



## TM-RX

### Rugged, Battery Powered Mesh Video Receiver

The TM-RX Receiver is a fully portable Mesh enabled digital diversity receiver which incorporates a DTC Software Defined Radio, a high resolution scratch resistant daylight viewable video screen, a flexible antenna pair and a 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, audio and data to be shared between several nodes simultaneously.

The reception of COFDM point to point type RF transmission 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 a 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 device parameters and also control remote cameras.

Its external Fischer connectors support a direct Ethernet connection and an audio headset interface.

The screen is manufactured from Gorilla glass, making it scratch resistant and resilient to being dropped. The brightness of the screen is adjustable so as to allow viewing in differing daylight levels.

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, direct Ethernet connection and the audio headset.



Battery access is on the underside.



**Specifications**

<b>Screen Type</b>	High Definition	<b>RX Antennas</b>	Dual Diversity
<b>Screen Size</b>	6"	<b>Alerts</b>	Silent Vibration
<b>Screen Resolution</b>	1920 x 1080	<b>System Configuration</b>	On Screen Menus
<b>Screen Coating</b>	Anti-Reflective	<b>External Connection</b>	Supplied Cable
<b>Glass Type</b>	Scratch Resistant	<b>External Interface</b>	Ethernet
<b>RF Frequency</b>	L-Band, S-Band, C-Band	<b>GPS Positioning</b>	TX to RX Delta
<b>RF Type</b>	COFDM Mesh, COFDM	<b>Internal Storage</b>	256GB Solid State HD
<b>Control Interface</b>	Joystick, Buttons, Touch	<b>External Input Voltage</b>	10 to 18V DC
<b>Video Interface</b>	HDMI	<b>Battery Capacity</b>	3.35Ah
<b>Video Decoding</b>	H.264 & MJPEG	<b>Run Time</b>	>2 Hours - Continual Use
<b>Audio</b>	Output on EXT-B Fischer	<b>Temperature</b>	-20 to +50°C
<b>IP Stream Decoding</b>	RTSP, RTP over TCP or UDP	<b>Dimensions</b>	190 x 100 x 42mm
<b>Decryption</b>	DES, AES128, AES256	<b>Environmental</b>	IP68

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