



TM-RX

Rugged, Battery Powered Wireless Video Receiver with High Resolution Display

The TM-RX is a fully portable digital diversity receiver, which incorporates a high resolution scratch resistant daylight viewable screen, an antenna diversity pair and a quick release battery.

This is all housed in a compact rugged waterproof enclosure. The integral battery can provide power for > 2 hours during continual operation. Batteries can be recharged using the charger supplied in the kit.

Demand for system flexibility has led to Mesh being the first choice for transferring video. A digital Mesh radio network allows encoded video and audio to be exchanged and shared between several nodes simultaneously.

The reception of COFDM point to point type RF transmissions is also supported as an option.

On screen diagnostics provides the viewer with vital information such as the RF status and battery levels on both sides of the link.

GPS position of both the TM-RX and the GPS enabled transmitter are displayed together with a distance delta between the two.

A joystick and button interface with silent vibration feedback allows the user to control a wide range of the device's parameters and also control the settings of the remote camera & transmitter pair through the telemetry path.

A headset connector on the top of the unit interfaces into the two way audio link between the TM-RX and the transmitter.

Also incorporated is adjustable screen brightness control, so as to allow viewing in differing daylight levels together with ultra dim night settings for use in covert operations.

The internal 256GB solid state hard disk ensures video recordings and screen snapshots can be easily archived for future reference.

Security of the link is ensured either through standard DES encryption or optional AES128 or AES256.

Overview

Digital Video Receiver

Wireless Mesh Network

High Resolution Display

Internal Recording

On Screen Diagnostics

Telemetry Control Path

GPS Positioning

Battery Powered

Headset Connection

Two Way Audio Communications

HDMI output

External Network Connection

Encrypted Link

System Configurable - On Screen

IP68 Rated

Scratch Resistant Glass

Rugged Build for Tactical Operations



Connections on the topside for antennas, external network and the audio headset.

Battery access is on the underside.



Specifications

Screen Type	High Definition	RX Antennas	Dual Diversity
Screen Size	6"	Alerts	Silent Vibration
Screen Resolution	1920 x 1080	System Configuration	On Screen Menus
Screen Coating	Anti-Reflective	External Connection	Supplied Cable
Glass Type	Scratch Resistant	External Interface	Ethernet
RF Frequency	L-Band S-Band C-Band	GPS Positioning	Displays TX to RX Distance Delta
RF Type	COFDM Mesh COFDM	Internal Storage	256GB Solid State HD
Control Interface	Waterproof Joystick & Buttons	External Input Voltage	6 to 16V DC
Video Interface	HDMI	Battery Capacity	3.35Ah
Video Decoding	H.264 & MJPEG	Run Time	>2 Hours - Continual Use
Audio	G711 Decoding Output on EXT-B	Temperature	-20 to +50°C
IP Stream Decoding	RTSP, RTP over TCP or UDP	Dimensions	190 x 100 x 42mm
Decryption	DES or AES128, AES256 (Optional)	Environmental	IP68

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