

TP R BNC AV

TP - Twisted Pair Receiver for RGBHV, Composite Video, and Audio



FEATURES

- **Input:** Two female RJ-45 connectors
- **Outputs:** Computer-video on female BNCs, PC audio on female RCA connectors and captive screw connector; composite video on female BNC and audio on female RCA connectors and captive screw connector
- Supports RGBHV, RGBS, RGB, component video, S-video, and composite video
- Receives signals 1,000 feet (300 meters) or more over Category 5, 5e, or 6 UTP cable
- Four stereo audio outputs, balanced/unbalanced
- Automatic and manual level and peaking adjustments
- Choice of output sync format, DIP switch selectable
- Rack, through-desk, under-desk, and projector-mountable
- **Internal international power supply** — The 100-240 VAC, 50/60 Hz, universal power supply provides worldwide power compatibility.

DESCRIPTION

The Extron **TP R BNC AV** RGB receiver accepts long distance transmissions of analog computer-video with PC audio and NTSC, PAL, and SECAM composite video with stereo audio on any CAT 5, 5e, or 6 twisted pair cable or with Extron Enhanced Skew-Free™ A/V UTP cable.

The TP R BNC AV is compatible with nearly every computer and video signal type, including VGA-UXGA, component video, S-video, and composite NTSC, PAL, and SECAM video, as well as stereo audio signals. Special image enhancement features, such as automatic and manual level and peaking adjustments, give the TP R BNC AV the ability to compensate for cable length and to improve the brightness and sharpness of both the computer-video image and the composite video image.

Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum / Maximum levels...	0.3 V to 1.45 Vp-p
Impedance	75 ohms

AUDIO

Number / Signal type	2 sets of analog proprietary signals
Connectors	2 shielded RJ-45 female
Frequency response	20 Hz to 20 kHz, >±0.05 dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at maximum output (unweighted)
S/N	>63 dB at nominal level
Crosstalk	<-80 dB @ 1 kHz, fully loaded
Stereo channel separation	>80 dB @ 1 kHz
CMRR	>33 dB @ 20 Hz to 20 kHz

AUDIO INPUT REFER TO THE TP TRANSMITTERS FAMILY MANUAL, PART #68-546-02

AUDIO OUTPUT

Number / Signal type	2 stereo audio balanced/unbalanced, and 2 stereo audio unbalanced
Connectors	2 female RCA (left/right) per input (1) 3.5 mm, 5-pole captive screw connector per input
Impedance	50 ohms unbalanced, 100 ohms balanced
Maximum level (600 ohm)	>+11.5 dBm, balanced at 1%THD+N

GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 40 watts, internal
Rack mount	Yes, with optional 1U rack shelf, part #60-190-01. Also, projector mountable with optional mounting kit, part #70-077-04 or furniture mountable with optional mounting brackets #70-077-01, 70-077-02.
Enclosure type	Metal
Enclosure dimensions	1.7" H x 8.75" W x 7.0" D (1U high, half rack wide) 4.3 cm H x 22.2 cm W x 17.8 cm D (Depth excludes connectors.)
Product / Shipping weight	2.6 lbs (1.2 kg) / 5 lbs (3 kg)

SPECIFICATIONS

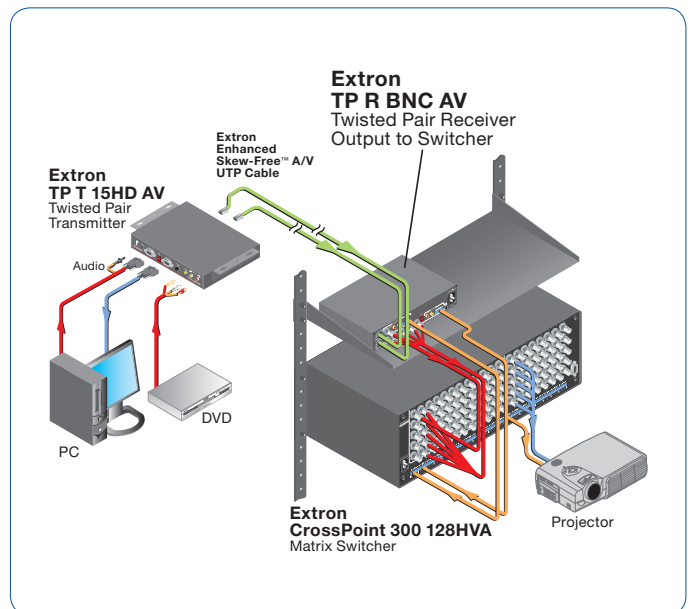
VIDEO

Number / Signal type	2 sets of proprietary analog signals
Connectors	2 shielded RJ-45 female

VIDEO INPUT REFER TO THE TP TRANSMITTERS FAMILY MANUAL, PART #68-546-02

VIDEO OUTPUT

Number / Signal type	1 analog RGBHV, RGBS, RGB, component video, or S-video; or 1 S-video and 1 NTSC/PAL/SECAM composite video from a single source; or 3 NTSC/PAL/SECAM composite video from a single source and 1 NTSC/PAL/SECAM composite video
Connectors	6 BNC female



MODEL

TP R BNC AV	RGBHV/Composite/Audio Receiver	60-350-03
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COMPATIBLE TRANSMITTERS

MODEL DESCRIPTION	PAGE	PART #	
TP T 15HD A	TP - Twisted Pair Transmitter for RGBHV and Audio	page 97	60-345-02
TP T 15HD AV	TP - Twisted Pair Transmitter for RGBHV, Composite Video, and Audio	page 100	60-346-03
TP T 15HD 45	TP - Twisted Pair Transmitter for RGBHV - 45 mm Mount Version	page 98	60-654-01
TP T A 45	TP - Twisted Pair Transmitter for Stereo Audio - 45 mm Mount Version	page 98	70-368-01

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