

# TACTIC™

FPV-RM2

## FPV-RM2

**4.3" HD COLOR MONITOR  
WITH 5.8GHZ RECEIVER  
INSTRUCTION MANUAL**

*Tactic's FPV-RM2 First Person Video monitor with integrated receiver and DVR is intended for receiving video signals from a 5.8GHz FPV transmitter (available separately) that is mounted inside an R/C hobby model. Five bands with a total of 40 frequencies in the 5.8GHz spectrum are available. For optimum results operate the system away from other 5.8GHz transmitters and in areas having as few obstructions possible to the Tx.*



**It is strongly recommended to completely read this manual before use! Damage resulting from misuse or modification will void your warranty.**

TACZ5152 FPV-RM2 Monitor  
TACZ5202 FPV-RM2 Monitor & FPV-G1 Goggles



## CONTENTS



- (1) FPV-RM2 monitor
- (1) Sun shield\*
- (1) RP-SMA mast antenna

\*Sun shield not included with the TACZ5202 version.

## ANTENNA INSTALLATION

Carefully thread the included antenna onto the RP-SMA receptacle on the monitor. Do not cross-thread or overtighten! Mount the antenna before applying power to the monitor.

## BATTERY CHARGING

This monitor has a micro USB charge port on the right side of the monitor to charge the internal battery. A micro-USB cable and an AC to USB adapter (not included) will be needed. Connecting the cable will start the charge process, as indicated by the glowing red LED which will turn off when charge is complete. For best results, use a 1 amp or larger adapter. The typical charge time will be around 3 hours.



**WARNING!** Charging lithium-polymer batteries poses a risk of FIRE! Follow all care and handling instructions in this manual to avoid severe and permanent damage to the batteries and all surroundings which could result quickly from improper use and function.



- Do not leave the monitor unattended while being charged!
- Immediately disconnect the USB charge cable if the monitor becomes hot (over 140°F, 60°C), begins to swell or emits smoke. Wear fire protective materials on your hands to move the monitor to a fireproof location as it may be hot! Leave the monitor until it cools.
- Always provide adequate ventilation around the monitor during charge.
- Always keep LiPo batteries away from children.
- Do not place the monitor on flammable surfaces or near combustible materials (carpet, paper, wood, plastic, vinyl, foam, etc.) while charging.

## DVR

The FPV-RM2 monitor has a DVR that will record and playback avi format video clips. A micro SD memory card (not included) must be installed in the monitor before the DVR will operate. The DVR will save the video to the memory card every 4 minutes. A timer in the lower left corner of the screen will indicate the length of the video file being recorded. To avoid losing any part of the video file, always stop the recording and wait at least 15 seconds before turning off the monitor. The quality of the file recorded by the DVR will not be as sharp as a file recorded by an on-board camera because the data is compressed when transmitted to the FPV receiver.



Holding the M button puts the DVR in playback mode. Press the **↑** or **↓** buttons to select the video file to be played. Press the V button to start and stop playback of the selected video clip. Hold the M button for 2 seconds to exit the playback mode. The DVR will only recognize AVI files in the “Video” folder that are named “RECxxxxx” where xxxxx is a 5 digit number.

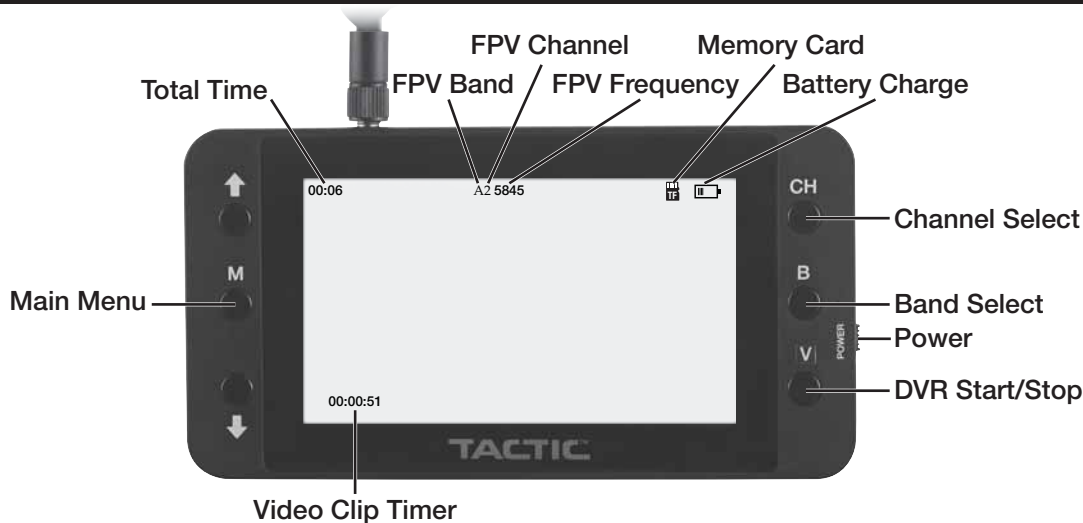
## RECEIVER

The FPV-RM2 monitor has a 40 channel receiver that uses FPV bands A, B, E, F and R. A specific Band and Channel can be selected or the receiver can search for a nearby FPV signal.

BAND	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A: FPV A Band	5865	5845	5825	5805	5785	5765	5745	5725
B: FPV B Band	5733	5752	5771	5790	5809	5828	5847	5866
C: FPV C Band	5705	5685	5665	5645	5885	5905	5925	5945
D: Fatshark Band	5740	5760	5780	5800	5820	5840	5860	5880
E: Raceband	5658	5695	5732	5769	5806	5843	5880	5917

Frequency in MHz

## MONITOR CONTROLS



The screen has status indicators for

- Total Time the monitor has been on
- FPV Band
- FPV Channel
- FPV Frequency
- Memory Card is installed
- Battery Charge Level
- Video Clip Timer indicates the length of a video that has not been saved to the memory card.
- POWER: The On/Off switch is on the right side of the monitor
- CH: Press repeatedly to manually scroll through the 8 channels that are available for the current band. The current channel will be indicated at the top of the screen
- B: Press repeatedly to manually scroll through the bands A – E shown at the top of the screen. Hold the button to scan all bands and channels for the strongest FPV signal.
- V: Press to start or stop the DVR.
- M: Press to access the Main Menu and see the functions listed below. Repeatedly press “M” to scroll through the list of options. Press the ↑ or ↓ to adjust the selected setting.

Brightness

Contrast

Color

Language (English or Chinese)

Backlight

Reset – all settings including frequency are reset

## SCREEN CARE AND HANDLING

- Do not apply cleaning fluid to the monitor such as alcohol, ammonia-based cleaners such as window cleaning fluid, etc.
- Do not clean the monitor with paper towels, facial tissue, or materials which include abrasives such as nylon, polyester, etc. as it could scratch the screen.
- With the monitor off and the screen cool, lightly dust the screen with compressed air from a distance of at least 12 inches away. Then lightly wipe the screen with a micro-fiber cloth (included). Wipe the screen slowly and in horizontal or vertical straight lines (not circular patterns).



A detachable sun shield\* is included to help shield the display from sunlight for optimum viewing. Align the tabs on the top and bottom of the sun shield with the notches on the monitor. Carefully press the tabs into place to affix the shield to the monitor.

\*Sun shield not included with the TACZ5202 version.

## FCC STATEMENT

This device complies with Part 15 of the FCC rules. Changes or modifications not expressly approved by Tactic will void the user's authority to operate this Rx. Operation is subject to the following two conditions.

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

## CE COMPLIANCE INFORMATION FOR THE EUROPEAN UNION

Instructions for Disposal of Waste Equipment by Private Users in the European Union:

This symbol on the product or its packaging indicates this product must not be disposed of with other household waste. Instead, it is the user's responsibility to dispose of their waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or location where you purchased the product.

Declaration of Conformity:

Product: Tactic FPV-RM2 4.3 Inch Monitor with 5.8GHz Receiver

Item number: TACZ5152

The object of the declaration described here is in conformity with the requirements of the specifications listed below, following the provisions of the European R&TTE Directive 1995/5/EC:

EN 300 440-1 V1.5.1

EN 300 440-2 V1.3.1

EN 301 489-1 V1.8.1

EN 301 489-3 V1.4.1

## SPECIFICATIONS

Input power: 5 volts

Channels: 40

Frequencies: 5.725 – 5.945GHz

Charge jack: micro USB

Dimensions with case: 150 x 79 x 13mm (5.91 x 3.11 x 0.51")

Weight w/o antenna: 145g (5.11 oz.)

## OPTIONAL ACCESSORY ITEMS

TACZ5000 FPV-T1 5.8GHz 25mW Transmitter

TACZ5005 FPV-T2 5.8GHz 200mW Transmitter

TACZ5010 FPV-T6 5.8GHz 600mW Transmitter

TACZ5035 FPV-C2 30x30mm FPV Video Camera

TACZ5300 FPV SMA Antenna Short Tx

TACZ1010 4G Class 10 Micro Memory Card

TACZ5305 FPV 5.8GHZ Cloverleaf Antenna 3dBi

TACZ5600 FPV-RM2 Sun Shield

TACZ5602 FPV-RM2 Tripod Mount

TACZ5604 USB Micro SD Card Reader



# 1-YEAR WARRANTY

Tactic warrants this product to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase.

For service on your Tactic product if purchased in the U.S.A. or Canada, send it postpaid and insured to:

## HOBBY SERVICES

3002 N. Apollo Dr., Suite 1

Champaign, IL 61822

Tel: (217) 398-0007 (9:00am - 5:00pm CST, M-F)

E-mail: [hobbyservices@hobbico.com](mailto:hobbyservices@hobbico.com)

If purchased in the European Union, send it postpaid and insured to:

Service Abteilung Revell GmbH

Henschelstrasse 20-30

32257 Bünde Germany

Tel: 01805 110111 (nur für Deutschland)

Email: [Hobbico-Service@Revell.de](mailto:Hobbico-Service@Revell.de)

- This product is suitable only for people of 14 years and older. This is not a toy!
- **WARNING: CHOKING HAZARD** - May contain small parts. Keep away from children under 3 years. Please retain packaging for future reference.
- No part of this manual may be reproduced in any form without prior permission.
- The contents of this manual are subject to change without prior notice.
- Tactic is not responsible for the use of this product.

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TACZ5152MNL

Made in China

# TACTIC™

FPV-G1

## FPV-G1

### FPV GOGGLES INSTRUCTION MANUAL



TACZ5200 FPV-G1 Goggles  
TACZ5202 FPV-RM2 Monitor & FPV-G1 Goggles

*The Tactic FPV Goggles are designed to hold the HD Color Monitor for a more immersive view from the FPV camera. The goggles can also be used with mobile devices that are less than 5.9" x 3.15" to watch videos.*



It is strongly recommended to completely read this manual before use! Damage resulting from misuse or modification will void your warranty.

## FPV GOGGLES (AVAILABLE SEPARATELY)



The Rise FPV Goggles are designed to hold the HD Color Monitor for a more immersive view from the Vusion FPV camera. The goggles can also be used with mobile devices that are less than 5.9" x 3.15" to watch videos.

To access the compartment for the monitor, pull on the cover tab. Place the monitor or mobile device in the compartment and close the cover.

**NOTE:** To avoid damage to the monitor or mobile device, do not install the device until the FVP camera is turned on and remove it when the session is completed.

Pulling the FOV Lever on top of the goggles closer to your eyes will slightly expand the field of view for use with devices that have a large screen.

The length of the straps can be adjusted by moving the hook and loop pad at the end of each strap.

The goggles are large enough that reading glasses can be used if needed to sharpen the image from the monitor.

### **DIMENSIONS**

**Width:** 200mm

**Height:** 114mm

**Depth:** 170mm

**Weight:** 480g

### **REPLACEMENT PARTS**

TACZ5610 FPV-G1 Head Strap

TACZ5612 FPV-G1 Face Plate Foam



## OTHER ACCESORIES

### TACTIC FPV-C1 22x22MM VIDEO CAMERA

Install the 22 x 22 mm FPV-C1 into your favorite R/C model, and you'll be shooting incredible First Person View videos in no time. It's small and lightweight, so it's easy to mount in virtually any space, including 250-size drones. Pair the FPV-C1 with Tactic 5.8GHz FPV gear for a remarkable FPV racing experience!

#### Features

- Compact dimensions and light weight make the FPV-C1 an ideal camera for First Person Video (FPV) racing
- Compatible with Tactic 5.8GHz FPV equipment, allowing for easy set-up
- Mounts easily with double-sided tape, hook-and-loop material or pre-fabricated brackets
- 600TVL video resolution
- 5-15V input voltage range

#### Specifications

Dimensions: 0.87 x 0.87 x 0.98" (22 x 22 x 25 mm)

Weight: 0.38 oz (10.9 g)

Mode: Video only

Video Resolution: 600TVL

Field of View: 120°

Color Encoding: NTSC (740H x 490V) / PAL (740 x 570)

Video Out: 1.0Vp-p, 75 ohms

Input Power: 5-15V DC, -40mA

Sensor: 1/3" (8.5 mm)

Camera Lens: 0.33" (2.8 mm)



#### Includes

- FPV-C1 camera with input connector
- Adapter cable
- Lens cap

#### Requires

- Video transmitter (FPV-T1, FPV-T2 and FPV-T6)
- Viewing device (FPV-RM1)
- Receiver (FPV-RM1)
- Mounting tape