The Extron MTP/HDMI U T A D is a Decora®-style, universal twisted pair transmitter for digital and analog video sources in a single product. It meets the needs of A/V presentation environments that must support a variety of digital and analog signals. Dedicated inputs are provided to accommodate digital and analog video, audio, and bidirectional RS-232 or IR signals. These signals are transmitted long distances over standard CAT 5-type cabling to remote receiver locations.
The Extron MTP/HDMI U T A D is a Decora-style, universal twisted pair transmitter for digital and analog video sources. It meets the needs of A/V presentation environments that must support a variety of digital and analog signals. Dedicated inputs are provided to accommodate HDMI, VGA, HD component video, S-video, composite video, audio, and bidirectional RS-232 or IR signals. These signals are transmitted long distances over standard CAT 5-type cabling to remote receiver locations. The MTP/HDMI U T A D supports HDMI and all common analog video formats, making it an ideal product for mixed format A/V integration. The Decora wallplate streamlines installation while complementing room decor.

**Digital Input**

This HDCP compliant twisted pair transmitter sends HDMI signals up to 150 feet over two standard CAT 5-type cables. In addition, it can accept and transmit stereo audio and RS-232 or IR signals. The HDMI input supports data rates up to 6.75 Gbps for HDMI 1.3 Deep Color, Lip Sync, and HD lossless audio, and is compatible with the HDMI 201 Series receivers, including the MTP/HDMI U R. It transmits HDMI signals using two CAT 5, CAT 5e, CAT 6, or Extron DTP26 cables.

RS-232 or IR signals from a third-party control system can also be transmitted over the same cabling as the HDMI signals, providing remote control of a projector or flat panel display. An LED indicator provides a quick means of verifying power and signal presence.

For convenient, streamlined system integration, the unit supports the transmission of balanced or unbalanced stereo audio signals, when a separate audio cable is installed between the transmitter and a standard HDMI 201 A D receiver.

**Analog Inputs**

The analog inputs offer dedicated VGA, HD component video, S-video, composite video, and audio inputs for sending a wide variety of video signals along with summed mono audio signals over a single CAT 5-type cable. To take full advantage of the transmitting capabilities of the MTP/HDMI U T A D, it is ideally paired with the Extron MTP/HDMI U R receiver or an Extron MTP universal receiver to provide dramatic cost savings, design flexibility, and superior performance in complex twisted pair switching and matrix switching applications.

With features including EDID emulation, auto-input switching, contact closure remote control for input selection, buffered local monitor output, and switchable video output pre-peaking, the MTP/HDMI U T A D offers flexible operation and full compatibility with the entire MTP Twisted Pair product line.

The MTP/HDMI U T A D provides two stereo audio inputs, one input on a 3.5 mm mini jack for the computer input, and one input on RCA for the video inputs. The auto-input switching feature automatically selects and transmits an active video and audio signal without user interaction.

The MTP/HDMI U T A D transmitter is designed for wall-mounting with the included Decora-style wallplate and a mud ring. It also comes with an external universal ENERGY STAR® qualified power supply for worldwide compatibility, low power consumption, and reduced operating costs. The MTP/HDMI U T A D is compatible with the MTP/HDMI U R universal receiver as well as with the HDMI 201 Series receivers and MTP Series twisted pair receivers, switchers, and distribution amplifiers. The MTP/HDMI U T A D is available in black and white versions.

**Digital Input**

- Transmits HDMI and RS-232 signals over two CAT 5-type cables
- Extron DTP26 Digital Twisted Pair cable provides added protection from outside interference and increases overall signal transmission distance
- HDCP compliant – The MTP/HDMI U T A D fully supports long distance transmission of HDCP signals
- HDMI 1.3 compatible – Supports HDMI 1.3 specification features, including data rates up to 6.75 Gbps, Deep Color, Lip Sync, and HD lossless audio formats
- Supports DDC transmission
- Extends digital video, multi-channel audio, and control signals from HDMI-equipped devices
- Transmits additional stereo audio signals
- Bidirectional RS-232/IR pass-through – Bidirectional RS-232 control or IR signals can be transmitted alongside the HDMI signals, so that the remote display can be controlled without the need for additional cabling

**Analog Inputs**

- Transmits RGBHV, HD component video, S-video or composite video, plus summed mono audio signals over a single CAT 5-type cable
- Supports RGBHV, RGBS, RSGbS, component video, S-video, and composite video
- Compatible with HDTV component video, bi-level or tri-level sync
- Auto-input switching – Automatically switches to the highest-quality input with an active video signal
- EDID emulation mode – A selectable feature for specifying the rate of the incoming VGA signal, EDID emulation mode allows proper source operation when no local monitor is present
- Switchable video output pre-peaking – Provides additional compensation for optimal performance on the longest cable runs, ensuring the highest-quality signal at the display
- Contact closure remote control – Allows for remote selection of video and audio inputs
**SPECIFICATIONS**

**NOTES:**
*Appropriate HDMI to DVI-D cables or adapters are required for DVI signal input/output.*

### VIDEO

**MTP analog input**
- Maximum resolution, analog: Up to 2048x1080 or 1080p @ 60 Hz

**HDMI digital input**
- Maximum data rate: 6.75 Gbps (2.25 Gbps per color)
- Maximum pixel clock: 225 MHz
- Maximum resolution, digital: Up to 1920x1200 or 1080p @ 60 Hz

### AUDIO

**Input level:**
- 3.5 V to 5.5 Vp-p, unbalanced

**Polarity:**
- Positive or negative (follows input polarity)

### VIDEO INPUT AND LOOP THROUGH

<table>
<thead>
<tr>
<th>Number/signal type</th>
<th>MTP input</th>
<th>Connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analog signal</td>
<td>1 analog RGBHV, RGBS, RGSb, RsGbs, component video, S-video, or composite video input</td>
<td></td>
</tr>
<tr>
<td>Digital signal</td>
<td>2 stereo, unbalanced</td>
<td></td>
</tr>
<tr>
<td>Connectors</td>
<td>1 female RCA</td>
<td></td>
</tr>
</tbody>
</table>

**HDMI input**
- Single link HDMI (or DVI-D*)
- Connectors: 1 female 15-pin HD (RGB, RGBS, RGSb, RsGbs)

### VIDEO OUTPUT

**Number/signal type**
- 1 set of proprietary analog signals
- 1 set of proprietary digital signals

**Connectors**
- MTP: 1 female RJ-45
- HDMI: 2 female RJ-45

### MTP/HDMI U T A D

**Analog Signal Maximum Transmission Distances**

<table>
<thead>
<tr>
<th>Resolutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1024x768 @ 60 Hz</td>
</tr>
<tr>
<td>1920x1200, 1080p @ 60 Hz</td>
</tr>
<tr>
<td>Up to 600’ (185 m)</td>
</tr>
<tr>
<td>Up to 400’ (120 m)</td>
</tr>
</tbody>
</table>

**Digital Signal Maximum Transmission Distances**

<table>
<thead>
<tr>
<th>Resolutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1024x768, 480p, 720p, 1080i @ 60 Hz</td>
</tr>
<tr>
<td>1200x1080, 1920x1080, 1080p @ 60 Hz</td>
</tr>
<tr>
<td>10-bit Color Depth</td>
</tr>
<tr>
<td>150’ (46 m)</td>
</tr>
<tr>
<td>250’ (76 m)</td>
</tr>
<tr>
<td>150’ (46 m)</td>
</tr>
<tr>
<td>12-bit Color Depth</td>
</tr>
<tr>
<td>100’ (30 m)</td>
</tr>
<tr>
<td>125’ (38 m)</td>
</tr>
<tr>
<td>150’ (46 m)</td>
</tr>
</tbody>
</table>

### CONTROL/REMOTE

**Serial control port input**
- 1 set of proprietary analog signals
- Connectors: 1 female RCA

**Serial control port output**
- 1 set of proprietary signals on a female RJ-45 jack

### AUDIO INPUT

**Gain**
- Unbalanced output: 0 dB, balanced output: +6 dB

**MTP input**
- Frequency response: 20 Hz to 20 kHz, ±1 dB

**HDMI input**
- Frequency response: 20 Hz to 20 kHz, ±0.06 dB

### AUDIO OUTPUT

**MTP output**
- From MTP input, see audio input specifications for the MTP receiver

**Number/signal type**
- 1 set of set of proprietary analog signals

**Connectors**
- 1 female RJ-45

**HDMI output**
- From HDMI input, see audio input specs for the HDMI receiver

**Number/signal type**
- 1 stereo, balanced/unbalanced

**Connectors**
- 1 female RCA jack (tip, ring)

### GENERAL

**Recommended cable type**
- Shielded or unshielded CAT 5/5e/6

**HDMI digital input**
- CAT 5/5e/6, Extron DTP26

**External power supply**
- 100 VAC to 240 VAC, 50-60 Hz, 6 W max., external to 12 VDC, 1 A, regulated

**Power input requirements**
- 12 VDC, 0.3 A for MTP U T A D
- 12 VDC, 0.2 A for HDMI 201 A D

**Cooling**
- Convection, no vents

**Mounting**
- Furniture mountable in a Decora®-style opening

**Enclosure type**
- Metal, with plastic Decora wall plate

**Enclosure dimensions**
- Faceplates: Three [2.6” x 1.3” x 0.2” D (6.6 cm x 3.3 cm W x 0.6 cm D)] (fits the openings in a 2 gang Decora faceplate.)
- Height: 4-1/4” [10.4 cm] including mounting tabs.

**Product weight**
- 0.9 lbs (0.4 kg)

**Regulatory compliance**
- CE, cUL, UL, EMI/EMC

**Warranty**
- 3 years parts and labor

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

**Model**
- MTP/HDMI U T A D
- MTP/HDMI Universal Transmitter - White — 42-166-01
- MTP/HDMI Universal Transmitter - Black — 42-166-02

**Part number**
- MTP/HDMI U T A D
- MTP/HDMI Universal Transmitter - Black — 42-166-02
- MTP/HDMI Universal Transmitter - White — 42-166-01

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