

# SmartFPV GoPro Video Board



This board is designed for GoPro HD HERO, HERO2 and HERO3 cameras. It plugs in to GoPro 30pin bus connector on back of camera and gives ability to get live video, charge camera and record HD video at same time. It is small enough to fit in waterproof LCD Bacpac case or to use it in GoPro gimbal setup.

Board has 3pin Molex connector. Supplied 30cm cable will connect to Molex connector and provide you with servo style connectors with convenient pin functions:

- Black** Ground
- Red** +5V power for charging
- Yellow** Composite video out from camera

Please pay attention to different voltages when you are connecting this cable to your system.



**DO NOT CONNECT MORE THAN 6V TO POWER PIN!!!**  
**THIS WILL DAMAGE YOUR CAMERA**

You can charge GoPro camera from by connecting **5V** wire to RC receiver's 5V pin or other 5V source. You have to connect video connector's ground pin also to start charging.

Please take in to account additional 800mA used by GoPro when charging.

There are also alternative DIY pads to solder wires directly on board for **live video out, charging** and also **On/Off control** of GoPro camera.

You can turn On/Off\* camera by connecting together **GND** and **ON** pins. Connect for 0.5s to turn ON, 4s to turn OFF\*. You can also use RCCC multifunctional device to turn On/Off\* camera.

## Camera compatibility

\*Board has limited compatibility with GoPro HERO3 cameras:

	HERO 1	HERO 2	HERO 3 W	HERO 3 S,B
<b>Composite video out</b>	x	x	x	x
<b>Turn ON</b>	x	x	x	x
<b>Turn OFF</b>	x	x	x	-
<b>Charge</b>	x	x	x	x

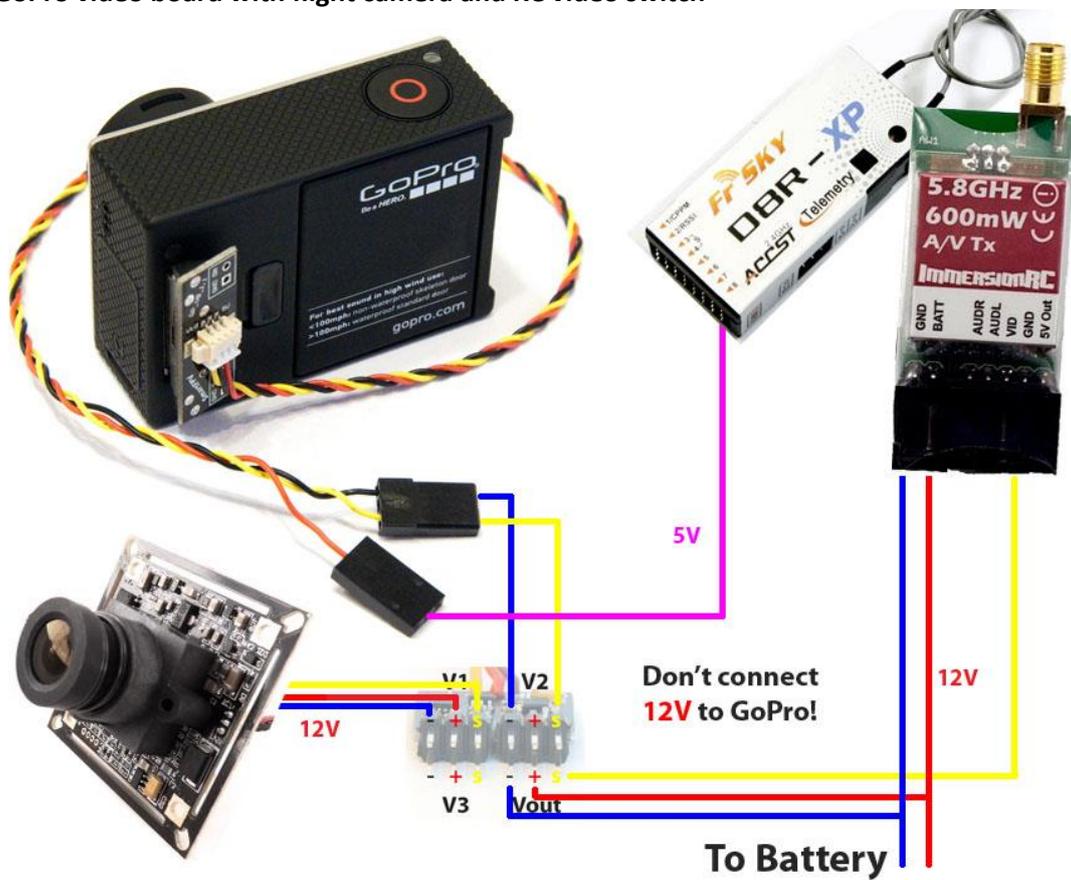
Camera must be upgraded to latest firmware!

If using board with GoPro HERO 2 camera new menu item appears where you can playback recorded videos through this boards video out.

## SAMPLE CONNECTION DIAGRAMS

Diagrams does not show connections not related to video or charge circuit such as RC channels etc.

Using GoPro video board with flight camera and RC video switch



Using DIY solder pins

