

Specifications

Model	LTT201A LTT201C	LTT301T LTT301R	LTT351T LTT351R	LTT302T LTT302R	LTT401T LTT401R	LTT1610R
Spec.	1ch (passive)	1ch (active)	1ch (active)	1ch video&audio; 2ch data/power (active)	4ch video(active)	16ch video (active)
Video	Frequency response: DC-6MHz Common-mode/differential-mode rejection: 15HKz-6MHz 60dB typ.					
Audio	14dB					
Wire type	Spec: 24AWG UTP CAT5 Impedance: 100 Ω \pm 20% DC loop resistance: 18 Ω /100M Differential Capacitance: 62pF/M(Max)					
Power	DC 12V < 80mA					
Surge	6000V 1.2 μ S \times 50 μ S					
Suppression						
Dimensions	55 \times 25 \times 25cm	90 \times 60 \times 28cm	76 \times 38 \times 37cm	90 \times 60 \times 28cm	180 \times 70 \times 25cm	430 \times 160 \times 44cm
Weight	50g	130g	41g	130g	400g	2000g
Impedance	BNC coax: 75 Ω UTP/Connector: 100 Ω or RJ-45 100 Ω					
Control	Receiver: 4 range distance at option; adjustable brightness&sharpness Transmitter: adjustable gain					
Environment	Temperature: 0 ~ +50 $^{\circ}$ C Humidity: 0 ~ 95 %					

Frequently Asked Question

1) What kind of wire do I need to use with LLT devices?

We recommend to use Unshielded Twisted Pair, Category 2 or better, 16-24AWG, stranded or solid. Using a multi-pair wire (six pairs or more) with an overall shield is OK. STP(Shield Twisted Pair) may degrade the transmission distance due to interference susceptibility. When you need to prolong UTP, you can use special UY box or jointing to make connection. Video can be sent through a dozen of these connections without significant degradation.

2) Can I use RJ11 wire with LLT?

It is feasible. It can cut the wire cost but will disturb image signal and degrade transmission distance and performance.

3) Can I use CAT 6 wire with LLT?

Yes. CAT 6 wire is better interference rejection than CAT 5.

4) Can I bind UTP with other kinds of wire when installation?

UTP can bind with RJ11 wire, internet wire(CAT5) and coaxial cable, but the power line easily arise interference.

5) Can I utilize existing internet wire(CAT5) to transmit image signal?

You can transmit image signal through on of unused a pair of twisted-pair. Generally, a PC uses the first and the second twisted-pair to link to internet. Thus you can utilize the third and the fourth unused twisted-pair to transmit image signal, but these twisted-pairs should not pass through HUB.

6) Can I transmit more than multi-channels of video signal in a multi-pair wire bundle?

Yes. LLT transceivers can transmit 4ch video signal in the same wire bundle without any interference. LLT transceivers can transmit 1ch video signal, 1ch audio signal, RS-422 ,RS-485 and others control signal in the same wire bundle as well.