

# Device: Datavideo PTC-150



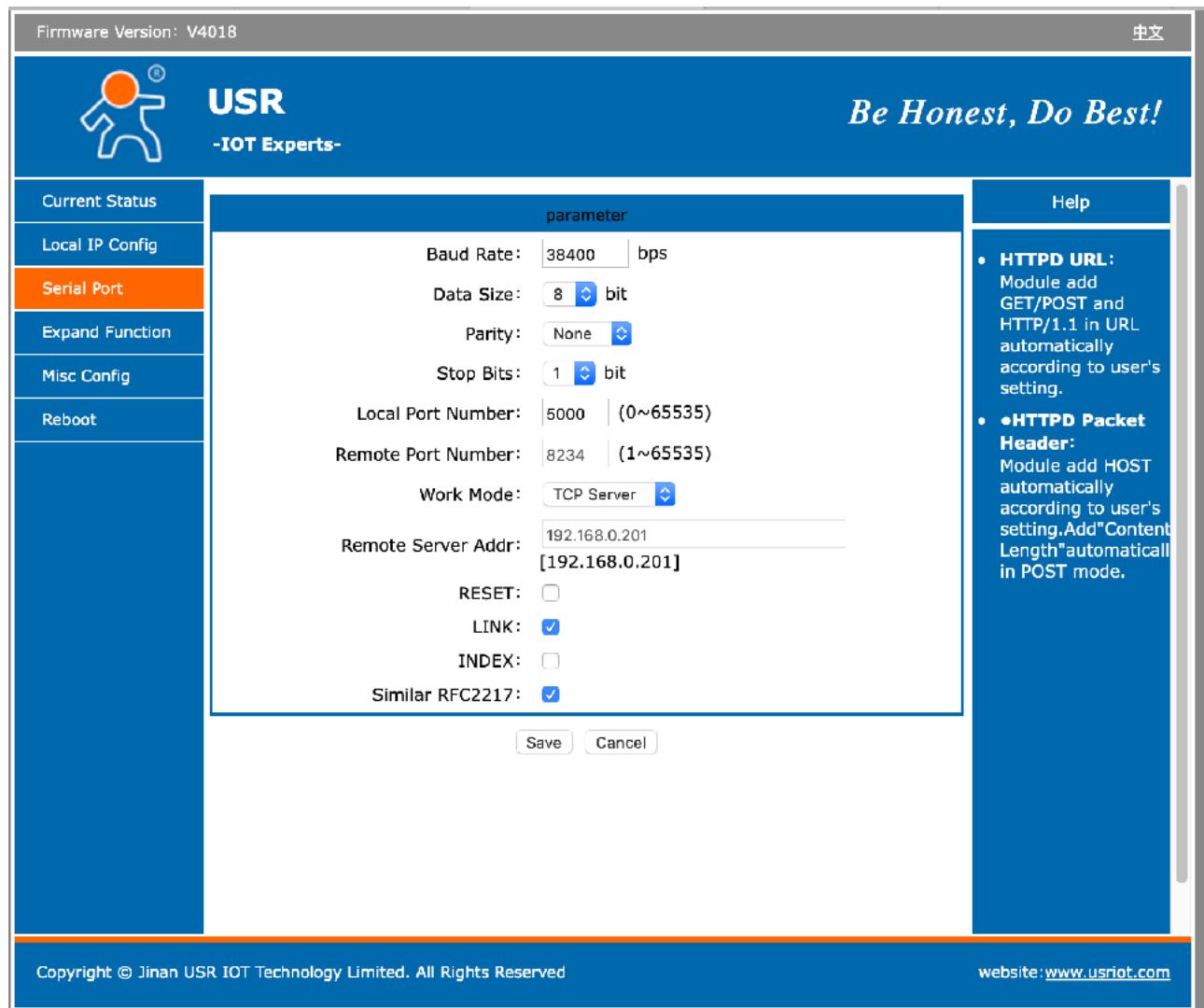
## Introduction

The PTC-150 from Datavideo can be controlled from SKAARHOJ panels using a Ethernet-Serial converter.

## 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-ethereum-server.html>

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.



The screenshot shows the configuration interface for the USR-TCP232-306 module. The left sidebar includes links for Current Status, Local IP Config, Serial Port (which is highlighted in orange), Expand Function, Misc Config, and Reboot. The main panel displays the 'parameter' configuration for the Serial Port. Key settings include:

- Baud Rate: 38400 bps
- Data Size: 8 bit
- Parity: None
- Stop Bits: 1 bit
- Local Port Number: 5000 (0~65535)
- Remote Port Number: 8234 (1~65535)
- Work Mode: TCP Server
- Remote Server Addr: 192.168.0.201 [192.168.0.201]
- RESET:
- LINK:
- INDEX:
- Similar RFC2217:

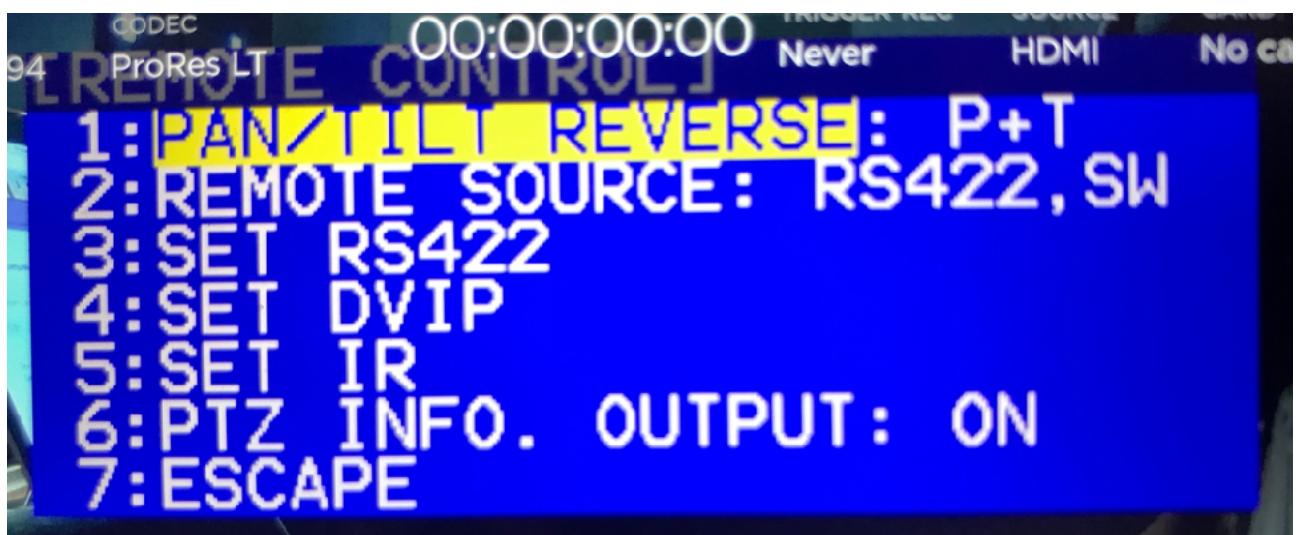
At the bottom of the configuration panel are 'Save' and 'Cancel' buttons. To the right of the configuration panel is a 'Help' section containing two bullet points:

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

At the bottom of the interface, there is copyright information: "Copyright © Jinan USR IOT Technology Limited. All Rights Reserved" and a website link: "website: [www.usriot.com](http://www.usriot.com)".

Wiring to the Camera/Converter





The USR serial device server lights up the "RX" led when it TRANSMITS!

## Actions

An excerpt of the actions in the Device Core

DataVideo PTC-150: Pan  
DataVideo PTC-150: Tilt  
DataVideo PTC-150: Pan/Tilt  
DataVideo PTC-150: Zoom  
DataVideo PTC-150: Zoom (Binary)  
DataVideo PTC-150: Focus  
DataVideo PTC-150: Focus (Binary)  
DataVideo PTC-150: Focus One Push  
DataVideo PTC-150: Focus Settings  
DataVideo PTC-150: Exposure Mode  
DataVideo PTC-150: Iris  
DataVideo PTC-150: White Balance  
DataVideo PTC-150: WB One Push  
DataVideo PTC-150: WB R/B Gain  
DataVideo PTC-150: Preset  
DataVideo PTC-150: System  
DataVideo PTC-150: PTZ Cruise Control  
DataVideo PTC-150: PTZ Trace  
DataVideo PTC-150: Speed Limit  
DataVideo PTC-150: Camera Select