TCC500
Multi-Camera HD Camera Controller, Airborne Camera, Sensor Payload and Data Link Controller

The TCC500 HD Camera Controller is a stand-alone control console that was initially developed to provide television broadcasters with a joystick controller capable of smooth, professional ON-AIR movements and programmable presets for remotely located POV cameras. Overtime the TCC500's design and flexible architecture led to the integration of new software that vastly increased the product's capabilities. Today the TCC500 can be ordered with software that can be used to manage bidirectional tactical data links, sensor payloads for unmanned vehicles, stabilized airborne cameras and transmissions from manned and unmanned surveillance aircraft.

Feature rich, the TCC500 is fully network enabled and offers a wide array of professional built-in presets. Each unit provides real-time video display with a host of standard camera controls like: focus, iris, gain, black level, shutter, white balance, paint box, color correction and digital filters. And, because the TCC500 was originally intended for professional and novice operators alike, its intuitive, touchscreen design simplifies every task so you'll get the most out of every shot.

The TCC500 Camera Controller communicates to any of the Troll HD camera or data link systems via fiber, Ethernet, RS-232, or RS-422. These flexible communications options can be expanded by the addition of Troll modem chassis. The TCC500 is a USB device that can add further dial-up, RS-232 and RS-422 circuits as well as 2/4-wire leased line capability whenever necessary.

The TCC500 console combined with any TrollCam HD system form a complete end-to-end remote camera solution — with nothing else to specify or buy!
TCC500 Specifications

Physical Characteristics

Size 8"H x 12"W x 4"D (203mm x 305mm x 102 mm)
Weight 6 pounds (2.72 kg)
Construction Aluminum
Processor AMD MIPS AU1500@400 MHz
Memory 64 MB RAM
Program Storage Type 1 Compact Flash
Operating System Windows CE 5.0
Viewing Display Backlit TFT LCD, 320 x 240 pixels with 64,000 colors,
Data Ports Touchscreen enabled
USB Ports Two (2) Multi-mode RS-232/422/485, three (3) RS-232
Modem Six (6) total – two (2) available on the front of the unit
Ethernet Internal Dial
Video Input One (1) 10/100 Integrated NIC NTSC via BNC

Physical Controls

Pan and Tilt 3-axis rate control joystick with two software control switches
Zoom Rate control rocker
Focus Position control wheel with one software control switch
Iris Position control wheel
Master Black Position control encoder

Features

Touchscreen Interface for control of all system features
Built-in-Test (BIT) Comprehensive internal testing including voltage/current
monitoring, internal temperature and serial ports
Video Output Output available to support single VGA monitor/
LCD – up to 1280x1024
Presets User-defined
Programmed Moves User-defined

Visit us at our website for product and corporate information sessions. See video imagery of this system.
www.TROLLSYSTEMS.com
Specifications subject to change without notice.

Portable, Field Programmable, Bidirectional Remote Controller for Cameras, Tactical Data Links and Robot Payloads

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