Gbps video bandwidth
- HDR, HDR10, HDR10+, Dolby Vision and HLG pass-through
- LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD pass through
- Transmission distance up to 328 feet /100 meters via a single CAT 6A/7 cable
- eARC/ARC function
- SPDIF audio reverse transmission
- Bi-directional IR, RS-232 and 1G Ethernet signal pass through
- USB2.0 transmission
- Bi-directional 24V PoC function

Technical Specifications

HDMI/HDCP Compliance	HDMI 2.0b/HDCP 2.2
Video Bandwidth & Resolution	18Gbps up to 4K60 4:4:4
HDBaseT Bandwidth	16Gbps on main and 2Gbps on return link
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Color Space and Depth	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0 (8/10/12-bit)
Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
L/R Audio Formats	PCM 2.0
SPDIF Audio Formats	LPCM2.0, AC3 5.1, DTS 5.1
IR Level	12Vp-p
IR Bandwidth	20K - 60KHz
USB Bandwidth	Up to 350Mbps
Ethernet	1000Mbps
RS-232	Up to 921600bps
Transmission Distance	100m (via a single CAT 6A/7 cable)
ESD Protection	Human body model — ±8kV (Air-gap discharge) & ±4kV (Contact discharge)

Connection Specifications

Transmitter	<p>Input: 1 x HDMI IN [Type A, 19-pin female] Output: 1 x HDMI OUT [Type A, 19-pin female]</p> <p>1 x HDBT OUT [RJ45, 8-pin female] 1 x SPDIF OUT [S/PDIF]</p> <p>1 x L/R OUT [3.5mm Stereo Mini-jack] Control: 1 x IR IN [3.5mm Stereo Mini-jack]</p> <p>1 x IR OUT [3.5mm Stereo Mini-jack]</p> <p>1x RS-232 [3pin-3.81mm Phoenix jack] 1 x SERVICE [Mini-USB, Update port] 1 x USB HOST [USB Type B]</p> <p>2x USB DEVICES [USB Type A]</p> <p>1 x LAN [RJ45]</p>
Receiver	<p>Input: 1 x HDBT IN [RJ45, 8-pin female] 1 x SPDIF IN [S/PDIF]</p> <p>Output: 1 x HDMI OUT [Type A, 19-pin female] 1 x L/R OUT [3.5mm Stereo Mini-jack]</p> <p>Control: 1 x IR IN [3.5mm Stereo Mini-jack]</p> <p>1 x IR OUT [3.5mm Stereo Mini-jack]</p> <p>1x RS-232 [3pin-3.81mm Phoenix jack] 1 x SERVICE [Mini-USB, Update port] 1 x USB HOST [USB Type B]</p> <p>2x USB DEVICES [USB Type A]</p> <p>1 x LAN [RJ45]</p>

Mechanical Specifications

Housing	Metal Enclosure
Color	Black
Dimensions	Transmitter / Receiver: 170mm [W] x 102mm [D] x 22mm [H]
Weight	Transmitter: 425g, Receiver: 437g
Power Supply	Input: AC 100 - 240V 50/60Hz Output: DC 24V/1A (US/EU standard, CE/FCC/UL certified)
Power Consumption	15.36W (POC)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)