

THINKWARE

THINKWARE DASH CAM Q800 PRO

The Vivid Envision

1440p Quad HD - Full HD 2CH | Super Night Vision 2.0 | THINKWARE CLOUD 2.0 Beta | Energy Saving Mode | Time Lapse | Safety Camera Alert | Road Safety Warning System (LDWS, FCWS, uFCWS, FVDW) | 140° Wide Angle (Front & Rear) | Advanced Video Clear Technology | Built-in Wi-Fi | Built-in GPS | Format Free 2.0 | Mobile APP (Android/iOS) | Windows/Mac Viewer



Features

VIVID IMAGE CAPTURING AT 1440P QHD RESOLUTION

Capturing 4 times more clarity than HD resolution, the Q800 PRO illustrates 1440p QHD front and 1080p FHD rear recording during both day and night.



SUPER NIGHT VISION 2.0

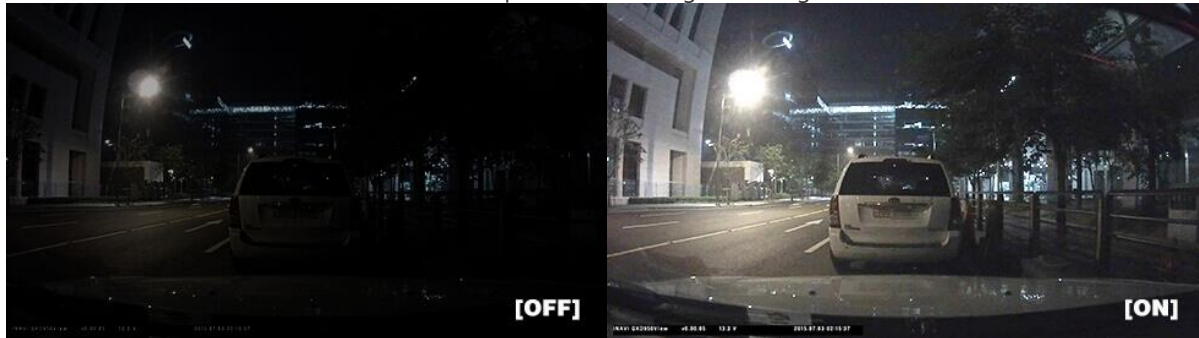
DASH CAM videos recorded in a low-light environment, such as dark alleys or parking lots, may not be clearly identifiable.

SUPER NIGHT VISION2.0 in the Q800 PRO uses Image Signal Processing (ISP) technology to record a clear, visible video in any situation- while driving or parked.

- Comparison of Driving Recordings



- Comparison of Parking Recordings



SONY EXMOR R STARVIS IMAGE SENSOR

Perfect image processing even in low-light environments

The Sony Exmor R STARVIS Image Sensor applied to the Q800 PRO provides rich colors and the optimal resolution.

STARVIS technology improves Exmor R's low light sensitivity by providing optimal image quality in visible ray and near-infrared range, allowing clear imaging in low light environments.

SONY STARVIS

Live View

* Q800 PRO on Continuous Driving Mode Only

Watch what is happening in real-time.

Monitor your vehicle with your smartphone, no matter where you are.

Live Resolution: 768x452p @15fps



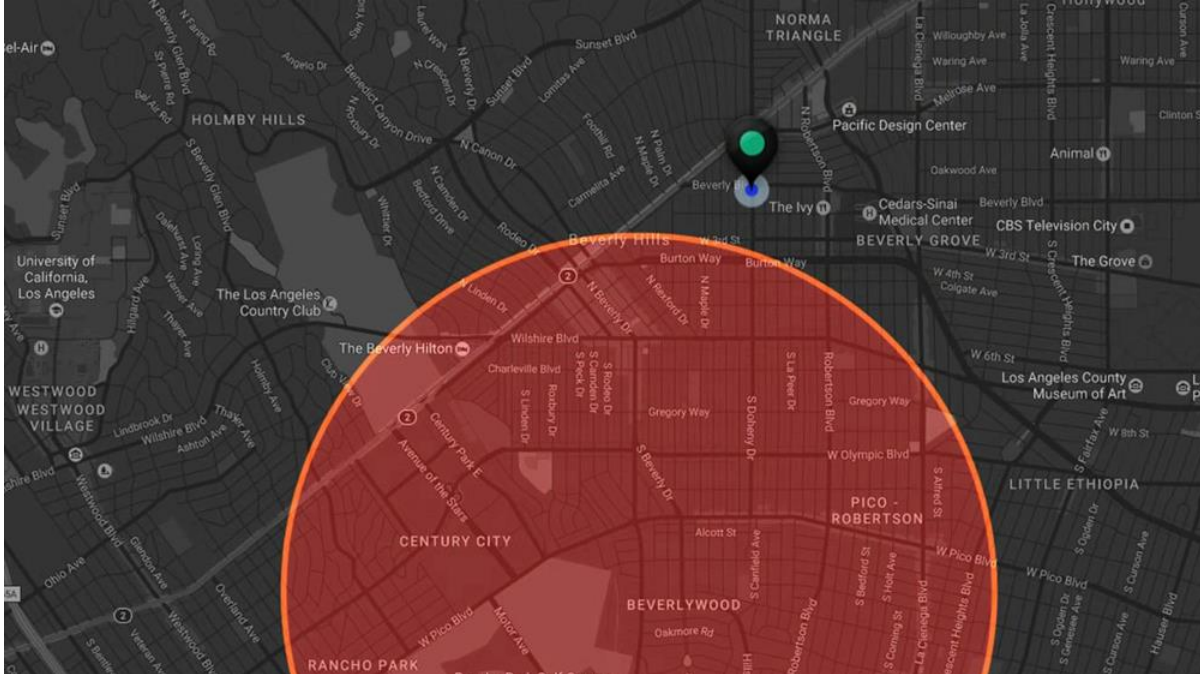
* Live View: Up to 300 minutes per month. (Reset on every 1st day of the month)

·THINKWARE CLOUD uses your smartphone's data connection to send and receive notifications. Carrier charges may apply

·Mobile Hotspot connectivity with a Data Plan will be required to use the THINKWARE CLOUD features.

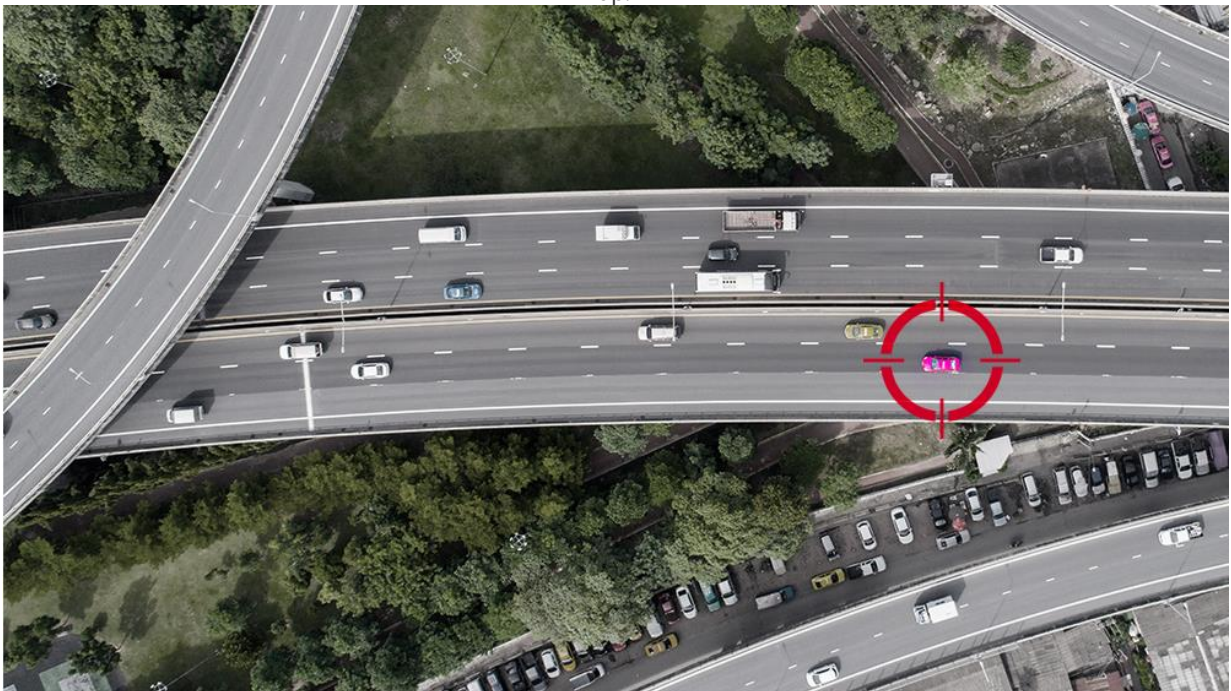
Geo Fencing

Geo Fencing allow drivers to stay alert of vehicle location. Whether your vehicle goes in/out side of a certain radical area, Q800 PRO will send you push notification through mobile app, THINKWARE CLOUD. This is more practical for the parents, rental companies, and for fleet management. The radius can be set by typing the address or by using pin point on the mobile app. You may set 20 different radical area with the size from 100m up to 600km.



Locate Vehicle

Locate Vehicle will help drivers to find the vehicle's current location. Q800 PRO will update its current location in every 10 seconds. Then it will display current location with speed and the heading direction integrated on google map.



Strong Impact Notification

In the event of a crash, the alert feature can help the driver to notify others of an emergency situation when the driver is not in the condition to do so. The family or the owner of the car can then remotely check on the situation from their location.

When the car experiences an impact with a g-force level greater than 3g or 4g while driving, the dash cam will automatically send a push notification alert of the impact to the user's smartphone logged in to the THINKWARE CLOUD app. A 20 seconds video of the incident (10 seconds before and after the incident) is also saved on the THINKWARE CLOUD server, and a push notification alert of the video is sent to the user, which can be checked later and downloaded from the app.



*Strong Impact Notification Video: Up to 100 downloads per month (Reset on every 1st day of the month)

** No new videos can be recorded while saving the 20 seconds of first impact file.

*** If a second or third impact is detected, an additional push notification alert of the impact is sent to the user's smartphone.

And if those impacts are within 10 seconds from the first impact, it can be seen in the remaining seconds of the first impact file

(e.g. If, a second impact is detected 2 seconds from the first impact, 8 seconds are the duration of the second impact video).

**** Capacity per user: 520MB – Strong impact videos of 50MB will be uploaded. (10 uploads for 1CH or 5 uploads for 2CH)

***** When the capacity is exceeded: The oldest files are deleted and overwritten with the new videos.

***** The service behaviour and the transmission may vary depending on the server environment and your mobile data.

Energy Saving Parking Recording

Energy saving parking recording will reduce power consumption by 1/3 less and gives 3x longer video recording than normal parking mode.

When you are away for a vacation or leaving your car for quite some time, energy saving parking recording is a recommended solution.

When in use, Q800 PRO will go to sleep and soon after an impact has been detection by built-in G-senor, Q800 PRO will wake up within a second and start recording for next 20 seconds of period.



TIME LAPSE

Important clips and images may get deleted due to insufficient memory space during long continuous recordings, especially in standard parking recording mode which requires large memory for saving 15 to 30 frames per second.



TIME LAPSE MODE in the Q800 PRO records 2 frame per second reducing the size of the video file. This allows video recordings in parking mode to continue up to 16 times longer than other dash cams. parking recording mode can be activated upon installing the Q800 PRO with the hardwiring cable provided.

Road Safety Warning System

The THINKWARE DASH CAM Q800 PRO's internal GPS provides accurate location information while the Safety Camera Alert function is on continuous alert to warn the driver of red lights and traffic enforcement cameras. Cultivate safe driving habits with THINKWARE DASH CAM.



RED LIGHT



SPEED CAMERA



RED LIGHT & SPEED CAMERA



AVERAGE SPEED



MOBILE ZONE

Road Safety Warning System

The THINKWARE DASH CAM Q800 PRO is equipped with the Lane Departure Warning System (LDWS), Front Collision Warning System (FCWS), Urban Front Collision Warning System(uFCWS) and Front Vehicle Departure Warning (FVDW) to ensure driver safety with a voice warning.

Lane Departure Warning System (LDWS)

Drowsy or distracted driving greatly increases the chance of an accident on the road.

The Lane Departure Warning System will alert the driver when the vehicle goes off lane in a speed over 50 km/h.



High Speed / Urban Forward Collision Warning System (FCWS/ uFCWS)

Accidents can be avoided by maintaining a safe following distance. Road Safety Warning System in the Q800 PRO calculates

the real-time distance between your vehicle and the vehicle in front of you, while driving above 30 km/h in expressways

or under 30 km/h in a busy city, and issues a 3-level early warning to the driver depending on the danger of collision.



Front Vehicle Departure Warning (FVDW)

When your car is stopped at an intersection or in traffic, the intelligent guidance system informs you that the vehicle in front has started to move, preventing a delayed response just in case you stop looking ahead.



Video Enhancement Technology

State of the Art

Video Enhancement Technology

THINKWARE DASH CAMs are equipped with top-notch video enhancement technology on the market, ensuring the most vivid video recordings under any circumstance.

WIDE DYNAMIC RANGE



When you are driving under bright sunlight, coming out of a tunnel, or getting under the shadow of a tall building etc,

a sudden change in frontal light exposure levels can result in excessively bright or dark recordings.

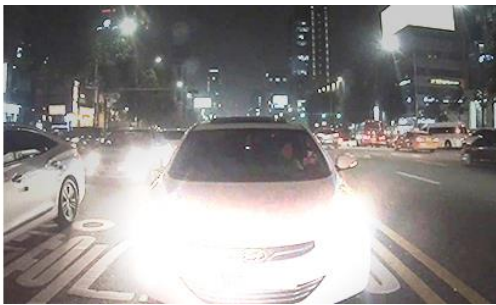
The WDR function eliminates excessively bright spots on the recording to correct its color balance in order to ensure a clear image.

NIGHTTIME PICTURE QUALITY CORRECTION



Images from the videos recorded during night-time driving on dark streets are generally difficult to make out. The enhancement Sensors of THINKWARE DASH CAMs come with a standard function of brightness and colour control as well as noise cancellation.

AUTOMATIC EXPOSURE



A sudden rise of light exposure caused by strong sunlight or headlight beams of oncoming vehicle may cause difficulties to assess the situation. Also, lack of lighting in a dark tunnel or night driving may pose the same problem.

The automatic light exposure function controls the level of light exposure to maintain vivid and clear video recordings in all circumstances.

Recording Modes & Viewer Program

Various Autonomous Recording Modes



Continuous Recording Mode

This mode is activated automatically when you start the car. Recorded videos are saved in one-minute segments with an auto-looping mechanism.



Incident Recording Mode

The Active Impact Monitoring System will automatically store the video data ten seconds prior to and after a collision registered by the 3-axis G-Sensor.



Manual Recording Mode

Similar to a video camera, you can use the Manual Recording Mode to capture events that occur in front of your vehicle whether or not it is in motion.

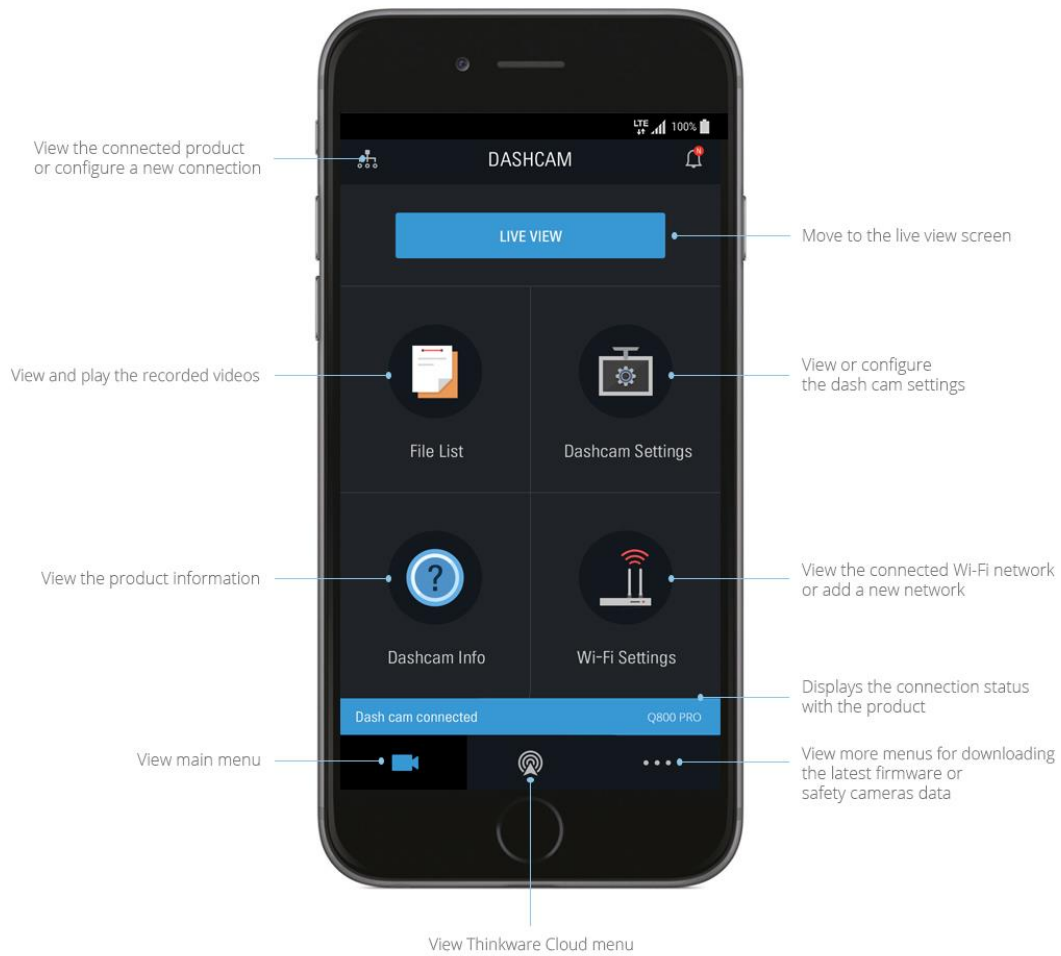


Energy Saving Mode

The dash cam will go to sleep and soon after an impact has been detected by built-in G-sensor, Q800 PRO will wake up within a second and start recording for next 20 seconds of period.

Check recorded images and update firmware using smartphones

Your smartphone and the Q800 PRO can be connected via the exclusive application 'THINKWARE DASH CAM Mobile Viewer for Q800 PRO' with built-in Wi-Fi in the navigation. Check, download or delete recorded images, update firmware or update safe driving information on the application.



Viewer for Checking Clear Precise Video

The intuitive and simple-to-use interface of THINKWARE DASH CAM allows you an easy and convenient viewing of your recorded videos.

Through PC or Mac viewer, you can playback and download recorded videos along with your route history and speed record.

You can also change the dash cam settings, format the memory card, or install updates with just a few clicks on the viewer.

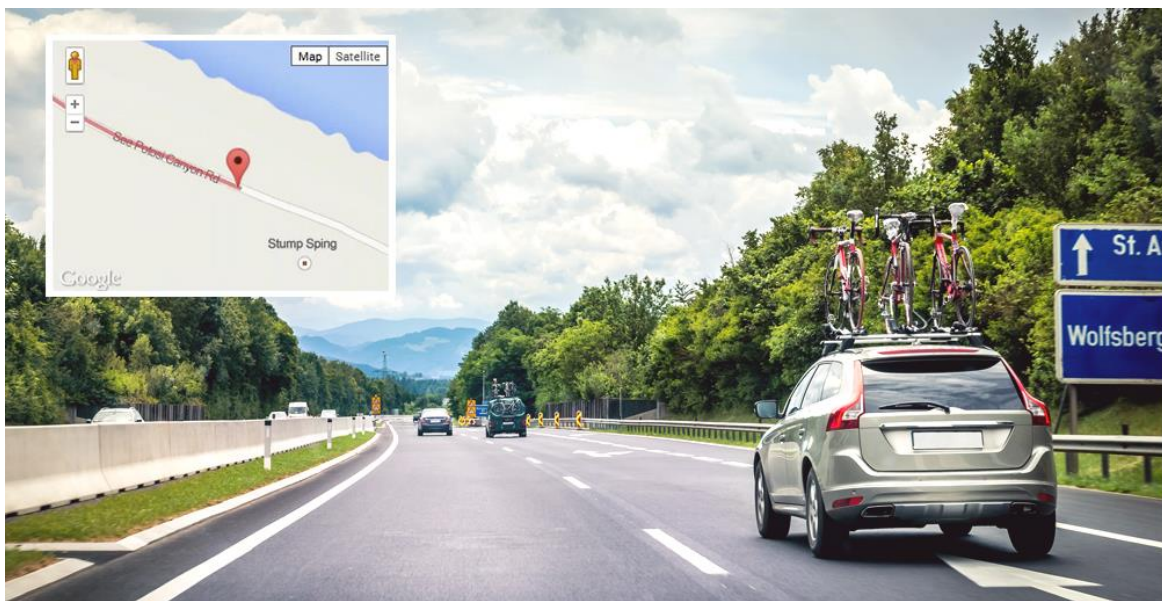


Driving Data Through Built-In GPS

Using the GPS data in Q800 PRO, it can precisely pinpoint the vehicle's location and routes with its driving speed on the map.

The GPS helps you accurately assess the status of the accident by providing you with the vehicle speed, the direction of the collision and the severity of impact. The DASH CAM not only records driving footage but can also be used to track and recall past driving routes whether it be work or holiday routes.

*The Q800 PRO comes with built-in GPS



High-temperature Protection System

The specially designed heat discharge construction and the built-in thermal sensor of the Q800 PRO protect the device and its data against intense heat by automatically turning it off to prevent overheating.



SPECIFICATIONS



GENERAL SPECIFICATIONS

	General Specifications	
Dimension	107 x 60.5 x 32.5 mm (4.2 * 2.4 * 1.18 in)	Weight 104.5g (0.23 lbs)
Package Contents	Main dash cam unit, Mount with 3M tape (1ea), Cigar jack cable, Adhesive cable holder (3ea), MicroSD memory card with adapter (consumable), Quick Start Guide/Warranty Card	
	Detailed Specifications	
Camera	Front:Sony Exmor R CMOS 5.14M IMX 335 Rear(Optional):Sony Exmor R CMOS 2.13M IMX291	
Resolution	Front Quad HD (2560x1440p), Rear(Optional): Full HD(1920x1080p)	
Capacity	Micro SD Card 16GB / 32GB / 64GB / 128GB UHS-I	
Recording Modes	Continuous Recording, Incident Recording, Manual Recording, Energy Saving Recording, Audio Recording	
Sensor	3-Axis Accelerometer G-Sensor (3D, ±3G)	
GPS	Built-in GPS	
Wi-Fi	Built-in Wi-Fi	
Power	Input Power: DC 12/24V	
ETC	Security LED / Operation Status LED/ GPS Receiver LED/ Wi-Fi LED	

