

MANUFACTURED BY TROLL SYSTEMS
THE DATA LINK EXPERTS

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 joy-stick 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 products 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 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!



- ▶ **Controls Multiple Cameras**
- ▶ **Network Multiple Consoles**
- ▶ **Touchscreen User Interface**
- ▶ **Live Video Option**
- ▶ **Durable and Maintenance-Free**
- ▶ **Software can be tailored to specific customer applications:**
 - ▶ Multi-camera remote control ground installations
 - ▶ Multi-camera remote control for ON-AIR and live broadcast video production
 - ▶ Stabilized airborne camera control
 - ▶ Microwave control air to ground data links
 - ▶ Bidirectional wireless controller for unmanned aircraft and robot sensor payloads



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Photo Courtesy of U.S. Army

TCC500

Multi-Camera Controller

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
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See video imagery of
this system.

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Specifications subject to change without notice.



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



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