

# 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<br>1 S-video and 1 NTSC/PAL/SECAM composite video from a single source;<br>or<br>3 NTSC/PAL composite video from a single source   |
| TP R BNC AV .....           | 1 analog RGBHV, RGBS, RGsB, component video, or S-video; or<br>1 S-video and 1 NTSC/PAL/SECAM composite video from a single source;<br>or<br>3 NTSC/PAL/SECAM composite video from a single source<br>and 1 NTSC/PAL/SECAM composite video |
| TP R 15HD A.....            | 1 analog RGBHV, RGBS, RGsB, component video, or S-video; or<br>1 S-video and 1 NTSC/PAL/SECAM composite video from a single source;<br>or<br>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<br>0.7 Vp-p for RGB and for R-Y and B-Y of component video<br>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, >±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 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 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

### 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<br>(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<br>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)<br>(3.3 cm H x 22.2 cm W x 17.8 cm D)<br>(Depth excludes connectors.)  |
| TP R BNC AV .....             | 1.7" H x 8.75" W x 7.0" D (1U high, half rack wide)<br>4.3 cm H x 22.2 cm W x 17.8 cm D<br>(Depth excludes connectors.)   |
| TP R 15HD A.....              | 1.6" H x 4.25" W x 3.0" D (1U high, quarter rack wide)<br>(4.1 cm H x 10.8 cm W x 7.6 cm D)<br>(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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