

Data Sheet

iMX3-TG-DA8-4KH-HDBT100M

Vistrol iMX3 Tiga Series HDMI 4K60 (4:4:4) 1:8 HDBT 100M Splitter

The iMX3-TG-DA8-4KH-HDBT100M 18Gbps HDMI 1x8 HDBT Splitter can distribute 1 source signal to any 8 display devices. The HDMI signal transmission distance can be extended up to 120 meters at the resolution of 4K2K@60Hz, 150 meters at 1080P@60Hz via a single CAT6/6a/7 cable. The product supports up to 7.1CH HD audio pass-through. Audio extract function and advanced EDID management are supported.



✓ Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@60Hz 4:4:4
- Support HDR, HDR10+, HLG and Dolby vision
- Support up to 7.1CH HD audio pass-through
- Support digital and analog audio de-embedded output
- Extend the signal transmission distance up to 120 meters at the resolution of 4K2K@60Hz, 150 meters at 1080P@60Hz via a single CAT6/6a/7 cable
- Support 1 HDMI input, 1 HDMI loop output and 8 HDBT outputs.
- IR, RS-232 routed to HDBT output
- Advanced EDID management
- Support one-way POC function (only from transmitter to receiver)
- Compact design for easy and flexible installation

✓ Technical Specifications

iMX3-TG-DA8-4KH-HDBT100M	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2/1.x
Video Bandwidth	594MHz/18Gbps
Video Resolution	Up to 4k2k@60Hz 4:4:4
Color Depth	8-bit,10-bit,12-bit(1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4) 8-bit,10-bit,12-bit (4K2K@60Hz YCbCr 4:2:2/4:2:0)
Color Space	RGB 4:4:4, YCbCr 4:4:4 / 4:2:2 / 4:2:0
HDR	Support HDR, HDR10+, HLG, Dolby vision
HDMI Audio Formats	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus (DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
Coaxial Audio Formats	PCM2.0, Dolby Digital / Plus, DTS 2.0/5.1
Analog Audio Formats	PCM 2.0CH
ESD Protection	Human body model—±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Input	1 x HDMI Type A (19-pin female)

Output	1 x HDMI Type A (19-pin female), 8x HDBT OUT (RJ45) 1 x Coaxial Audio OUT [RCA], 1x L/R Audio OUT (5-pin phoenix connector)
Control	1 x RS-232 (3-pin phoenix connector), 1 x EDID DIP switch (5-pin) 1 x IR IN (3.5mm Stereo Mini-jack), 1 x IR OUT (3.5mm Stereo Mini-jack)
Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions (WxDxH)	Transmitter: 440mm (W) x 130mm (D) x 44mm (H) Receiver: 140mm (W) x 65mm (D) x 18mm (H)
Weight	Transmitter: 1.62kg, Receiver: 246g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 24V/2.7A (US/EU standards, CE/FCC/UL certified)
Power Consumption	72W
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

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