

# CR-uCAT5 DET

## Twisted pair transmitter



CR-uCAT5 DET

### Product overview

CR-uCAT5 DET 4K twisted pair transmitter is a new generation of CAT5 audio, video, control and other integrated signal 4K twisted pair transmitter upgraded on the basis of the previous generation digital transmitter products. Compared with the previous generation, it adds a Type-C input interface. Using advanced H-CAT technology, based on a single CAT5e/6 shielded network cable transmission medium, the maximum transmission distance can reach 100M, and the maximum resolution can reach 4K x 2K.

CR-uCAT5 DET 4K twisted pair transmitter is widely used in network flat panel displays and large screen wall display, advertising engineering, industrial automation control, medical equipment, security monitoring, multimedia teaching and other fields.

### Features

- Support Type-C USB3.1 4K video input;
- Support HDMI1.4, compatible with HDCP, DVI1.0;
- Support 4K HDMI with digital audio input;
- Support IR, RS232 bidirectional transmission;
- Supports two installation methods: table-mounted and wall-mounted;
- The maximum transmission distance of CAT5e/6 shielded network cable reaches 100M.

### Specifications

The parameter name		CR-uCAT5 DET
HDMI video input	Protocol	HDMI1.4, HDCP1.3, EDID1.4
	Bandwidth	Pixel bandwidth 300MHz, full digital
	Interface bandwidth	Exceed 9Gb/s
	Maximum supported resolution	Normal PC: 4K x 2K HDCP: 4K x 2K HDTV: 4K x 2K
	Video cable maximum input distance	Less than 7 meters, at 4K x 2K (recommended to use certified HDMI dedicated cable, such as Molex TM cable)
	Signal type	T.M.D.S. Full digital signal
	Interface	HDMI-A port
	Signal strength	T.M.D.S. +/- 0.4Vpp

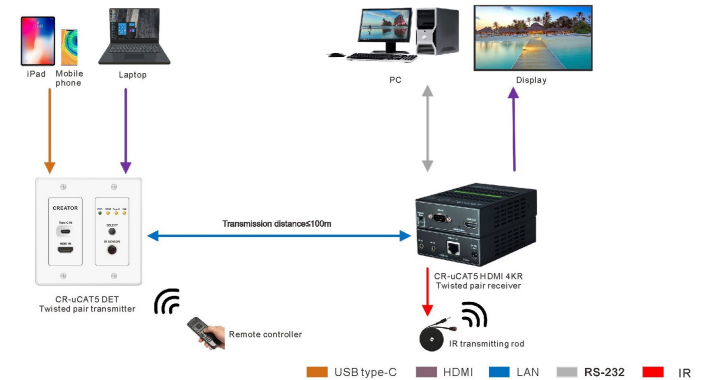
### Specifications

The parameter name		CR-uCAT5 DET
Type-C Video Input	Support agreement	Type C USB3.1, PD2.0, Type-C 1.2
	Maximum support resolution	4K x 2K
General	Operating Temperature	0°C to 45°C (32°F to 113°F)
	Storage Temperature	-20°C to 70°C (-4°F to 158°F)
	Humidity	10% to 90%, non-condensing
	Serial port control	RS232 (3P Phoenix) 110-115200bps
	Power Consumption (Max)	3W
	Device Dimension (L x W x H)	With cover: 105mm x 105mm x 33.5mm
	Product Weight	0.28kg
	Power Supply	DC 12V/1.5A

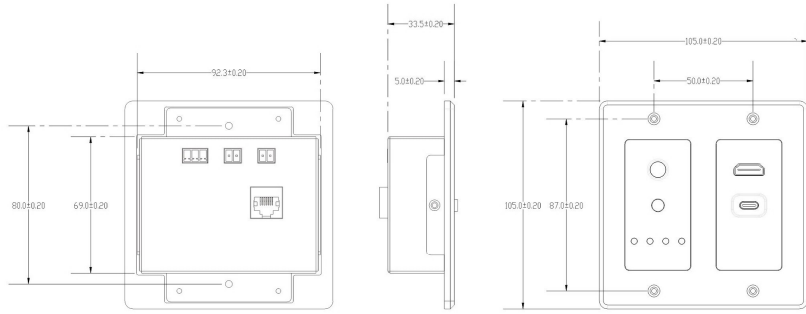
  

Cable Type	Range	Supported Video
CAT5e / CAT6	100m	1080P@60Hz 36 bpp
	70m	1080P@60Hz 48 bpp 1080P@60Hz 3D 3840 x 2160@30Hz 4:4:4 3840x2160@60Hz 4:2:0
CAT6a / CAT7	100m	

### Diagram



**Product size(mm)**



**Preset box size(mm)**

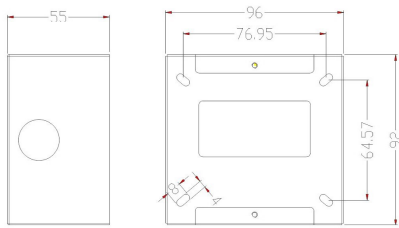


Table opening size: 93\*70mm  
 Wall opening size: 96\*92\*55mm. need a preset box

**Wall mounted installation method**

