D-Series
D3, D5, D6 & D7
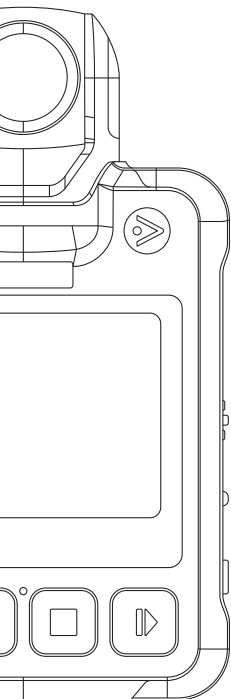With you on the front line

Quick Start Guide

V 2.0

> **REVEAL**
WITH YOU ON THE FRONT LINE

RVL800-000062
DSeries Quick Start Guide

> **REVEAL**

RVL800-000062 QSG V2.0
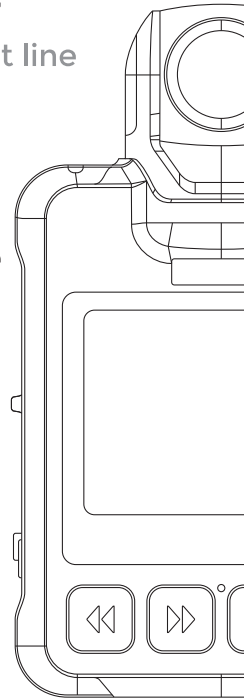
Introduction

Congratulations on purchasing the D-Series next generation body worn camera.

This quick start guide will show you the basics and get you up and running with your D-Series camera in 3 easy steps.

① Charge

Charge your camera for five hours until the LED indicator on the top of the unit lights green.

② Insert SIM card (optional)

Insert SIM card to enable 3G/4G connection (D7 only)

③ Mount

Choose how to mount your camera using either a Klick Fast stud or shirt clip.

④ Record

Slide the red switch down to start recording. To stop recording, slide the red switch up.

Quick start

① Charge

The USB charging and data connector is located at the bottom of the camera. Any standard USB wall charger can be used to charge the D-series with the USB cable supplied in the box.

D3/D5   **Waterproof micro USB connector**   **D6/D7**

Charge your camera until the LED indicator on top of the unit lights green. The D-Series takes approximately 5 hours with a fast charger. It will take longer to reach full charge using a standard charger.
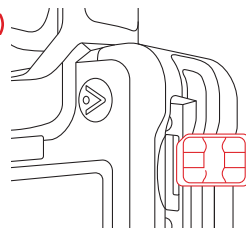
The D-Series can also be charged directly from the Reveal D-Series docking station for guaranteed fast charging.

② Insert SIM (D7 only)

First remove the two fixing screws from the SIM card cover using the tool provided.

Insert the SIM card as per the illustration.

Finally, fix the SIM card cover back in place.

Quick start

③ Choose your mount

The rear of the D-Series camera has a moulded groove slot for the attachment of mounting accessories.

The two mounting options are:
1. Screw in Klick Fast stud (pre-attached)
2. Shirt clip (supplied in the box)

Full details of the mounting options are given in the Mounting section at the back of this guide.

④ Record

To record video footage, simply slide down the red switch.

The D-Series will beep 3 times in quick succession to indicate it has started recording, and the LED on the shoulder of camera will start flashing red to indicate it is recording. A flashing red dot on the camera display will also indicate that the camera is recording.

NOTE: the D-Series does not need to be powered on to start recording. Simply slide down the red switch to start recording.

To stop recording, simply slide the red switch up.
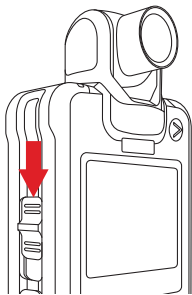
Basic operation
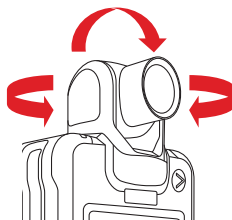
Camera articulation

The D-Series camera head is able to rotate horizontally and vertically within limits. However, **DO NOT OVER ROTATE!**

The D-Series camera head does not rotate 360 degrees. Forcing this will cause damage.

Power ON / OFF

Power ON the unit by pressing the **FUNCTION** button (**2**) for 1 second. The D-Series will sound a welcome chime, and open into preview mode.

In preview mode, you can orientate the camera head ready for recording, and view details on the camera display such as recording resolution, storage capacity, etc...

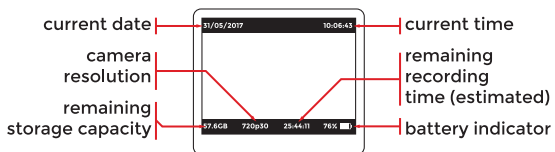Power OFF the unit by pressing and holding the same **FUNCTION** button for 2 seconds.

NOTE: the D-Series can also be powered up from the off position by sliding down red record slider (**1**). This action powers up the camera and starts recording immediately.
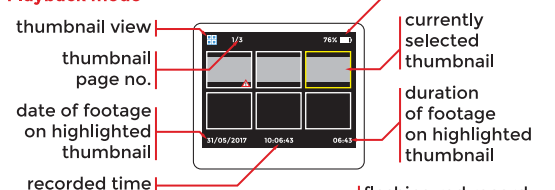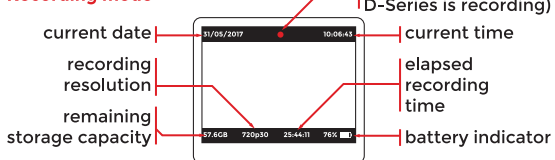
Basic operation

D-Series display indications

Preview mode

current date
camera resolution
remaining storage capacity

current time
remaining recording time (estimated)
battery indicator

Playback mode

thumbnail view
thumbnail page no.
date of footage on highlighted thumbnail
recorded time

battery indicator
currently selected thumbnail
duration of footage on highlighted thumbnail

Recording mode

current date
recording resolution
remaining storage capacity

flashing red record icon (signifying that D-Series is recording)
current time
elapsed recording time
battery indicator

Basic operation

Playback (on camera)

Press the **FUNCTION** button (**2**) to turn the camera on, and then press the **PLAY** button (**9**) to open the playback menu.

In the playback menu, any recorded video footage in the camera is shown as a thumbnail on the display screen.

Control buttons during playback

- Button **4** is the **Volume up** button.
- Button **5** is the **Volume down** button.
- Button **6** is the **Rewind** button.
- Button **7** is the **Fast Forward** button.
- Button **8** is the **Stop** button.
- Button **9** is the **Play** button.

In the playback menu, use buttons (**6**) and (**7**) to scroll and highlight thumbnails (highlighted with a yellow border), then press button (**9**) to playback footage on the D-Series camera.

During playback, the user can increase the volume by pressing button (**4**) or decrease the volume by pressing button (**5**).
The user can also rewind footage by pressing button (**6**), and fast forward by pressing button (**7**).

Additionally, both Rewind and Fast Forward speeds can be increased from 1x speed to 4x, 16x, and 64x by repeatedly pressing the buttons.
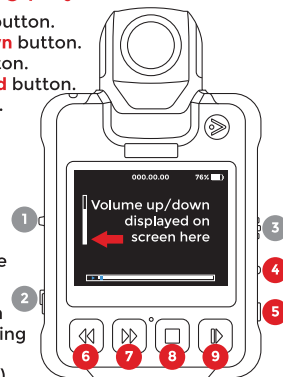
Basic operation

Exiting playback mode

Press the **FUNCTION** button to leave the playback menu and return to preview screen.

Press the **FUNCTION** button twice to exit the Enter Pin screen and return back to preview screen.

Mark as important

While recording, press the **FUNCTION** button (**2**) once to mark the video as important.

The symbol ⚠ will appear in the bottom right corner of the screen.

In the playback menu, select the desired thumbnail then press button (**8**) to mark video as important.

The symbol ⚠ will appear in the bottom right corner of the thumbnail.

Pressing the button again will unmark the video and remove the symbol.
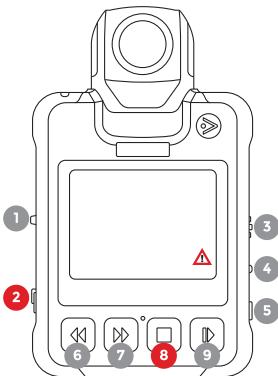
Basic operation

Stealth mode

In this mode, the D-Series displays no image on screen and the red LED is not lit. The D-Series appears off! There are no audio alarms except for the power on chime.

To activate stealth mode on the D-Series,

• Press and hold button (**4**) for TWO seconds.

• To deactivate stealth mode repeat the above step by pressing and holding button (**4**) for a further TWO seconds.
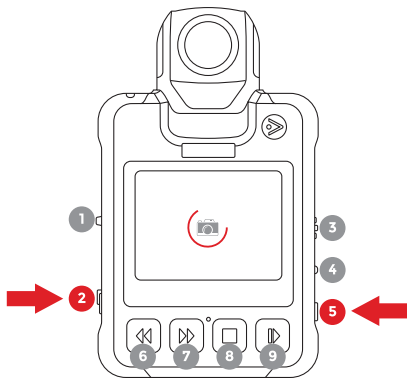
Activating or deactivating Stealth mode can be carried out whilst the camera is recording, or in preview mode.
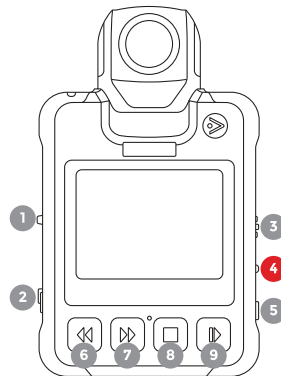
Basic operation

Picture taking mode

The D-Series can take still image photos when in either preview mode (i.e. not recording) or in pre-record mode (also not recording) by pressing the button (**2**) and button (**5**) simultaneously.

Press both buttons simultaneously

A picture will be taken and placed in the DCIM folder, and can be viewed in the playback menu by pressing the **PLAY** button and navigating to the appropriate thumbnail.

Basic operation

## Audio mute

Audio mute allows you to mute audio while recording video. The audio mute function can be set through DEMS 360 with a choice of three operating modes:

1. Allow manual mute
2. Do not allow manual mute
3. Always mute

Allow manual mute

Mute can be activated or deactivated directly on the camera. When in preview or record mode, a double press on button (**4**) toggles the camera audio mute on and off.
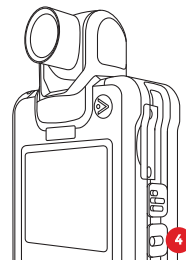
- An audio beep is heard (not heard on camera)
- An icon showing a muted microphone is displayed on screen.
- No audio is recorded

Double pressing the button (**4**) unmutes recording and icon disappears (audio beep is heard).

Do not allow manual mute

Mute facility cannot be activated through the button on the device.

Always mute

When in power up (preview) or record audio is always muted.

Camera settings

Through DEMS 360

DEMS 360 is Reveal's industry leading digital evidence management platform built to securely store, manage and export digital evidence, large or small, whilst always remaining incredibly simple and easy to use.

In the DEMS 360 **ADMINISTRATION** window select the **CAMERA SETTINGS** tab.
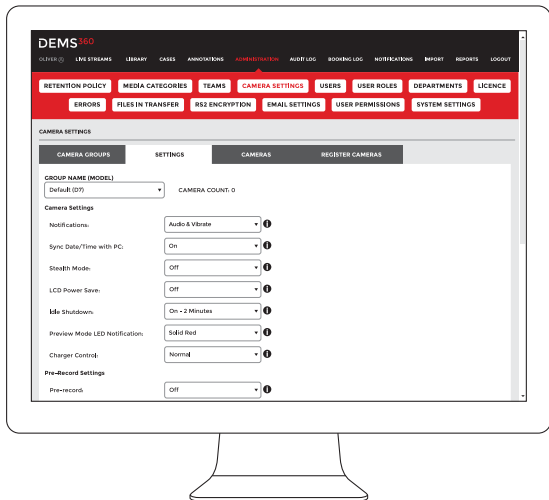
Camera settings

DEMS 360 adminstration

Camera Settings

Notifications:	Audio & Vibrate ▾ ❶
Sync Date/Time with PC:	On ▾ ❶
Stealth Mode:	Off ▾ ❶
LCD Power Save:	Off ▾ ❶
Idle Shutdown:	On - 2 Minutes ▾ ❶
Preview Mode LED Notification:	Solid Red ▾ ❶
Charger Control:	Normal ▾ ❶

Pre-Record Settings

Pre-record:	Off ▾ ❶
Pre-record Mute:	Off ▾ ❶

Recording Settings

Resolution:	1280x720/30F ▾ ❶
Video Quality:	High ▾ ❶
Audio Mute:	Never ▾ ❶
Upper Left Data:	Camera ID ▾ ❶
Upper Right Data:	User ID ▾ ❶
Lower Left Data:	Off ▾ ❶
Date/Time Stamp (Lower Right):	On ▾ ❶

SAVE CHANGES   CANCEL   RESTORE DEFAULT SETTINGS
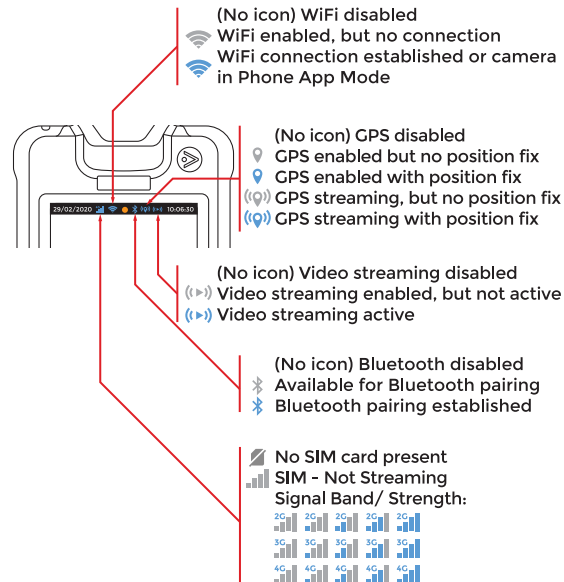
Advanced operation

LED light notification

LED
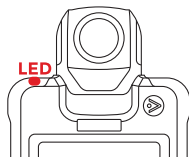
Operation	
Solid red	Power on
Flashing red	Recording
Solid orange	Pre-Recording
Flashing green or blue (every 10 secs)	Trigger Mode
Purple	Connected (Wi-Fi or 3G/4G)
White	Camera error reporting
Charging	
Solid blue light	Charging
Solid green light	Fully charged
Connected to DEMS 360	
Flashing orange	Uploading
Flashing red	Files deleting
Flashing blue	Charging (Not Booked Out)
Solid blue	Charging (Booked Out or Personal Issue)
Flashing green	Fully charged (Not Booked Out)
Solid green	Fully charged (Booked Out or Personal Issue)
Cycling red/orange/green	Firmware updating

NOTE: for some notifications the LED will flash alternate colours depending on the camera state.

Advanced operation

Connectivity Icons

(No icon) WiFi disabled
WiFi enabled, but no connection
WiFi connection established or camera in Phone App Mode

(No icon) GPS disabled
GPS enabled but no position fix
GPS enabled with position fix
GPS streaming, but no position fix
GPS streaming with position fix

(No icon) Video streaming disabled
Video streaming enabled, but not active
Video streaming active

(No icon) Bluetooth disabled
Available for Bluetooth pairing
Bluetooth pairing established

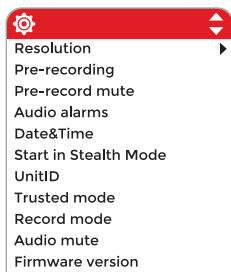No SIM card present
SIM - Not Streaming
Signal Band/ Strength:

NOTE: LED light notification and connectivity icons vary between camera models depending on support for GPS, WiFi, Bluetooth and 3G/4G.

Optional camera settings

Viewing camera settings

⚙
Resolution ▸
Pre-recording
Pre-record mute
Audio alarms
Date&Time
Start in Stealth Mode
UnitID
Trusted mode
Record mode
Audio mute
Firmware version

The D-Series allows you to view the settings currently active in the camera. Press the **MENU** button (**3**) to display the menu list of settings currently set in the camera.

To move up or down on menu items press buttons (**6**) or (**7**) respectively.

To expand on a menu item to check status, press button (**3**).

To collapse back to menu items only, press button (**2**).

To exit the menu display, press the **FUNCTION** button (**2**) to return back to main camera view.

NOTE: menu items cannot be set directly from the camera, and must be set using DEMS 360.
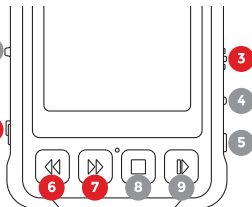
Camera reset

Should a reset be required, simply hold down the **FUNCTION** button (**2**) for 12 seconds.

If the camera is on it will power down, continue to hold the **FUNCTION** button for 12 seconds.

When the **FUNCTION** button is released, the LED will illuminate blue for 1 second to confirm the reset.

The camera can then be powered on as usual.

Optional camera settings

Connection mode

The D-series connectivity features vary by camera model and can be accessed via the Connection Mode Menu.

• Hold down the transmit button (**5**) to access the menu.
• Press transmit button (**5**) to cycle through the menu.
• Hold down the transmit button (**5**) to select a mode.

⚙ CONNECTION MODE
WiFi & 3G/4G OFF
Phone App
Stream - **WIFI**
Stream - 3G/4G
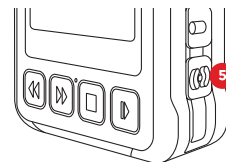
A double press of the transmit button (**5**) acts as a shortcut to start/stop streaming - DEMS 360 Camera Settings determines which connection method is used.

Option	Description
WiFi & 3G/4G OFF	Connectivity is disabled,
Phone App	Wi-Fi is ON in Access Point mode allowing a client device to connect.
Stream - WIFI	Wi-Fi is ON in Client mode allowing to connection to an access point for secure streaming.
Stream - 3G/4G	3G/4G is used for secure streaming.

Please note that Wi-Fi standards vary worldwide and your camera must be configured to the correct Geographical location using DEMS 360 Wi-Fi settings.

Mounting accessories

Klick Fast stud

The D-Series camera is supplied with a screw-in Klick Fast stud attached.

Also supplied is a small tool to assist attachment and removal of the Klick Fast stud.
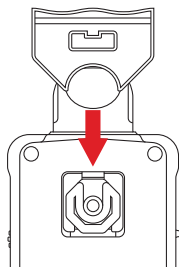
Klick Fast mount
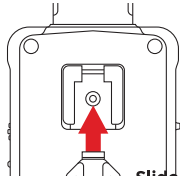
Attachment/Removal tool

Stud Removal with tool

First remove the fixing screw, then use the tool to remove the stud, placing the tool above the Klick Fast and pushing downwards to release the stud.
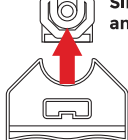
NOTE: If the Klick Fast stud is not required do not reinsert the screw after stud removal.

Remove Klick Fast using tool

Stud re-attachment with tool

Simply align the tool with the Klick Fast stud and the groove on rear of the camera and push upward to click stud into place. Then fix into place with the screw.

Slide into groove and click to place

Attach Klick Fast using tool

Mounting accessories

Klick Fast stud attach & removal without tool

The Klick Fast stud may also be attached by pushing the clip into place without using the tool.

However, the removal of the Klick Fast stud without the tool requires a flat head screwdriver in order to lever up the clip tongue, before gently sliding the stud downwards.
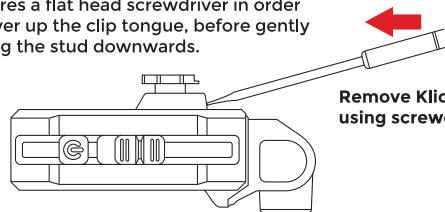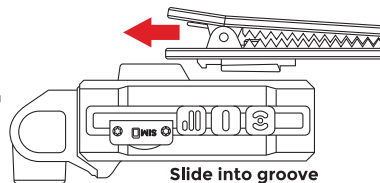
Remove Klick Fast using screwdriver

Shirt clip attachment

The D-Series camera is supplied with a shirt clip in the box.

To attach the shirt clip, simply align the attachment to the rear groove on the D-Series and slide and clip, as per diagrams in the right.

Slide into groove and click to place

Shirt clip removal

To remove the shirt clip, first rotate the clip 90 degrees, then use a flat head screwdriver to lever up the clip tongue before gently sliding the clip downwards.

Mounting with Klick Fast
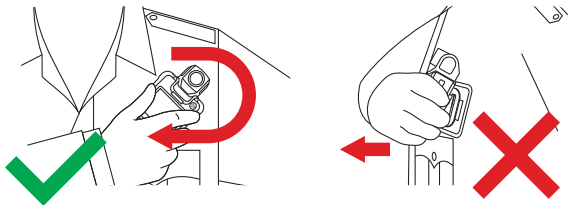
Attachment to Klick Fast mount

With the camera in an upright position, insert the Klick Fast stud into the slot of the Klick Fast Mount and push down until the camera clicks into position.
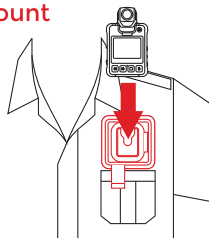
Removal from Klick Fast mount

To remove the camera, rotate 180° clockwise or anticlockwise until the camera is upside down.

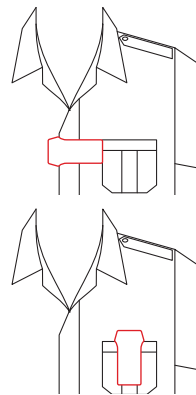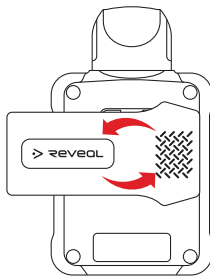Then, pull upwards to remove the camera.

Do not attempt to remove the camera from the Klick Fast mount without rotating first. Failure to rotate the camera will cause damage to the camera or mount.
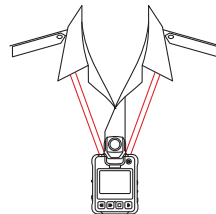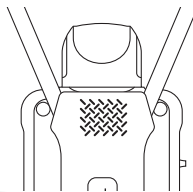
Mounting with shirt clip & lanyard

Shirt clip

The shirt clip can be rotated in increments of 90 degrees allowing attachment to a pocket, belt, shirt etc.
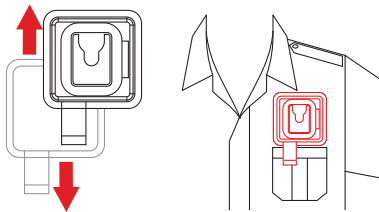
Shirt clip with lanyard

The shirt clip has two holes on at the top allowing it to be used with the lanyard (also supplied in the box) allowing the camera to be worn around the neck.

Optional mounting accessories
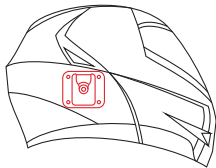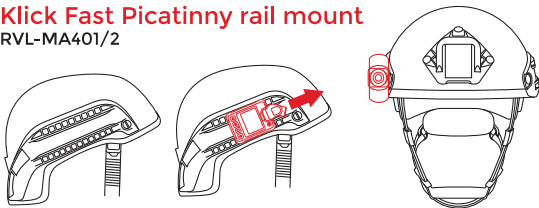
Klick Fast mount - magnetic
RVL-MT152

Klick Fast mount - helmet (adhesive)
RVL-MT146

Klick Fast Picatinny rail mount
RVL-MA401/2

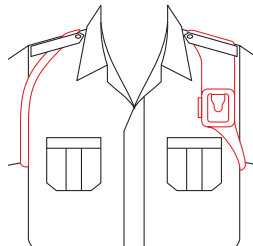# Optional mounting accessories

Klick Fast epaulette mount
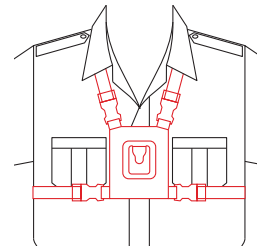RVL-MT120

Klick Fast shoulder mount
RVL-MT122

Klick Fast shoulder harness
RVL-MT110

Klick Fast chest harness
RVL-MT130

Battery Safety and Storage

Battery safety

Reveal's body cameras use lithium Ion batteries which are common in most portable devices such as radios and mobile phones. Reveal's cameras are safety tested with the appropriate certification.

Damage to a lithium Ion battery can cause excessive heat build-up often associated by an audible "hissing" sound, smoke and, in extreme cases, combustion. The D-Series casing provides a significant degree of battery protection, however, if the case becomes punctured or crushed by excessive forces, then there is a risk of battery damage. Therefore, we recommend that the user of cameras performs a risk assessment as to the role of the wearer and likelihood of excessive trauma to the camera.

If a camera becomes excessively hot or emits any unusual sounds or smoke then:
• Immediately detach the camera and place in a safe area.
• Do not charge the camera.
• Contact Reveal Support.

Storage

Store in dry place, away from direct sunlight and sources of heat, at a temperature between -10°C and 45°C (14°F to 113°F).

Lithium ion battery discharge naturally over extended periods of time and if not charged for prolonged periods of time, may deteriorate resulting in reduced performance and failure.

If your D-Series camera is kept in long-term storage it should be charged to at least 50% of full charge every six months. Your warranty may be invalidated if you fail to recharge your battery regularly or to follow other instructions for the storage, installation, commissioning, use or maintenance of the camera.

Reduction of hazardous substances

This product is compliant with the EU Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Regulation (Regulation No 1907/2006/EC) and the EU Restriction of Hazardous Substances (RoHS) Directive (Directive 2011/65/EU).

Radio Equipment Directive (RED)

The D-Series product is compliant with the requirements of the Radio Equipment Directive (2014/53/EU).

Product conformance

How to recycle your equipment

The symbol shown here and on the packaging means that the product is classed as electrical or electronic equipment, so DO NOT put it in your normal garbage bin.

It's all part of the Waste Electrical and Electronic Equipment (WEEE) directive to recycle products in the best way, and get rid of dangerous things more safely.

You should contact your retailer, supplier, or local city office for advice on how to dispose of this product in an environmentally friendly way.

FCC statement

The D-Series complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

The D-Series has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
• Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Statement
To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 5mm the radiator your body. This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Technical specifications

Dimensions	D3 & D5: H: 100mm W: 60mm D: 26mm D6 & D7: H: 106mm W: 63mm D: 28mm
LCD display	2.0" 4x3 262K colors (960x240 pixels), with dimmable backlight
Field of View	110 Degrees (Horizontal), 50 Degrees (Vertical)
Notifications	Haptic feedback, Audio
Weight	D3 & D5: Max 155g D6 & D7: Max 200g
Camera head	Total horizontal rotation: 305° Left rotation: 105° Right rotation: 200° Total vertical rotation: 174°
Buttons	One record button with mechanical click on activation, One Power (Evidence / Back / Reset) button. Three side buttons (for Menus and Mute). Four front facing buttons (for Stop, Play, Rewind and Fast forward).
Power/Data	MicroUSB connector: Waterproof with metal shield for damage prevention
3G/4G **(D7 only)**	LTE FDD: B1/B3/B5/B7/B8/B20 LTE TDD: B38/B40/B41 WCDMA: B1/B5/B8
Wi-Fi **(D5, D6 & D7)**	802.11 (A/B/G/N) 2.4GHz and 5.8GHz
Bluetooth **(D5, D6 & D7)**	BLE 4.0
GNSS (D6, D7)	Galileo, GPS

Technical specifications

Battery type	Lithium Polymer
Battery life	480p: up to 12hrs 720p: up to 11hrs 1080p: up to 10hrs
Battery charge time **(from flat)**	5 hours (using Reveal dock or 2 Amp charger)
Still picture capture	JPEG
Recording Resolutions	480p / 720p / 1080p
Streaming **(D5, D6 & D7)**	D5: 480p @500Kbps D6 & D7: 480p @500Kbps / 480p @1Mbps 720p @1.5Mbps / 720p @2.5Mbps
Recording Formats	MPEG-4 (video codec H.264)
Storage capacity **(Non-removable)**	D3 & D6: 32GB D5 & D7: 64GB
Encryption	AES 256 Encryption
Temperature range	Storage: -10°C to 45°C (14°F to 113°F) Operating: -10°C to 45°C (14°F to 113°F) Charging: +10°C to 45°C (50°F to 113°F)

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