

ACTIVE VIDEO BALUN RV-352T/R

Overview

The Active Video CCTV Balun could provide extended distance between the CCTV camera and the DVR or multiplexer via copper twisted pair cable. The Active Balun features Automatic Image Adjustment for picture brightness, sharpness and contrast, thereby helping to reduce on-site service calls. The Active Balun supports up to 1000m via Category 5 twisted pair cable when used in conjunction with RULE's passive CCTV Baluns (such as RV-P02 etc.), up to 2,2 km via Category 5 twisted pair cable when used in both of Active Balun(such as RV-A16R etc.)



Features

PAL, NTSC, SECOM All-systems compatible;

1CH Active Video Transceiver

Up to 2200 meters via Category 5 unshielded twisted-pair cable

Specifications

Environment	Close-Circuit TV (CCTV) equipment for security and surveillance.
Devices	CCTV cameras, DVR, Monitor, Switchers and other CCTV equipments
Input Level	1.5Vp-p/ 100Ω Max, Balanced
Normal Output Level	1Vp-p/ 75Ω, Unbalanced
Bandwidth	Video: DC to 6 MHz.
Common Mode Rejection Ratio	15KHz-5MHz: Typical 60dB
Differential Gain	<2%
Differential Phase	<2°
Weighted Signal-noise-ratio	60dB
Insertion Loss	Determined by Automatic Gain Control
Max. Distance	Cat 5 UTP: NTSC: 2200m; PAL: 2000m
Image Adjustment	Automatic Gain Control for Sharpness and Luminosity
LED Indicator	Green Led for Video Signal: Red Led for Power status
Connectors	Two (2) screw terminals for twisted pair
Power Supply	DC12V
Temperature	Operating: -25° to 70° C. Storage:-25° to 85° C. Humidity: up to 95%
Enclosure	ABS fire retardant plastic
Weight	50g
Dimensions	Length 755mm * Width 34mm * Height 25mm
Warranty	1 year

DIP Switches Settings

Status	Transmission Distance		Status	Transmission Distance	
	Passive-Active	Active-Active		Passive-Active	Active-Active
☐☐☐☐☐	100m	100m	☐☐☐☐☐	300m	900m
☐☐☐☐☐	100m	200m	☐☐☐☐☐	400m	1000m
☐☐☐☐☐	100m	300m	☐☐☐☐☐	500m	1200m
☐☐☐☐☐	100m	400m	☐☐☐☐☐	600m	1400m
☐☐☐☐☐	100m	500m	☐☐☐☐☐	700m	1600m
☐☐☐☐☐	100m	600m	☐☐☐☐☐	800m	1800m
☐☐☐☐☐	100m	700m	☐☐☐☐☐	900m	2000m
☐☐☐☐☐	200m	800m	☐☐☐☐☐	1000m	2200m

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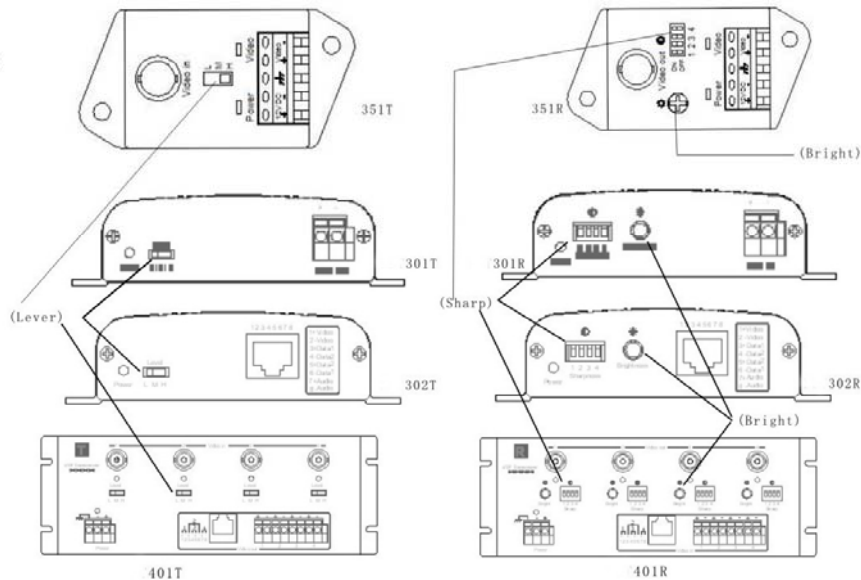
Post Code: 200125

Note: All above shows the theoretic best settings for different distances. But based on actual cabling conditions, the settings are not exact for all occasions. Sometimes users should to set the switches on neighboring position to get better pictures. In case of more than 1200 meters, users could try different combined settings.

HOW TO SET GAIN

3 kinds of image gain setting according to different distance

- LMH 0-4500ft
- LMH 4500-6000ft
- LMH >6000ft



Note

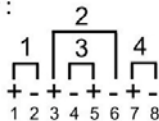
- (1) Lever — gain setting switch on active transmitter (301T / 302T/ 401T), which has three modes as L, M, H. It can be adjusted according to distance and can change signal intensity.
- (2) Sharp — image compensation switch on active receiver (301R/ 302R/ 401R/ 16R), which has 16 kinds of setting methods according to different distance. It can efficiently improve image definition.
- (3) Bright — brightness adjusting pot on active receiver, which can respectively adjust video signal intensity of every channel.

You should do nothing but set and adjust Lever, Sharp and Bright seriously, so you can achieve the best image effect.

Your initial setting can refer to the chart in P10.

※ Pay attention to the jack connection of 301T, 301R, 351T, 351R.
Make sure of the right connection according to the remark on the unit

The jack connection of 302T, 302R, 401T, 401R, 16R
like below:



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