

Specifications — MTP U R Series Receivers

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_{p-p} for Y of component video and S-video, and for composite video
0.7 V_{p-p} for RGB and for R-Y and B-Y of component video
0.3 V_{p-p} for C of S-video

Minimum/maximum levels..... 0.8 V to 1.2 V_{p-p}

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_{p-p}, 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_{rms}, 0 dBV = 1 V_{rms}, 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.*

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