

# Image Intelligence in Real-Time



The S6000 is designed as the replacement for Troll's BAS era S750 and S350 remote controllers. The S6000 is a completely modern remote controller that can interface with legacy remote site infrastructure and provides a direct Ethernet or serial interface to Troll's latest diversity and tracking antenna products.

The S6000 provides an intuitive touchscreen Graphic User Interface (GUI) designed to provide more information, improved automation, diagnostics and test.

The S6000 is an IP-based controller that features a local touchscreen monitor and outputs for HDMI or composite video. An eight-port Ethernet switch is included to connect external receivers, transmitters, switchers and many other digital devices commonly found at remote antenna sites.

To add customer specific functionality Troll provides ConTroll-PACs. A ConTroll-PAC is a hardware and/or software package designed to remotely control additional digital devices at individual antenna sites. In the past, ConTroll-Pacs have been used to control third-party transmitters, encoders, decoders, encryptors, decryptors, spectrum viewers, switchers and routers commonly found at remote antenna sites. This enables customers with legacy equipment to integrate these and other digital devices using Troll's proven communication architecture that includes built-in monitoring, diagnostics and test.

The S6000 provides advanced communications options: Ethernet, serial, dial-up as well as legacy 2 wire and 4 wire circuits if necessary.

Like all Troll equipment, the S6000 was designed to be rugged and reliable for years of service in adverse environments. Careful attention to design and manufacture assure performance and reliability, especially in highly saturated RF environments that are common to remote ENG and XNG facilities.

Air-to-Ground Ethernet Connectivity

## S6000 Microwave Antenna Remote Controller



Most advanced remote-site controller

Highly configurable

Control multiple devices over Ethernet

Spectrum viewer options

Embedded Ethernet switch

Support for multi-channel diversity antenna sites

Numerous communications options

Controller for multiple antennas

# IP Based Remote Control for Multi-Channel, RF Tracking Transmit and Receiver Site

# S6000

## SPECIFICATIONS

Specifications subject to change without notice.



### S6000 Controller Series Specifications

**Operating System:** Linux  
**Storage:** 500GB DVR  
**Routing:** Embedded eight-port Ethernet switch  
**Interfaces:** USB, HDMI, composite, Ethernet, serial  
**Video Transport:** ASI, Ethernet  
**Front Panel Display:** 5" LCD touchscreen with 800x480 resolution  
**Control Modes:** Front panel local control or remote control via serial, Ethernet or dial-up  
 Remote via Troll's Master Control Systems: TouchStar or Cyclops

**Serial Ports:** Two (2) Multimode RS-232/422/485 and Two (2) RS-232 Expandable via  
**USB Ports:** ConTroll-PACs  
**Modem:** Five (5)  
**Ethernet:** Internal Dial-Up  
**Managed Ethernet Switch:** One (1) 10/100 Integrated NIC  
**Control Modes:** Eight (8) ports  
**Input Power:** Remote Via Master Control System  
 110-240VAC, 50/60 Hz, max 300W

### Communications Options

Serial	4-Wire	T1
Internal Dial Modem	2-Wire	Cable Modem
Ethernet	Fiber	DSL

### ConTroll-PAC for third-party equipment

Antennas	Rx/Tx	Digital Decoders	Switchers
MRC / Vislink	GMS	MRC / Vislink	Adrienne
NSI	MRC / Vislink	Nucomm / IMT	Grass Valley
Nucomm / IMT	Nucomm / IMT		Probel
Radio Waves			Sierra
			Videotek



### Environmental

**Operating Temperature:** -20 – +50 C indoor rack mount  
**Life Expectancy:** Fifteen years  
**Mechanical**  
**Dimensions:** 14.0" L x 19.0" W x 3.4" H  
**Weight:** 6 lb  
**Vertical Rack Space:** 2U

### Optional Control of Legacy Antennas

**X750 Expansion Chassis** Control traditional antenna systems  
**X350 Expansion Chassis** Control traditional non-steerable systems  
**GPS Tracking** NAVTrack/LogicTrack  
**Control specials** Refer to Factory  
**Additional I/O** Refer to Factory  
**Spectrum Viewer Options** Internal or Serial Devices



The Data Link Experts

[www.trollsystems.com](http://www.trollsystems.com)



Troll Systems' products are  
Made in the USA

[sales@trollsystems.com](mailto:sales@trollsystems.com)

Corporate: 24950 Anza Dr.  
Valencia, California 91355  
+1 (661) 702-8900

