

- » Portable receive-only antenna system for video and ISR
- » Ideal for dismounted on-the-pause applications
- » Complete manpack system includes EnerLinksIII Ground Modem Transceiver, antenna, battery, and cables



The Viasat EnerLinksIII™ Remote Video Terminal (RVT) is a complete, high-performance receive-only ground antenna system for video and ISR data links using the EnerLinksIII Ground Modem Transceiver (GMT). The Viasat EnerLinks III RVT packages the GMT, a remote video antenna, battery and cables in a backpack that is ideal for manpack and dismounted on-the-pause applications.

The system includes a lightweight, collapsible tripod with LNAs and antennas installed. The small, light patch antennas provide a wide beam width to allow easy acquisition and tracking. With the gain provided by the patch antennas, the RVT system can provide up to 30 km at 6 Mbps for transmission of high-quality HD video and other sensor data.

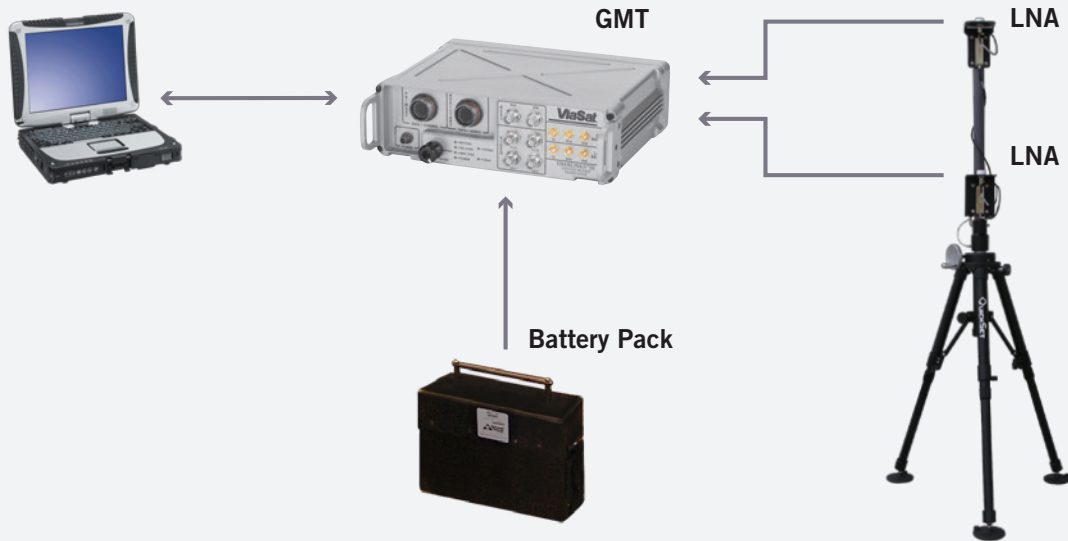
With upward-looking antennas, this terminal is ready for operation at close range where the angular velocity of the aircraft may exceed the user's ability to track the aircraft. The diversity-combining capability of EnerLinksIII allows the downlink to switch seamlessly and automatically between the two antennas. LNAs are integrated on the antenna to simplify connections.

The GMT can provide up to five hours of use per mission. The GMT and antennas are enclosed in lightweight manpacks for easy deployment.

ENERLINKSIII RVT AT-A-GLANCE

- » Rugged, portable antenna system enhances EnerLinksIII range performance
- » Small omni antenna design provides 3 dBi of gain
- » Wide beamwidth improves usability and allow ease in pointing
- » Upward-looking antenna for operation at close overhead range
- » Fully integrated with all RF components
- » C-band receives frequencies of 4400 to 4950 MHz





SPECIFICATIONS

ANTENNA

Gain at 4400 MHz (approx) 3 dBi

RF FREQUENCY

C-band 4400 to 4950 in 500 KHz steps

ANTENNA TRIPOD ASSEMBLY

Size 3 ft < height < 6 ft

RVT ASSEMBLY

Weight 20 kg

Backpack Size 39 x 18 x 15 in.

POWER

» 24 V with supplied battery pack

ENVIRONMENTAL

Temperature

» Operating -20 to +55° C
» Non-operating -40 to +55° C

Humidity

95%

Vibration

Consistent with section 514.4 category 20 of MIL-STD-810F; Procedure 1, Figure 514.5 C-3 (wheeled vehicles)



CONTACT

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