

# Specifications — MTP U R Series Receivers

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## Video

Gain..... Unity

## Video input

Number/signal type..... 1 set of proprietary analog signals

Connectors ..... 1 female RJ-45

## Video output

Number/signal type..... 1 RGBHV, RGBS, component video (bi-level and tri-level), S-video, composite video (follows input type)

### Connectors

MTP U R RSA SEQ..... 1 female 15-pin HD for RGB  
3 BNC female for Y, R-Y, B-Y  
(1) 4-pin mini DIN for S-video (Y/C)  
1 BNC female for composite video

All other models..... 1 female 15-pin HD for RGB or Y, R-Y, B-Y  
(1) 4-pin mini DIN for S-video (Y/C)  
1 BNC female for composite video

Nominal level ..... 1 V<sub>p-p</sub> for Y of component video and S-video, and for composite video  
0.7 V<sub>p-p</sub> for RGB and for R-Y and B-Y of component video  
0.3 V<sub>p-p</sub> for C of S-video

Minimum/maximum levels..... 0.8 V to 1.2 V<sub>p-p</sub>

Impedance ..... 75 ohms (during video output only)

Return loss..... <-30 dB @ 5 MHz (during video output only)

DC offset..... <±20 mV with input at 0 offset

Maximum resolution ..... 1920x1200

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

## Sync

Output type..... RGBHV, RGBS

Standards..... NTSC 3.58, NTSC 4.43, PAL, SECAM

Output level ..... 4.0 V to 5.0 V<sub>p-p</sub>, unterminated

Output impedance ..... 87 ohms (24 mA)

Polarity..... Positive or negative (selectable)

## Audio— MTP U R RSA SEQ, MTP U R A

Gain..... Unbalanced output: 0 dB; balanced output: +6 dB

Frequency response ..... 20 Hz to 20 kHz, ±1 dB (for DC coupling, with jumpers 4 and 5 installed)

THD + Noise ..... 0.15% @ 1 kHz, 0.3% @ 20 kHz at nominal level

S/N..... >70 dB at maximum output (unweighted)

## Audio input— MTP U R RSA SEQ, MTP U R A — See MTP Series transmitters' audio output specifications

Number/signal type..... 1 set of proprietary analog signals

Connectors ..... 1 female RJ-45

**NOTE** 0 dBu = 0.775 V<sub>rms</sub>, 0 dBV = 1 V<sub>rms</sub>, 0 dBV ≈ 2 dBu

## Audio output— MTP U R RSA SEQ, MTP U R A

Number/signal type..... 2 mono, balanced/unbalanced

Connectors ..... (1) 3.5 mm captive screw connector, 5 pole

Impedance..... 50 ohms unbalanced, 100 ohms balanced

Gain error ..... ±1 dB channel to channel

# Specifications — MTP U R Series Receivers, cont'd

## Control/remote — external device (pass-through, unidirectional or bidirectional) (MTP U R RSA SEQ, MTP U R RS SEQ, or MTP U R RS)

Serial control port input/output. RS-232 via (1) 3.5 mm, 3 pole captive screw connector

**NOTE** *The serial communications link of an MTP U R RSA SEQ, MTP U R RS SEQ, or MTP U R RS is unidirectional only, transmitter to receiver, unless the receiver's internal switch has been set.*

Baud rates..... Up to 38400 bps at up to 500' (152 m) (Higher data rates and distances are possible.  
Performance varies based on baud rate and cable length.)

Protocol..... Data bits = 5 - 8  
Stop bits = 1 or 2  
Parity = odd, even, none  
Flow control = XON, XOFF, none

**NOTE** *Protocol is mirrored between the transmitter and the receiver.*

Serial control pin configurations. Captive screw connectors: 1 = TX, 2 = RX, 3 = GND

## General

Recommended cable type..... CAT5/E/6 (shielded or unshielded)

External power supply ..... 100 VAC to 240 VAC, 50/60 Hz, external; to 12 VDC, 2 A, regulated

Power input requirements ..... 12 VDC, 0.5 A

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 ..... Yes, with optional 1U, 9.5" deep rack shelf, part #60-190-01 (RSU 129) or #60-604-01 (RSB 129); or VersaTools® 1U, 3.5" deep rack shelf, part #60-190-20 (RSF 123) or #60-604-20 (RSB 123)

Furniture mount ..... Yes, with optional Mini Under-Desk Mounting Kit, part #70-212-01 (MBU 123)

Pole mount ..... Yes, with optional projector mounting kit, part #70-217-01 (PMK 100)

Enclosure type ..... Metal

Enclosure dimensions..... 1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide)  
(4.3 cm H x 10.9 cm W x 7.6 cm D)  
(Depth excludes connectors.)

Product weight ..... 0.6 lbs (0.3 kg)

Shipping weight ..... 2 lbs (1 kg)

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

Listings..... UL, CUL

Compliances..... CE, FCC Class A, VCCI, AS/NZS, ICES

MTBF..... 30,000 hours

Warranty ..... 3 years parts and labor

**NOTE** *All nominal levels are at ±10%.*

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

7.6-100208-D7