

CR-uCAT5 DWT

Wall Plate 4K HDBaseT transmitter



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Product overview

CREATOR CR-uCAT5 DWT features US 2-gang decora form and can be installed on wall and on floor. It consists of one HDMI and one VGA inputs with a 3.5mm audio connector and extends 4K@60 4:2:0 video, along with power, RS232 and IR up to 70m over a single Cat 6a/7 cable to HDBaseT receiver.

CR-uCAT5 DWT offers ideal solutions for homes, offices, digital entertainment centers, control centers, conference rooms, schools and corporate training environments, where require the signal switching between VGA and HDMI sources and transmission over long distances.

Features

- Two inputs switching between HDMI and VGA to an HDBT output
- HDMI and VGA inputs AV switching transmitter.
- Supports automatic switching.
- HDMI input up to 4K@60Hz (YUV 4:2:0) and HDCP 2.2, VGA input up to 1920x1200@60Hz.
- Transmits 4K@60Hz (YUV 4:2:0) and 1080P@60Hz signal up to 100m/330ft via a Cat 6a/7 cable.
- Transmits 4K@60Hz (YUV 4:2:0) signal up to 70m/230ft and 1080P@60Hz signal up to 100m/330ft via a Cat 5e/6 cable.
- Supports RS232 and IR pass-through over HDBaseT.
- Supports one-way PoC function, the transmitter can be powered by the receiver with same PoC module.
- Can be powered by local DC 12V power supply and share power with near device via the 2-pin phoenix power out connector.
- Independent DIP switch provided for VGA EDID management.
- HDMI input EDID is copied from HDBaseT receiver.
- Supports firmware update.

Specifications

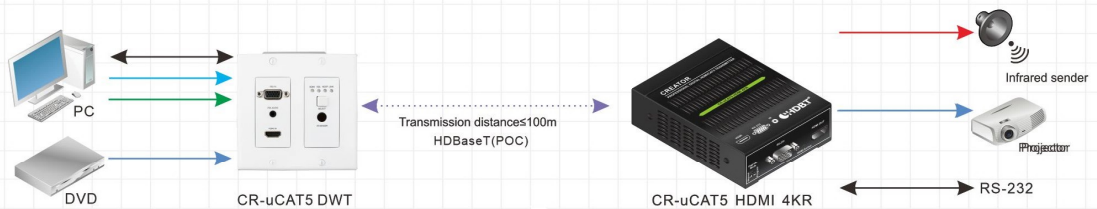
The parameter name	CR-uCAT5 DWT
Input Video Signal	VGA; HDMI (4K@60Hz YUV 4:2:0, HDCP 2.2)
Interface	1 x VGA IN, 1 x VGAAUDIO, 1 x HDMI IN, 1 x UPDATE, 1 x HDBT OUT, 1 x POWER IN (2 Pins, 3.5mm Phoenix Connector), 1 x POWER OFF (2 Pins, 3.5mm Phoenix Connector), 1 x RS232 (3 Pins, 3.5mm Phoenix Connector), 1 x IR OUT (2 Pins, 3.5mm Phoenix Connector)
Input Resolutions	<p>VGA: Up to 1920x1200⁸</p> <p>HDMI: YESA: 800x600⁸, 1024x768⁸, 1280x768⁸, 1280x800⁸, 1280x960⁸, 1280x1024⁸, 1360x768⁸, 1366x768⁸, 1440x900⁸, 1600x900⁸, 1600x1200⁸, 1680x1050⁸, 1920x1200⁸, 2560x1440⁸, 2560x1600⁸</p> <p>SMPT E: 1280x720P⁸, 1920x1080i^{8,8}, 1920x1080P⁸, 3840x2160^{2,3,5,8}, 4096x2160^{2,3,5,8}</p> <p>1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz Note: 4096x2160/3840x2160@50Hz/60Hz is based on chroma sub-sampling 4:2:0 8bit only.</p>
Output Video Signal	HDBaseT 1.0
Input Resolutions	<p>800x600⁸, 1024x768⁸, 1280x720P⁸, 1280x768⁸, 1280x800⁸, 1280x960⁸, 1280x1024⁸, 1360x768⁸, 1366x768⁸, 1440x900⁸, 1600x900⁸, 1600x1200⁸, 1680x1050⁸, 1920x1080P⁸, 1920x1200⁸, 2560x1440⁸, 2560x1600⁸, 3840x2160^{2,3,5,8}, 4096x2160^{2,3,5,8}</p> <p>1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = at 29.97 Hz, 5 = at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = 60 Hz Note: 4096x2160/3840x2160@50Hz/60Hz is based on chroma sub-sampling 4:2:0 8-bit only.</p>

Specifications

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Audio Format	HDMI: Supports multi-channel audio formats, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio and DTS:X VGA Audio: Stereo
Maximum Data Rate	10.2Gbps
Control Method	Automatic switching, front panel button
Operating/storage Temperature	0°C to 45°C (32°F to 113°F), -20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	±8kV(Air-gap discharge)/ ±4kV(Contact discharge)
Power Consumption (Max)	3.9W, transmitter powers receiver
Power Supply	PoC, powered by receiver, or local power supply through the 12V phoenix connector
Device Dimension (W x H x D)	89mm x 38.4mm x 105.6mm/3.5" x 1.51" x 4.16"
Product Weight	0.3kg/0.66lb

Cable Type	Range	Supported Video
CAT5e / CAT6	100m	1080P@60Hz 36 bpp
	70m	4K@30Hz 4:4:4, 24bpp 4K@60Hz 4:2:0, 24bpp
CAT6a / CAT7	70m	

Diagram



■ LAN
 ■ AUDIO
 ■ HDMI
 ■ VGA
 ■ RS-232
 ■ IR 2