

Drift Ghost-S Quick Guide

Global Emergent Media Lab

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CAMERA INFORMATION

1080p Video (25 to 60fps)

960p Video (up to 60fps), 720p (up to 120fps), WVGA (up to 240fps)

12 Megapixel (or 8MP/5MP) Still Photo

12 Megapixel (or 8MP/5MP) Timelapse Mode (0.5 to 60 second intervals)

12 Megapixel (or 8MP/5MP) Burst Mode (Multiple Lengths of Burst/Amount)

160° (Super wide), 127° (Wide) or 90° (Normal) lens modes.

Over 3 hours of video recording/per battery.

Over 3 hours of time lapse/per battery.

CAMERA BASICS

Controls:

A. Menu Button (+Back/Tag)

B. Left Button (+Zoom Out)

C. Right Button (+Zoom In)

D. On Button/Record Button (+Next)

E. Mode and Recording Indicator

F. Back Hatch (Battery/Memory Card Access)

G. Display (Automatic Sleep Timer Default)

H. 300° Rotatable Camera Lens

(Turn in order to even out your framing without changing your camera mounting.)

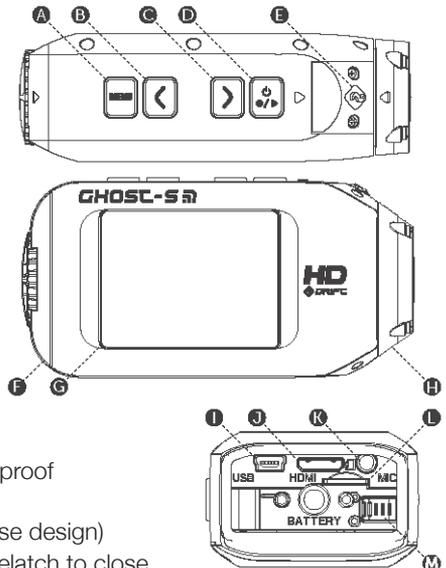
I. USB Connection

J. Mini HDMI Out (Cable not included)

K. Mic Input (3.5mm Jack, must use non waterproof alternate back hatch to access while in use.)

L. Micro SD Card Slot (Press in, press to release design)

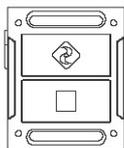
M. Battery Slot (Unlock the latch to open and relatch to close. Contacts of battery should be towards the SD Card Slot.)



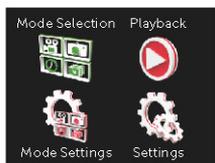
All of the functions of the Ghost-S are controlled via the buttons (A-D) on top of the device. Meanwhile the indicator (E) will display the active mode (varying constant colours) and whether the device is recording (flashing red.)

The On/Record Button will turn the device on or off (one beep for on, three beeps for off.) When the device is on, pressing this button will start a video recording/photo/etc.

The wireless wrist remote can also trigger and stop recordings when paired. In order to turn the wrist remote on and off, hold its record button until it flashes red. (THE WRIST REMOTE IS NOT WATERPROOF.) (This pairing can be accessed in the settings menu, see below.)



To change modes and settings press menu, then use the left and right buttons to navigate, with menu functioning as a “back” button and the power button as a “next or select” button.



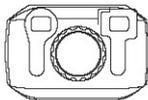
The menu contains the following 4 settings: Mode Selection, Playback, Mode Settings, Settings.

“Mode selection” changes the mode you are in, while “Mode settings” allows you to change the settings for the individual modes. (Note: Each mode has independent settings. I.E. changing one mode to low-light mode will not automatically change the others, settings must be set for each mode.)

“Playback” allows you to playback clips on the onboard LCD, “Settings” gives you access to some of the more technical features as well as allowing you to format the SD card.

The Indicator (E) will change color based on the mode you are currently in; Video (Green), Photo (Yellow), Timelapse (Purple) and Photo Burst (Cyan). It will pulse red when recording.

The Ghost-S is waterproof up to 3' of submersion without it's waterproof enclosure, as long as you are using the standard back. If you are using the connector back (see below) then it is not waterproof.



It features a unique rotatable lens system, so if you find your framing is not straight after mounting the camera, the lens can be turned up to 300° in order to correct your framing.

The camera has a 2" LCD screen. This screen will automatically turn off at a set interval (default is 20 seconds), this interval can be extended up to 5 minutes but the battery life will suffer.

To wake the screen press any button on the camera, this first press will not register as the usual function of the button. (i.e. if you hit the record button (D) to wake the screen it will not stop your recording, if you hit the back button (B) it will not zoom out, etc.)

MODE SETTINGS VIDEO MODE SETTINGS

The Ghost-S can record at 1080p and lower resolutions.

It is suggested you record in 1080p, with the "Bit Rate" setting set to High. "Bit Rate" is in the video mode settings. (This will generate a higher quality file, it will take up more space on the SD card, but you will still be able to record ~3 hours per memory card.)

The lower resolution settings allow you to access high frame rates, for slo-mo starting at 720p, but note that the video quality does decrease significantly.

The "Scene mode" setting here is important, with "Normal", "Vivid" and "Low Light". Normal and Vivid are fairly similar, but if you are in a low light situation then that setting will help the auto-exposure compensate. NOTE: The scene mode setting is INDEPENDENT for each capture mode, so if you switch from Video to Photo you will need to change that setting to match.

"Exposure" allows you to manually boost or lower the brightness that the camera's auto-exposure is aiming for. Turn it up and it will attempt to automatically adjust to a brighter picture than the default for the selected scene, down and it will do the opposite.

The Drift will record continuously for hours, however it will split the file it is recording every 4 gigs (roughly 25 minutes in 1080p.) When it does this the camera will beep. (It is possible to turn the indicator beep off in the “Settings” menu.)

PHOTO, TIMELAPSE AND BURST MODE SETTINGS

All of these modes work quite similarly and have similar settings.

All these modes allow you to change the resolution between 12MP, 8MP and 5MP. 12MP is pretty crisp, each following setting makes the resulting photos a bit more degraded.

In Photo and Timelapse modes there is no reason to change from the high quality 12MP. In burst mode changing to lower settings will enable longer bursts and/or more photos to be taken in the same amount of time.

All modes have the “Field of view” option, allowing you to select how wide you want your frame to be. 160° (Super Wide), 127° (Wide) and 90° (Standard) depending on how much you need to capture in your frame.

All modes have an exposure setting, which you can use in combination with the scene setting like with the Video Mode to affect brightness. (See Video Mode.)

All modes have a self-timer, allowing you to set a delay between when you hit record and when the recording starts.

All modes allow you to Select your “Scene mode”. (See Video Mode)

TIMELAPSE allows you to select the interval between the photos taken (0.5 seconds to 60 seconds.) Hitting record will start the timelapse, hitting it again will stop it from taking timelapse photos.

PHOTOBURST allows you to take multiple photos in a second or over a few seconds. At full quality (12MP) you are limited to a 1 second burst of 5 to 10 photos. At lower settings you can extend the length of the burst (at 8MP) or increase the number of photos in a second (at 5MP).

OFFLOADING FOOTAGE

In order to offload your footage from the Ghost-S; open the back hatch and remove the Micro-SD Card. Connect the card to the computer using the included micro-sd card reader in your kit. The files will be in the DCIM folder, ready to view or edit.