

MANUFACTURED BY TROLL SYSTEMS
THE DATA LINK EXPERTS

TrollCam HD

Remote Controlled Outdoor HD Camera System

The TrollCam HD is a complete POV (point-of-view) camera system. It integrates Troll's award winning camera enclosure with HD and SD cameras and lenses from most major manufacturers.

The system is comprised of Troll's HD camera enclosure, control electronics, interface box, camera/lens, and QuickSet's heavy-duty precision pan and tilt positioner.

The TrollCam HD is manufactured with high-quality components. Its state-of-the-art enclosure is NEMA 4 rated, providing protection and reliability for your camera in rigorous environments. The enclosure is virtually maintenance-free — employing Troll's AIRJET technology (patent pending) to keep the 16:9 viewing window clean and clear without the need for a mechanical wiper! Troll has also enhanced the pan and tilt positioner, making it a serially-controlled device with better than 0.2 degrees of accuracy.

Connection from the enclosure to the interface box is accomplished with a single cable that carries all the necessary power, control, and data signals. The interface box provides access to all signals as well as housing the AIRJET compressor.

The system can be controlled using either our intuitive TouchStar software or the new TCC500 Camera Controller—the camTROLL. Remote operation of the TrollCam HD can be achieved via dial-up, Ethernet, RS-232, or RS-422.

The TrollCam HD can accept virtually any camera and lens combination that you might consider using. We have developed drivers for most major manufacturer's cameras and lenses — you choose, we integrate.



- ▶ Award Winning HD Enclosure
- ▶ Easy installation/Easy to Maintain
- ▶ Heavy-Duty/Precision Pan and Tilt
- ▶ Multiple Camera Options
 - ▶ JVC, Hitachi, Panasonic, Ikegami, and more
- ▶ Multiple Lens Options
 - ▶ Fujinon, Canon, and more



www.TROLLSYSTEMS.com

Troll Systems Corporation Valencia, California 91355 Fax: 661-701-8901 Phone: 661-702-8900

Photo Courtesy of U.S. Army

TrollCam HD

Remote Controlled HD Camera System

Specifications

TrollCam HD Enclosure

Input Voltage	120 VAC (240 VAC Optional)
Size	8.5"H x 11"W x 31.3"D (216mm x 280mm x 794mm)
Weight	35 lbs (16 kg)
Viewing Window	98% transmission, anti-glare/reflective, hydrophobic coating 4.1"H x 7.4"W x .24"D (188mm x 104mm x 6mm)
Connectors	Control / Pan and Tilt / BNC
Latches	Link-Lock stainless steel (can be secured with padlocks)
Construction	Aluminum 0.09-inch thick
Finish	Powder Coat White
Environment	-13°F to 140°F (-25°C to 60°C)

Features

Sun Shroud	Supplied as standard
Window Defroster	120 VAC, 175 Watts, Thermostatically Controlled
AirJet System	Forced Air (24 VDC) and 100 PSI air blast (user activated)
Environmental	NEMA Type 4 – meets or exceeds standards
Payload Insulation	Neoprene Sponge Rubber, 0.25" thick
Communication	Dial-up, Ethernet, RS-232 and RS-422 (2/4-wire leased line available as an option)

Troll Interface Box

Input Voltage	120 VAC (240 VAC Optional)
Size	18"H x 18"W x 8.5"D (457mm x 457mm x 216mm)
Weight	42 lbs (19 kg) including compressor
Connectors	Two BNC (ASI/NTSC), two RJ-45 Ethernet, one RJ-11 Dial-up, DB9 Serial, one AC input, and one switched AC output
Finish	Powder Coat - White
Environment	-13°F to 140°F (-25°C to 60°C)
Compressor	100 PSI, 120 VAC, 2 Gallon, Oil-Free, Direct Drive

QuickSet QPT-90-TRL24

Voltage	24 VDC
Load Capacity	90 ft-lbs (12 kgm)
Dimensions	12.3'H x 12.4'W x 8.9'D (313mm x 314mm x 225mm)
Pan Range/Feedback	+/-180 degrees/Encoder
Tilt Range/Feedback	+80 to -40 degrees/ Encoder
Weight	37 lbs (16.8 kg)
Limit Switches	Internal, adjustable
Control	Serial

Camera Options

JVC
Hitachi
Panasonic
Ikegami
Others Available – Contact Factory

Lens Options

Fujinon
Canon
Others Available – Contact Factory

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.



TCC500 HD Camera Controller

Controls Multiple Cameras
Network Multiple Consoles
Touchscreen User Interface
Live Video Option
Durable and Maintenance-Free

Photo Courtesy of U.S. Army



THE DATA LINK EXPERTS

Troll Systems Corporate 24950 Anza Drive , Valencia, CA 91355
Phone: 661-702-8900 Fax: 661-701-8901

www.TROLLSYSTEMS.com