

Image Intelligence in Real-Time



Troll's DMR2000 Central Receiver provides DVB-T, COFDM demodulation and decoding. These network receivers provide IP connectivity and serial interface with legacy digital infrastructure while enabling modern-day control, output and test via Ethernet.

The receiver's front panel touchscreen provides an intuitive Graphic User Interface (GUI) for local HDMI video and audio preview, control and monitoring of antennas, data link transmission and test. Its modern design incorporates the latest networking technology, with extensive packet-level diagnostics to ensure uninterrupted HD video streams arrive at master control intact. Its Linux operating system delivers remarkable performance while providing an Ethernet compatible platform for delivering encrypted HD video and data over IP.

The Receiver controller 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 central receiver is designed to be rugged and reliable for years of service in adverse environments. Careful attention to design and manufacturing assures performance and reliability, especially in highly saturated RF environments that are commonly found around remote ENG, cellular and urban roof top antenna sites.

Troll's central receivers interface directly with Troll Systems' antennas. This includes the A1 panel antennas, omnidirectional and long-range tracking antennas. For tactical installations customers can specify an embedded micro receiver designed to fit inside Troll antenna enclosures.

Air-to-Ground Ethernet Connectivity

DMR 2000 BAS Receiver 2GHz to 2.5GHz



UDP video streaming over Ethernet

ASI output

Live video and audio preview via front panel includes touchscreen control

MPEG 2 (4:2:2) and H.264 (4:2:2) decoding

AES 128 or 256 decryption

2 HDMI outputs

Eight-port Ethernet switch

Numerous communications options

1TB internal DVR

Includes spectrum viewer

Optional:

X750 parallel tracking antenna interface

2 to 2.5GHz Receiver, IP Based Remote Antenna Controller

DMR2000

SPECIFICATIONS

Specifications subject to change without notice.

System Properties:	USB, HDMI, composite, Ethernet and serial
Interfaces:	UDP streaming over IP, HDMI and composite video
Output:	1920 x 1080 resolution
HDMI Video Output:	5" LCD touchscreen with 800x480 resolution with audio preview
Front Panel Display:	Touchscreen local control or remote control via serial, Ethernet or dial-up
Control Modes:	1TB drive with approximately fourteen days of recording
DVR - Optional	
RF Input	
Input Frequency Range:	2000-2500MHz
Receiver Type:	Dual heterodyne DVB-T IF frequency 815MHz IF filter 815MHz (10MHz band width)
Spectrum Viewer:	815MHz built in
Dynamic Range:	Threshold to +15dBm
I/O and Control:	Ethernet, serial, USB ports
Display Modes:	External monitor option: HDMI and composite
Physical Characteristics	
Weight:	10 lbs. (4.6kg)
Vertical Rack Space:	2U
Dimensions (LWH):	15 x 19 x 3.5 inches (38 x 48 x 8.9 cm)
Input Power:	110-240VAC at 50/60Hz 300W Max
Temperature Range:	-25 to 60C (-13°F to 140°F)



X750
Parallel Antenna Interface
Expansion Chassis



NAVTrack - Touchscreen Front Panel
Tracking Antenna Controller



The Data Link Experts

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