

Specifications — TP Series Receivers

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
TP R AV 1 NTSC/PAL/SECAM composite video

Connectors
TP R BNC A 5 BNC female
TP R BNC AV 6 BNC female
TP R 15HD A (1) 15-pin HD female
TP R AV 1 BNC 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

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, >±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 $0\text{ dBu} = 0.775\text{ V}_{\text{rms}}$, $0\text{ dBV} = 1\text{ V}_{\text{rms}}$, $0\text{ dBV} \approx 2\text{ dBu}$

Audio output

Number/signal type
TP R BNC A, TP R AV 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

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

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, TP R AV	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, unvented
Rack mount	
TP R AV	No, but projector mountable with optional mounting kit #70-077-04 (PMK 200) Furniture mountable with optional mounting brackets, part #70-077-01 (MBU 125) or #70-077-02 (MBD 129).
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 #70-123-01 (RSM 100). Back of the rack-mountable with VersaTools Back of Rack Mounting Kit, part #70-367-01 (MBB 100) Furniture mountable with optional mounting brackets, part #70-077-01 (MBU 125) or #70-077-02 (MBD 129)
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). Also, projector mountable with optional mounting kit, part #70-077-04 (PMK 200) Furniture mountable with optional mounting brackets #70-077-01 (MBU 125) or #70-077-02 (MBD 129).
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.)
TP R AV	1.25" H x 4.75" W x 7.0" D 3.2 cm H x 12.1 cm W x 17.8 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)
TP R AV	0.9 lbs (0.4 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)
TP R AV	3 lbs (2 kg)

Vibration ISTA 1A in carton (International Safe Transit Association)

Listings UL, CUL

Compliances CE, FCC Class A

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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