

# Specifications — TP Series Receivers

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## Video

Number/signal type.....	1 or 2 sets of proprietary analog signals
Connectors .....	1 or 2 shielded RJ-45 female

## Video input— refer to the TP Transmitters Family User’s Manual, part #68-546-02

### Video output

Number/signal type	
TP R BNC A.....	1 analog RGBHV, RGBS, RGsB, component video, or S-video; or 1 S-video and 1 NTSC/PAL/SECAM composite video from a single source; or 3 NTSC/PAL composite video from a single source
TP R BNC AV .....	1 analog RGBHV, RGBS, RGsB, 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
TP R 15HD A.....	1 analog RGBHV, RGBS, RGsB, component video, or S-video; or 1 S-video and 1 NTSC/PAL/SECAM composite video from a single source; or 3 NTSC/PAL composite video from a single source
Connectors	
TP R BNC A.....	5 BNC female
TP R BNC AV .....	6 BNC female
TP R 15HD A.....	(1) 15-pin HD female
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
Maximum resolution .....	1600x1200

**NOTE** Refer to the user’s manual for the maximum distances recommended for specific resolutions.

## Audio

Number/signal type.....	1 or 2 sets of analog proprietary signals
Connectors .....	1 or 2 shielded RJ-45 female
Frequency response .....	20 Hz to 20 kHz, $>\pm 0.05$ 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 User’s Manual, part #68-546-02

**NOTE**  $0\text{ dBu} = 0.775\text{ Vrms}$ ,  $0\text{ dBV} = 1\text{ Vrms}$ ,  $0\text{ dBV} \approx 2\text{ dBu}$

### Audio output

Number/signal type	
TP R BNC A.....	1 stereo audio balanced/unbalanced, and 1 stereo audio unbalanced
TP R 15HD A.....	1 stereo audio balanced/unbalanced
TP R BNC AV .....	2 stereo audio balanced/unbalanced, and 2 stereo audio unbalanced

## Specifications — TP Series Receivers, cont'd

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### Connectors

TP R 15HD A.....	(1) 3.5 mm, 5-pole captive screw connector per input
All other models.....	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
Gain error.....	±0.1 dB channel to channel
Maximum level (600 ohm).....	>+11.5 dBm, balanced at 1%THD+N

### General

Recommended cable type.....	Enhanced Skew-Free™ A/V UTP Cable or CAT 5/5E/6 (shielded or unshielded)
Power	
TP R BNC AV .....	100 VAC to 240 VAC, 50/60 Hz, 40 watts, internal
External power supply	
All models except TP R BNC AV	100 VAC to 240 VAC, 50/60 Hz, external; to 15 VDC, 0.8 A, regulated
Power input requirements	
TP R BNC A.....	15 VDC, 0.3 A (minimum)
TP R 15HD A.....	15 VDC, 0.34 A (maximum)
Temperature/humidity.....	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, noncondensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, noncondensing
Cooling .....	Convection, no vents
Mounting	
Rack mount	
TP R 15HD A.....	Yes, with optional 1U, 9.5" deep rack shelf, part #60-190-01 (RSU 129) or #60-604-01 (RSB 129); or 1U, 3.5" deep VersaTools® rack shelf, part #60-190-20 (RSF 123) or #60-604-20 (RSB 123); and rack shelf mounting kit, part #70
TP R BNC A, TP R BNC AV	Yes, with optional 1U, 9.5" deep rack shelf, part #60-190-01 (RSU 129) or #60-604-01 (RSB 129)
Pole mount	
TP R BNC A, TP R BNC AV	Yes, with optional mounting kit, part #70-077-04 (PMK 200)
Enclosure type .....	Metal
Enclosure dimensions	
TP R BNC A.....	1.3" H x 8.75" W x 7.0" D (<1U high, half rack wide) (3.3 cm H x 22.2 cm W x 17.8 cm D) (Depth excludes connectors.)
TP R BNC AV .....	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.)
TP R 15HD A.....	1.6" H x 4.25" W x 3.0" D (1U high, quarter rack wide) (4.1 cm H x 10.8 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight	
TP R BNC A.....	1.6 lbs (0.7 kg)
TP R BNC AV .....	2.6 lbs (1.2 kg)
TP R 15HD A.....	0.4 lbs (0.2 kg)
Shipping weight	
TP R BNC A.....	4 lbs (2 kg)
TP R BNC AV .....	5 lbs (3 kg)
TP R 15HD A.....	2 lbs (1 kg)

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Vibration.....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety.....	CE, CUL, UL
EMI/EMC .....	CE, C-tick, FCC Class A, ICES, VCCI
MTBF.....	30,000 hours
Warranty.....	3 years parts and labor

**NOTE** *All nominal levels are at  $\pm 10\%$ .*

**NOTE** *Specifications are subject to change without notice.*

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