

DataVideo PTR-10 and PTC-150

Some DataVideo devices only support their proprietary DVIP protocol over the network. For connection and control using the Visca protocol from a Skaarhoj panel, an ethernet to serial converter can be used.


Ethernet to Serial connection

To communicate via serial (RS-485) to the camera you need an Ethernet-Serial converter. We suggest you get a TCP232-306 from USR- <https://www.usriot.com/products/serial-to-ethernet-server.html>

The TCP232-306 is not the only ethernet to serial converter that works, but is the model we tested in house with the DataVideo devices.

Below you will find screenshots of how to configure the USR-TCP232-306 converter (found on the web interface of the TCP232-306). Notice the IP address of the TCP232-306 (Static IP Address) must match the IP settings of the Datavideo PTC-150 Device Core.

Firmware Version: V4018 中文



USR

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Current Status

Local IP Config

Serial Port

Expand Function

Misc Config

Reboot

parameter

Baud Rate: bps

Data Size: bit

Parity:

Stop Bits: bit

Local Port Number: (0~65535)

Remote Port Number: (1~65535)

Work Mode:

Remote Server Addr:
[192.168.0.201]

RESET:

LINK:

INDEX:

Similar RFC2217:

Help

- **HTTDP URL:**
Module add GET/POST and HTTP/1.1 in URL automatically according to user's setting.
- **HTTDP Packet Header:**
Module add HOST automatically according to user's setting. Add "Content Length" automatically in POST mode.

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website: www.usriot.com

The specific Baud Rate used is set in the Camera's OSD.



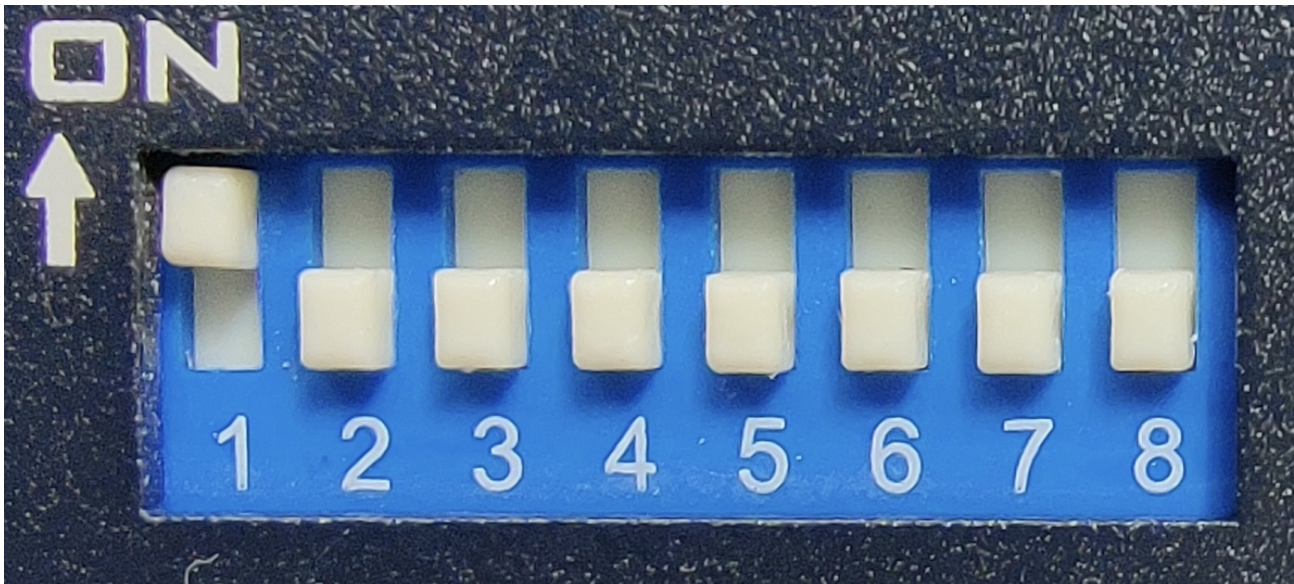
Wiring to the Camera/Converter



Serial Converter	RJ45
GND	White/Orange
Rx-	Blue
Rx+	White/Blue
Tx-	White/Green
TX+	Green

Dip Switches

On PT Head dip switch settings.



Function	Switch	On/Off
Visca-ID 1	1	On
Visca-ID 2	2	Off
Visca-ID 3	3	Off
Remote Control Protocol	4	Off for RS-422
Video Resolution	5-7	See Camera manual for desired resolution
Video Mode Selection Method	8	Off

See the Datavideo PTR-10 /PTC-150 Instruction Manual for detailed Dip Switch configuration.

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