

CR-uCAT5 COMP 300T

H-CAT series COMPONENT/CAT5 transmitter



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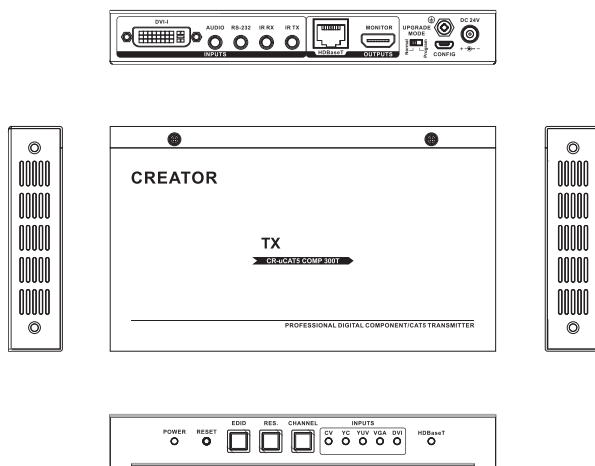
Product overview

It can transmit high definition 1080p video is up to 100 meters. It can also transmit bi-directional RS-232, bi-directional IR signals at the same time. There is a HDMI monitoring output at the transmitter end, which can be used for extension and video monitoring.

Features

- Support CV, Y/C, YPbPr, VGA, DVI, and HDMI signals input.
- Support outside analog audio embedded into the video signal for simultaneous transmission.
- Support resolution switching function; support up-scale to 1080p@60Hz.
- Support built-in bi-directional IR and RS-232 transmission.
- Support video, audio, IR, RS-232 simultaneous transmission. The transmission distance can be up to 100 meters with Cat5e/6 shielding cable.
- Support firmware upgrade via RS-232.
- Support PoE function.

Specifications



Size (mm):
180(L)×105(W)×25(H)

| The parameter name | | CR-uCAT5 COMP 300T |
|--------------------|--------------------|---|
| CV video input | Interface type | DVI-I male socket to RCA female (Certified cable) |
| | Format | NTSC, PAL, SECAM |
| | Signal type | Composite Video (CVBS) |
| | Signal strength | 1Vpp Composite Video (CVBS) |
| | Min/Max Level | -2V/+2V |
| | Impedance | 75Ω |
| Y/C video input | Interface type | DVI-I male socket to RCA female interface(Certified cable) |
| | Signal type | Y/C video |
| | Signal Strength | 1Vpp: (Component Video's Y) |
| | Min/Max level | -2V/+2V |
| YUV video input | Interface type | DVI-I male socket to RCA female interface(Certified cable) |
| | Signal type | Component Video(YPbPr/YCbCr) |
| | Signal Strength | 1Vpp: (Component Video's Y); 0.3Vpp: (Component Video's PbPr/CbCr) |
| | Min/Max level | -2V/+2V |
| VGA video input | Interface type | DVI-I male socket to DB15 female socket |
| | Signal type | RGBHV |
| | Signal strength | 0.63V p-p to 0.9 V p-p RGB signal |
| | Min/Max level | -2V/+2V |
| Audio signal | Impedance | 75Ω |
| | Audio output | 1 way analog stereo output; 3.5mm earphone socket |
| | Frequency response | 20Hz-20KHz |
| | Audio input level | 2Vrms (Max) |

Specifications

| The parameter name | | CR-uCAT5 COMP 300T |
|---------------------|-------------------------------------|---|
| H-CAT output | Interface type | High speed RJ45 |
| | Transmission distance | 100 meters with Cat5e/6 shielding cable |
| HD video input | Interface | 1 DVI-I female interface |
| | Supported Protocols | HDMI1.3a, HDCP1.3, DVI1.0 |
| | Gain | 0 dB |
| | Pixel bandwidth | 165MHz , full digital |
| | Interface bandwidth | 2.25Gbps full digital (total 6.75Gbps, each color 2.25Gbps) |
| | Maximally supported resolution | HDPC:1920*1200@60Hz HDTV:1920*1080@60Hz |
| | Min/Max level | T.M.D.S. 2.9V/3.3V |
| | Impedance | 50Ω |
| | Recommended maximum output distance | Maximum 7 meters for 1920*1080p@60Hz (certified special purpose cables are recommended, such as Molex TM cable) |
| Serial port control | Serial port control interface | 3P female phoenix socket |
| | Baud rate | 110-115200bps |
| IR control | IR Control | IR (3.5mm earphone socket) |
| | IR frequency | 38KHz |
| POE (PSE/PD) | Supported protocols | Support IEEE 802.3at standard |
| | Transmission Voltage | 48V |
| | Maximum transmission power | 13W |
| Specifications | Power supply | DC 24V |
| | Maximum power consumption | 9W(without POE) |

System connection diagram

