



EAUP 2412A 16RJ UTP Video Data Power Transceiver and EAUP 16RJ UTP Transceiver Instruction Sheet

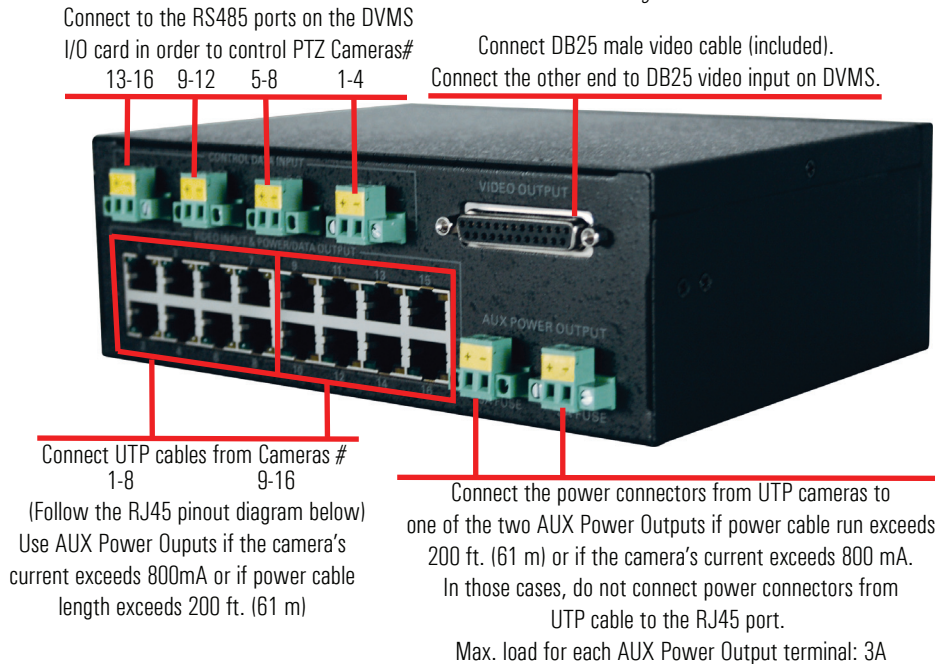
Thank you for purchasing i³DVR UTP Transceiver. UTP Transceiver device allows transmitting the video signal, power and control signal via the same UTP cable. Depending on your selection, you have received either a EAUP 2412A 16RJ UTP (Rackmount model) or a EAUP 16RJ UTP (Wallmount model). Please note that the Rackmount UTP Transceiver model comes with a camera power supply, while Wallmount model does not include power supply and will not supply power to the cameras.

Diagram 1 - EAUP 16RJ UTP Transceiver

When purchasing own camera power supply, ensure it meets the requirements outlined below. Connect own camera power supply to the power terminals labeled AC 24V Input on the back panel of UTP transceiver unit to transmit power to the cameras via UTP cables.

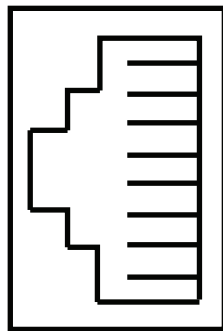
Make sure to meet the unit installation/environment requirements and not to exceed maximum recommended cable run length.

Follow Diagram 1 to locate video output and PTZ data terminals to be connected to the DVMS.



Transceiver Pinout Diagram

Below is the pinout for the RJ45 ports in the Transceiver box. The 16 cameras connect to these individual ports. For input order, follow the camera numbers as labeled on the transceiver or see the diagram above.



- | | |
|-------------|----------------|
| 1. VIDEO | + White-Orange |
| 2. VIDEO | - Solid Orange |
| 3. DATA | + White-Green |
| 4. AC POWER | + Solid Blue |
| 5. AC POWER | + White-Blue |
| 6. DATA | - Solid Green |
| 7. AC POWER | - White-Brown |
| 8. AC POWER | - Solid Brown |

Warning: Please be careful to match the power polarity as described in the pinout diagram. Incorrect wiring may damage the camera and/or the transceiver/power supply assembly.

Unit Environment

Please install the unit in a clean dust-free environment that meets the conditions below:

- Ambient Operational Temperature: 5° - 40°C
- Humidity: 0 - 95% (non-condensing)

Maximum Cable Lengths and Specifications

Follow the maximum allowed lengths for video, data and power as shown below:

- Video: 600 ft. (183 m)
- Power (via UTP connectors): 200 ft. (61 m)
- PTZ Control: 600 ft. (183 m)
- Do not exceed the recommended cable lengths.
- Max. load of 6A is shared by RJ45 outputs #1-8 and AUX Power Output #1
- Max. load of 6A is shared by RJ45 outputs #9-16 and AUX Power Output #2

Power Supply Specifications for EAUP 16RJ UTP

A power supply for Wallmount UTP Transceiver model must meet the following minimum specifications:

- Power Input: 110-120 VAC / 220-240 VAC, 60/50 Hz
- Power Output: 24 VAC (min 6A per 8 camera inputs)