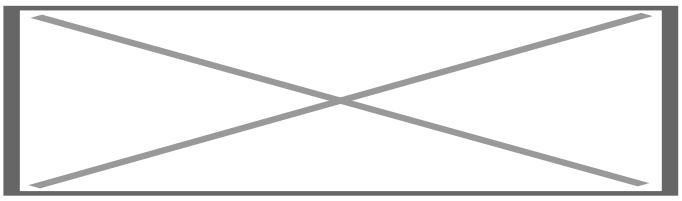
Thinkware U1000 PRO_2CH_64GB_Hardwire

Art. Nr: TW-U1000-2CH



DESCRIPTION

General

The U1000 is Thinkware’s newest flagship model that delivers sharp native 4K video quality and boasts a comprehensive driver assistance warning system to help keep drivers safe on the road.
Utilizing the Super Night Vision technology, the U1000 is capable of recording impressive videos in low-light environments such as dark backcountry roads and dim parking lots. The video resolution can also be downgraded from 4K at 30fps down to 2K at 60fps for smoother videos and making licence plate reading a breeze.

Install the U1000 with the included CPL filter, 2K QHD rear view camera and hardwiring cable for complete, best-in-class 24/7 all-round protection.

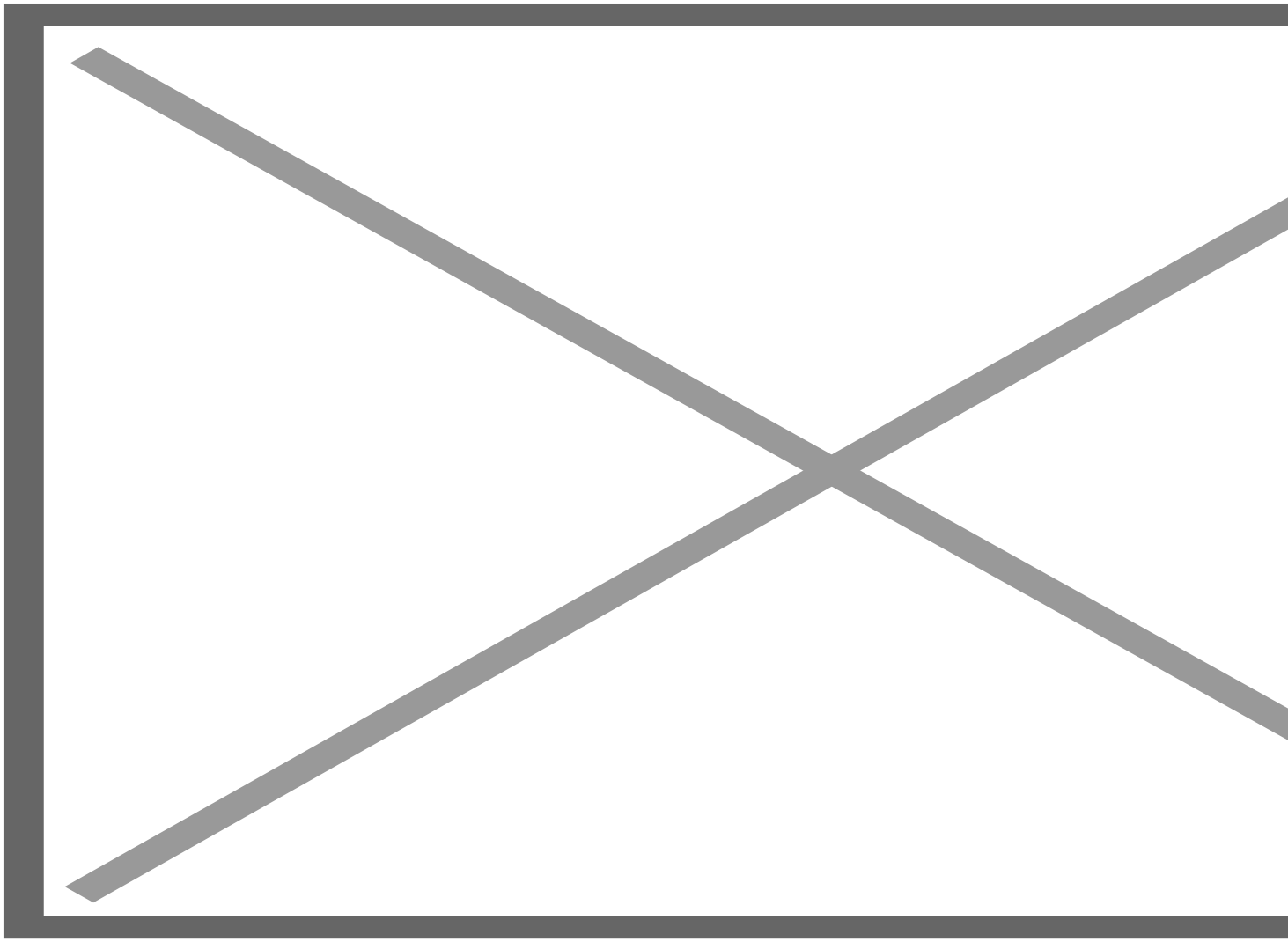
Connect this device to your iOS or Android smartphone via Wi-Fi by heading to the App Store or Google Play store and downloading the app.

Features

- 4K UHD (3840 X 2160) @30fps or 2K QHD (2560 X 1440) @60fps
- 8.42MP Sony STARVIS
- 150° Wide Viewing Angle
- Super Night Vision 2.0 (Driving/ Parking Mode)
- Advanced Video Clear Technology
- Supercapacitor
- Integrated Thermal Protection
- Anti-File Corruption
- Parking Mode (Motion & Impact Detection, Time Lapse and Energy Saving Mode)*

- Time Lapse (Record @2fps/Playback @10fps)*
- Road Safety Warning System (LDWS/FCWS/uFCWS/FVDW)
- Built-In GPS
- Safety Camera Alert (Speed Camera & Red Light Camera)
- GPS Port for External GPS Antenna
- Built-In Wi-Fi
- Mobile App (iOS & Android)
- PC Viewer (Windows & Mac OS)
- THINKWARE CLOUD (Locate Vehicle, Driving Impact Notification, Geo-Fencing and Remote Live View)**
- Supports MicroSD Cards up to 256GB

*Requires Hardwiring Cable or OBD II Power Cable and installation for Parking Surveillance mode (professional installation recommended)
**THINKWARE CONNECTED uses your smartphone’s or mobile hotspot device’s internet connection to send and receive notifications. Carrier charges may apply.



IMAGE

HIGH VIDEO QUALITY

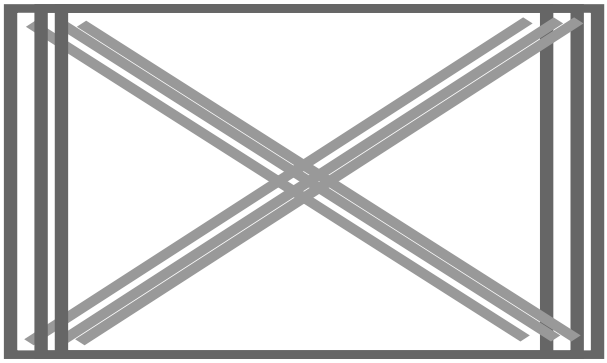
Vivid Image capturing at 1440P QHD resolution. Capturing 4times more clarity than HD resolution, the Q1000 illustrates 1440p QHD front and rear
recording during both day and night.

WIDE ANGLE VIEW

Front View Camera – 150º

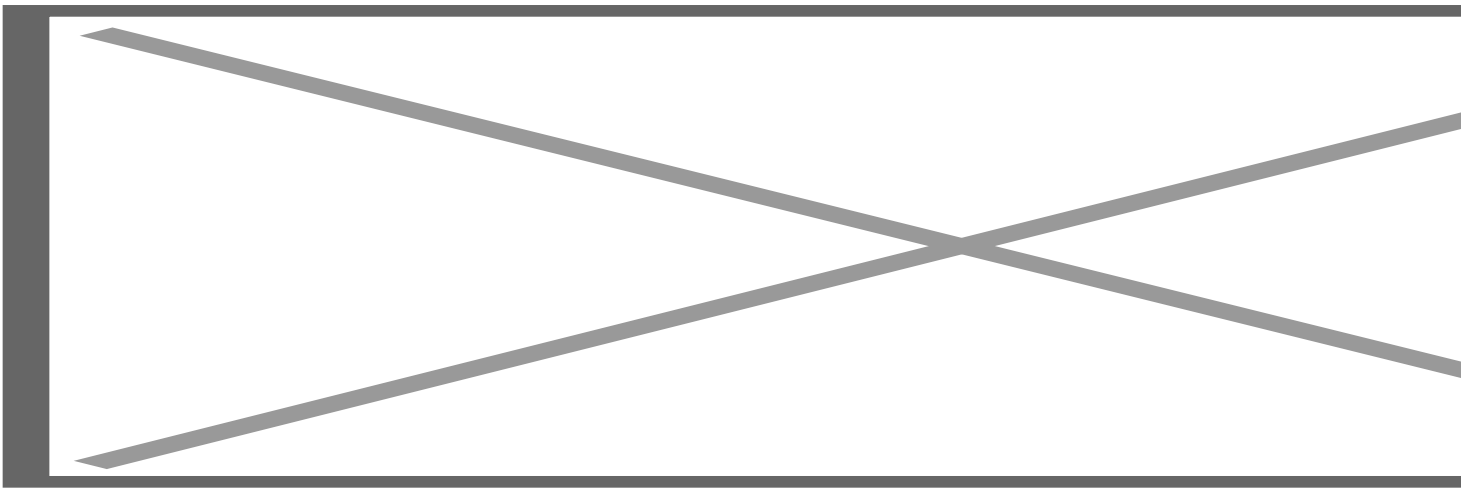
Rear View Camera – 156º

Get uncompromised video coverage with a 150-degree wide-angle view. Dewarping technology ensures that edge distortions typically occurring in footage filmed with a wide-angle are kept to a minimum.



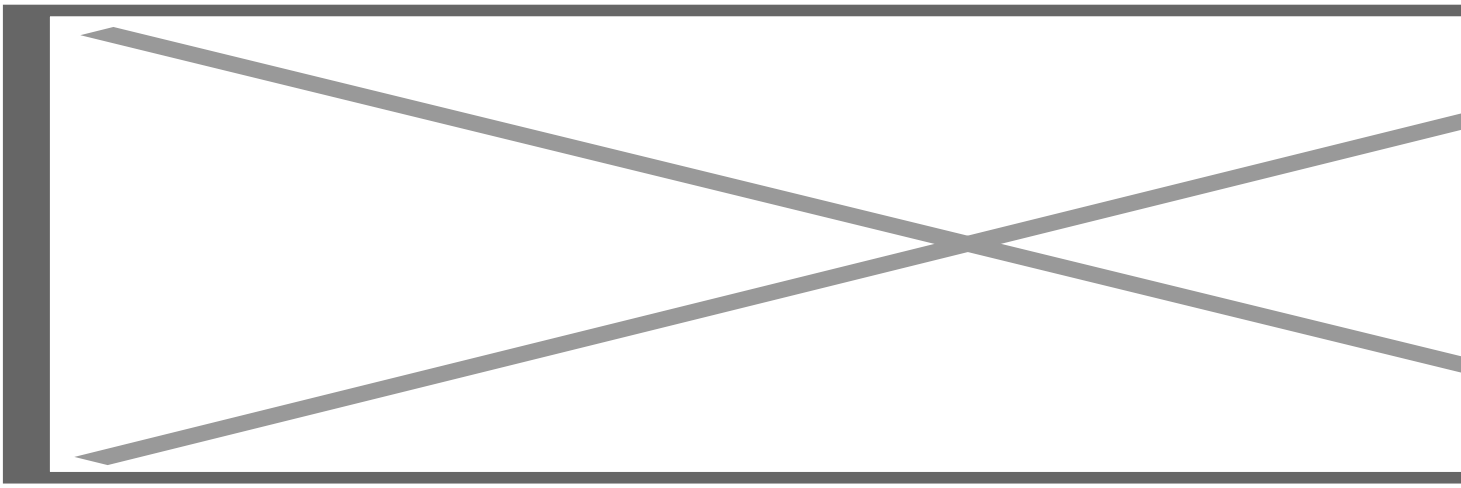
WIDE DYNAMIC RANGE

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: **HOW IT WOKS**



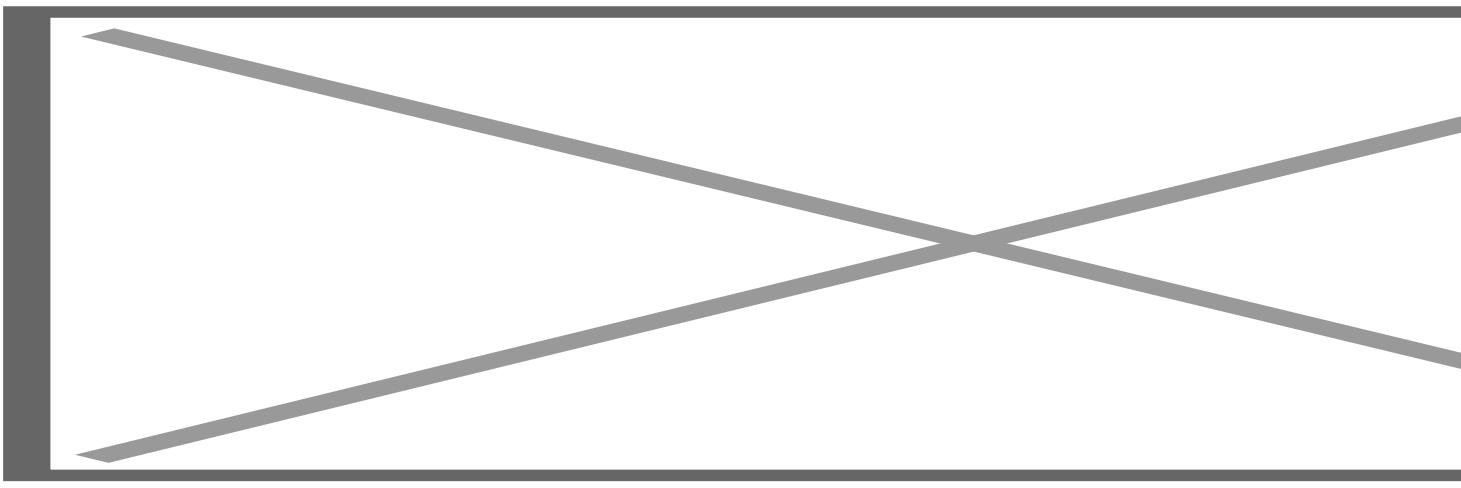
NIGHTTIME PICTURE QUALITY CORRECTION

Images from the videos recorded during nighttime 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 color control as well as noise cancellation.



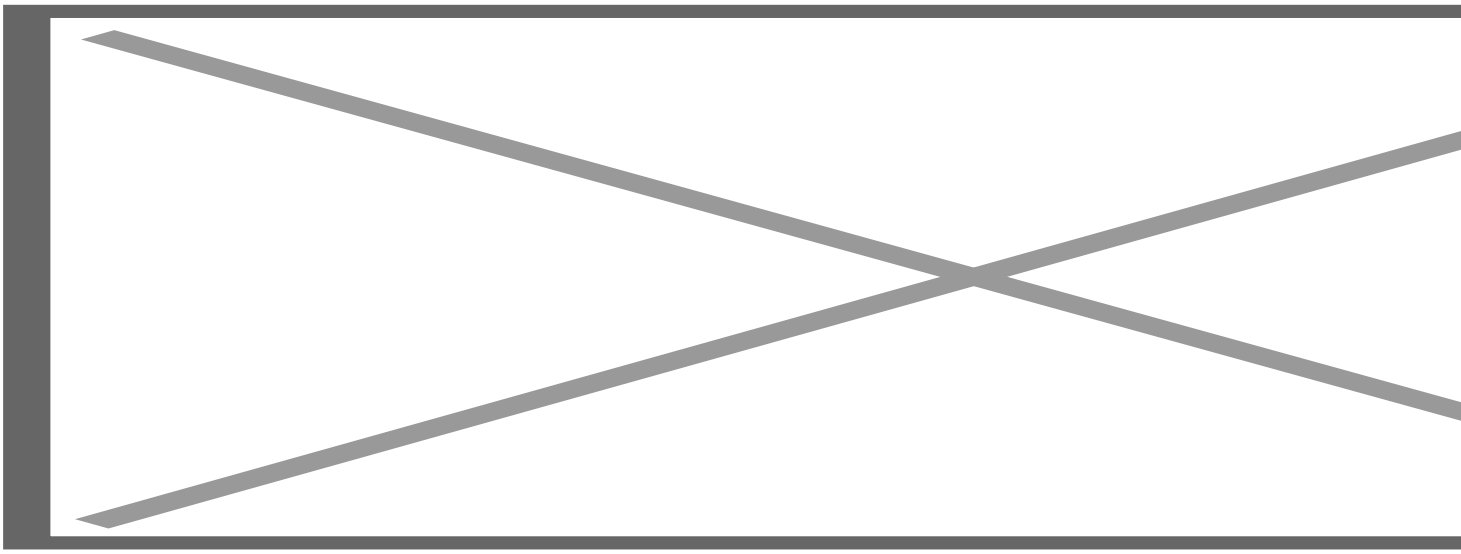
AUTOMATIC EXPOSURE

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.



SUPER NIGHT VISION 2.0*

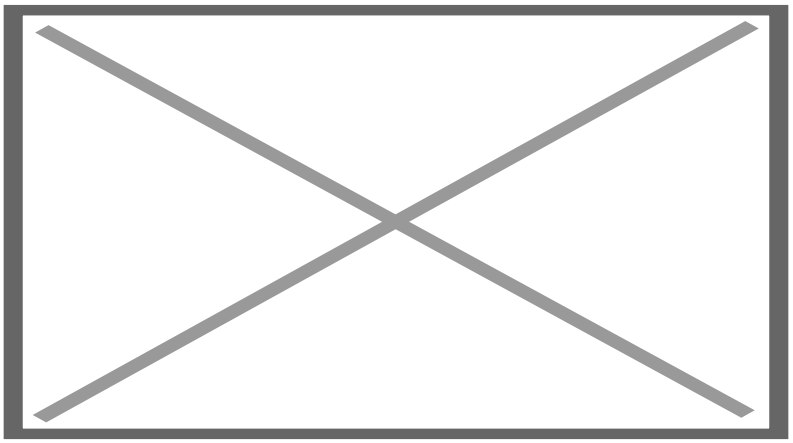
Dash cam Videos recorded in a low light environment such as dark alleyway or underground parking lot may not be clearly identifiable. SUPER NIGHT VISION uses ISP (Image Signal Processing) technology and the real-time image processing function to record clear, visible video in a low light environment when the vehicle is parked: **HOW IT WORKS**



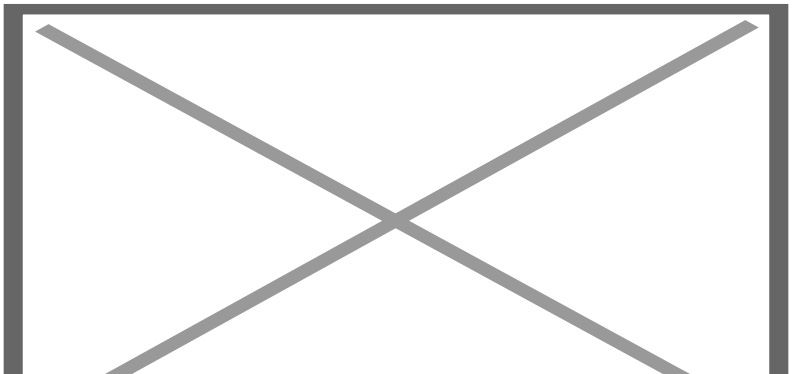
*Requires Hardwiring Cable and installation for Parking mode (professional installation recommended)

SAFETY

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.

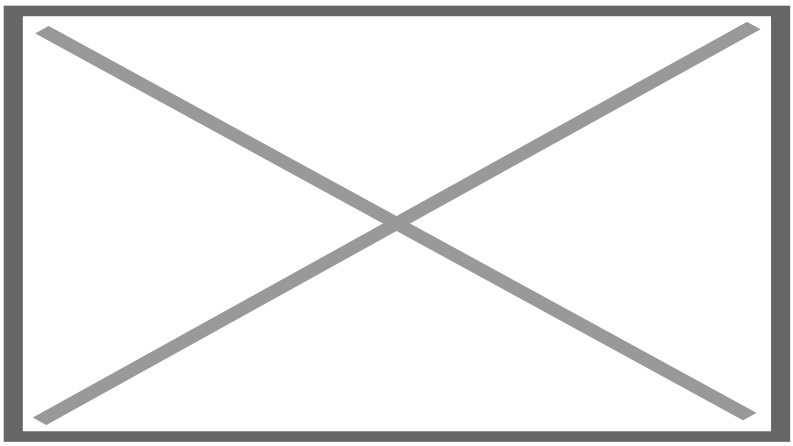


HIGH SPEED / URBAN FORWARD COLLISION WARNING SYSTEM (FCWS/ uFCWS)
Accidents can be avoided by maintaining a safe following distance. Road Safety Warning System in the THINKWARE DASH CAM calculates the real-time distance between your vehicle and the vehicle in front of you, while driving above 30 km/h 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.



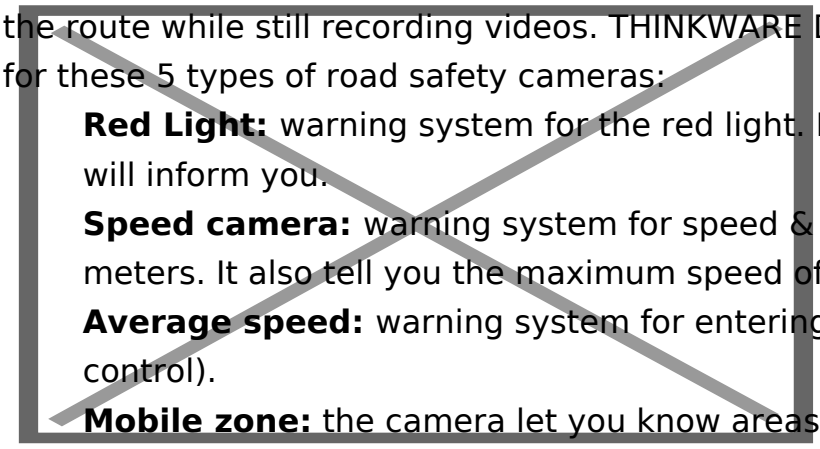
LANE DEPARTURE WARNING SYSTEM (LDWS)

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.



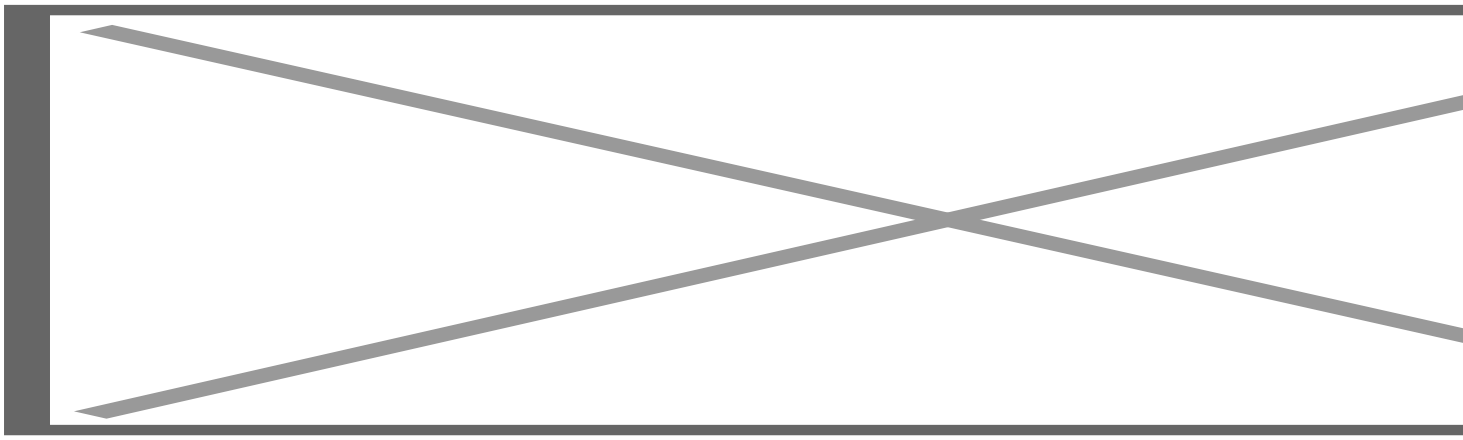
SAFETY CAMERA ALERT*

The Safety Camera Alert function of THINKWARE DASH CAM actively alerts the driver of any photo enforcement locations on



the route while still recording videos. THINKWARE Dash Cam provides active warning for these 5 types of road safety cameras:

- **Red Light:** warning system for the red light. If there is light traffic ahead, camera will inform you.
- **Speed camera:** warning system for speed & red light cameras in 400 & 200 meters. It also tell you the maximum speed of the specific road.
- **Average speed:** warning system for entering average speed zone (trajectory control).
- **Mobile zone:** the camera let you know areas which are used more often for mobile speed checks



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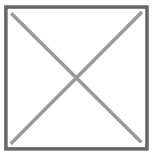
RECORDING MODES

CONTINUOUS RECORDING MODE

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

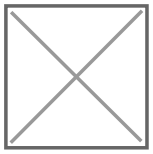


EVENT RECORDING MODE

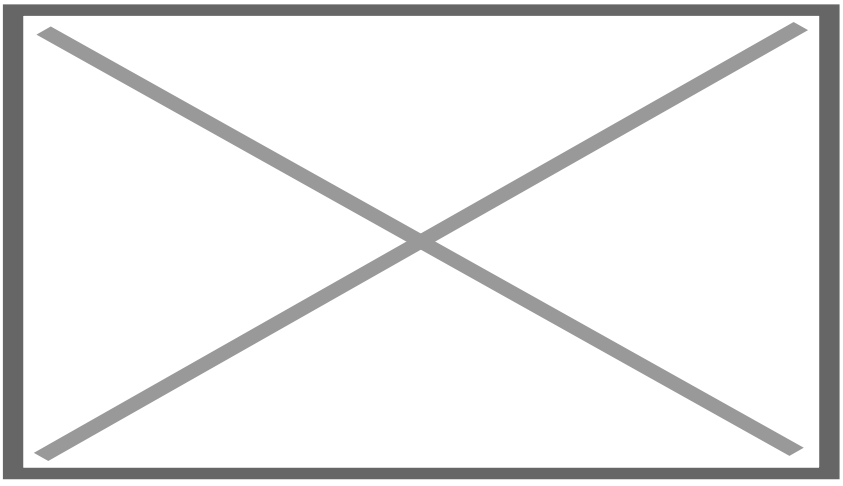
The Active Impact Monitoring System will automatically store the video data ten seconds prior to and after a collision registered by the 3-axis G-Sensor.

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 2.0 & PARKING RECORDING MODE



The Energy Saving 2.0 is a revolutionary development of parking mode. With greatly reduced amount of electricity consumption, the dash cam will be at a standby up to 17.5 days / 420 hours. 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, the device will go to sleep and soon after an impact has been detection by built-in G-senor, it will wake up within a second and start recording for next 20 seconds of period.

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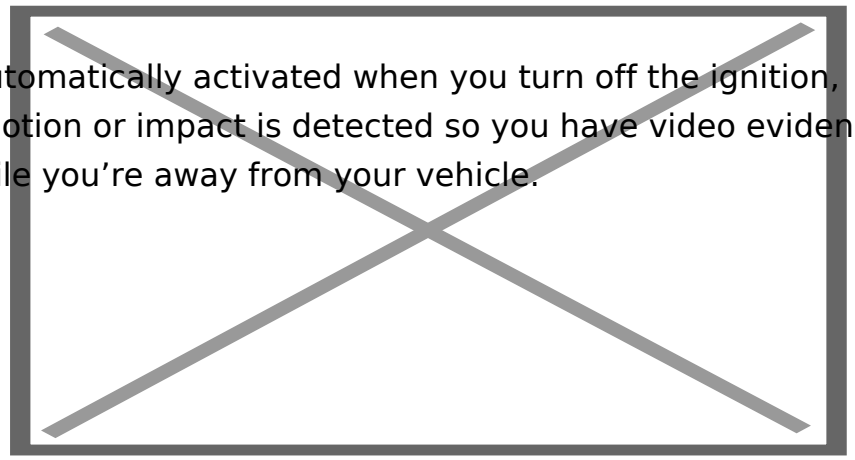
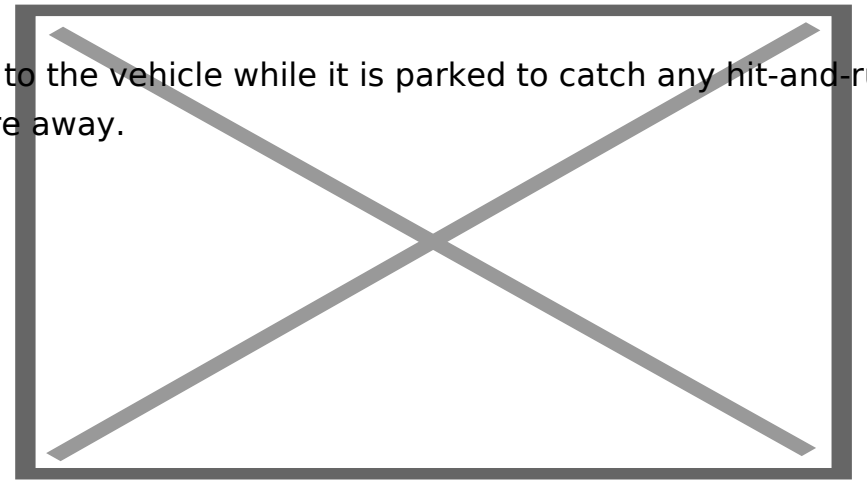
PARKING SURVEILLANCE MODE

Parking Surveillance mode is automatically activated when you turn off the ignition, and captures footage when a motion or impact is detected so you have video evidence of mishaps like hit-and-runs while you’re away from your vehicle.



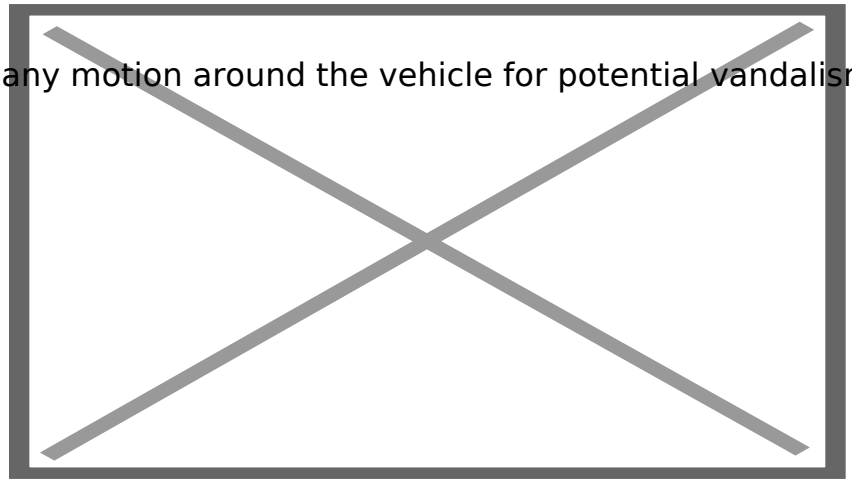
IMPACT DETECTION

Monitor any impact to the vehicle while it is parked to catch any hit-and-run driver in the act while you are away.



MOTION DETECTION

Monitor and capture any motion around the vehicle for potential vandalism attempts.

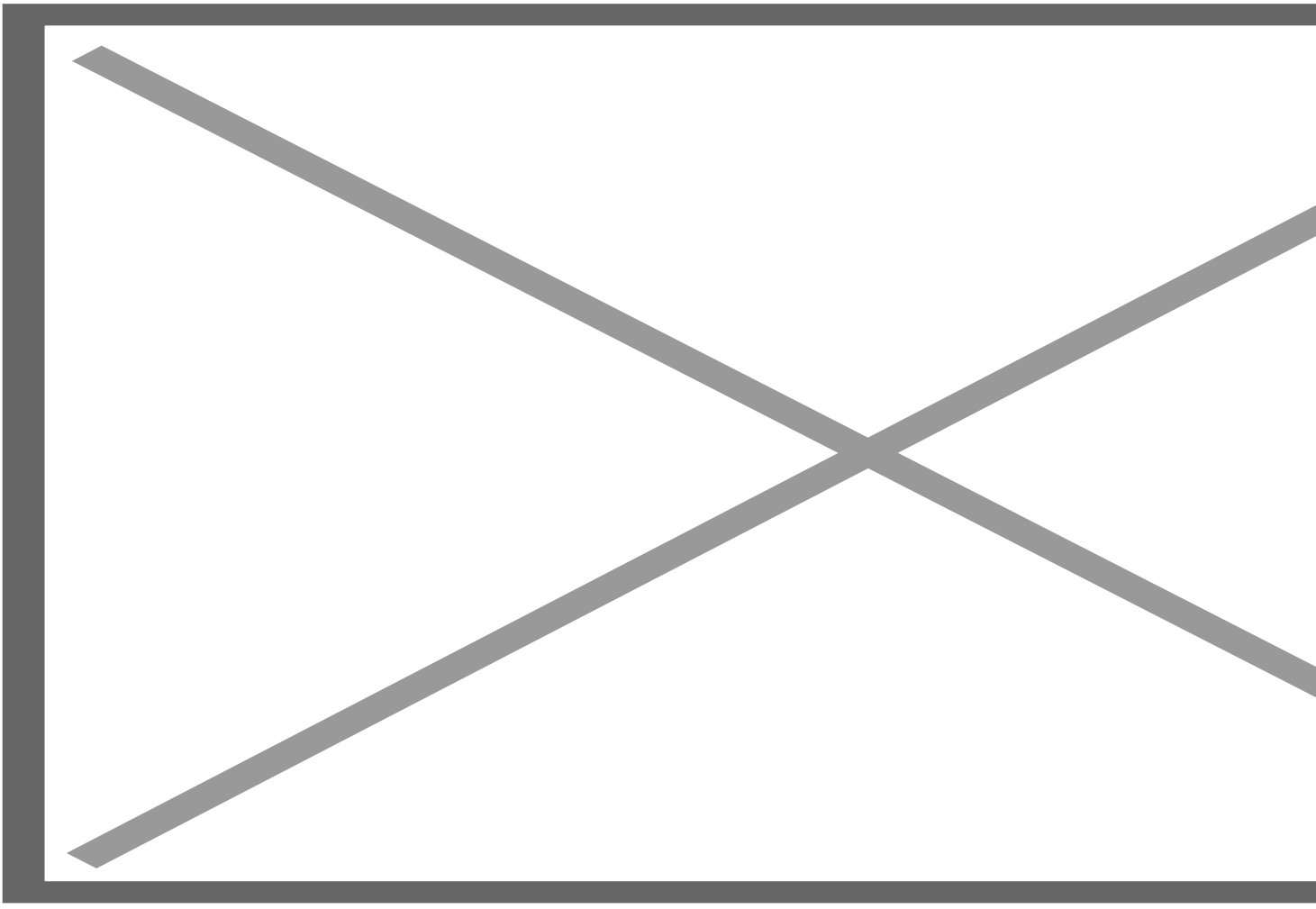


TIME LAPS*

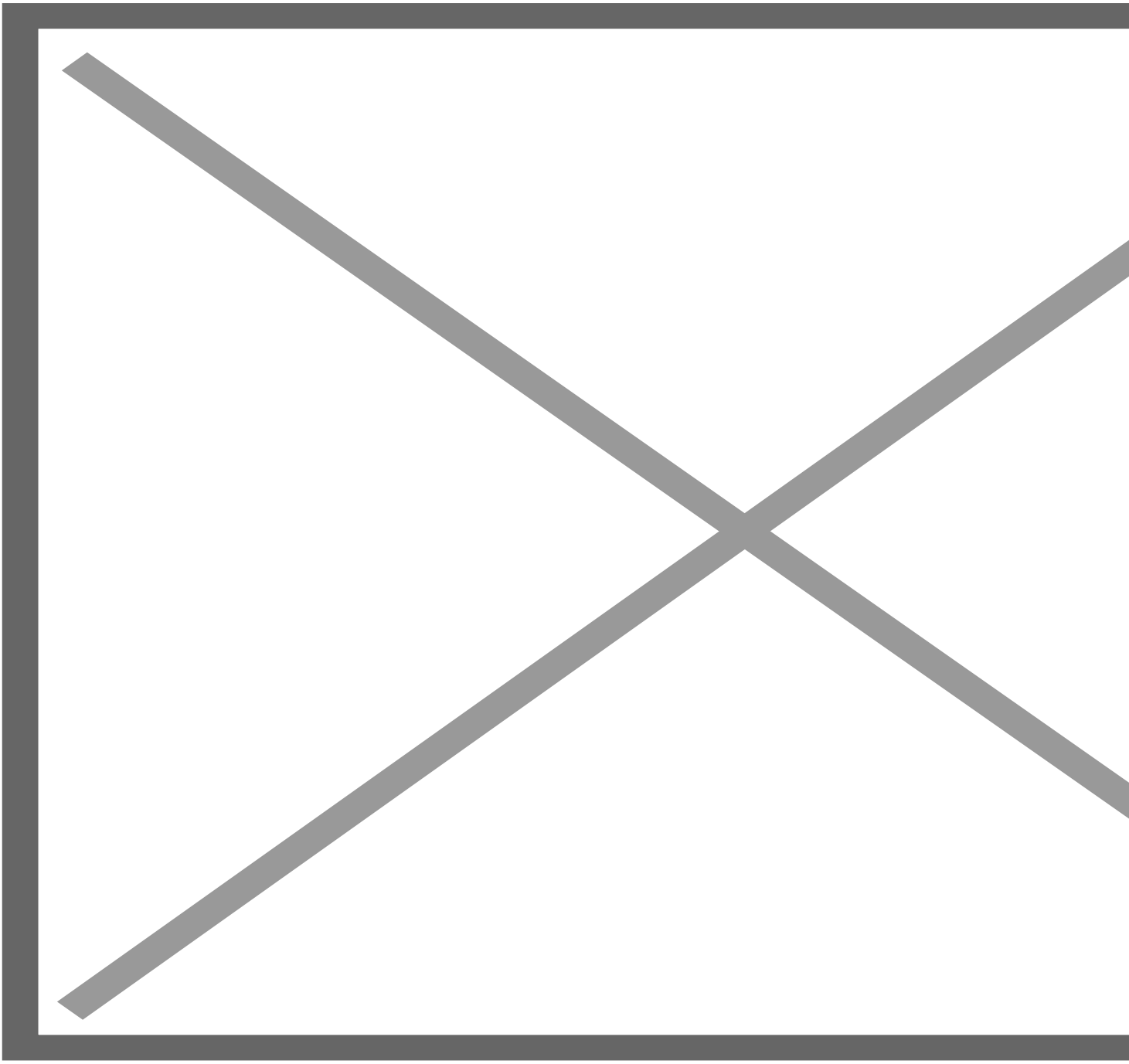
Important clips and images may get deleted due to insufficient memory space during long continuous recordings especially in standard parking recording mode which requires large memory for saving 15 to 30 frames per second. TIME LAPSE MODE in the F200 PRO records 2 frames per second reducing the size of the video file. This allows video recordings in parking mode to continue up to 10 times longer than the motion detection recording: **HOW IT WORKS**
*Requires Hardwiring Cable and installation for Parking mode (professional installation recommended).

VIEWER

PC/MAC VIEWER
This mode is activated automatically when you start the engine. Recorded videos are saved in one-minute segments with an auto-looping mechanism: **HOW IT WOKS**



APP
Your smartphone and theTHINKWARE DASH CAM can be connected via the exclusive application, THINKWARE DASH CAM LINK. Check download or delete recorded images, and configure dash cam settings.



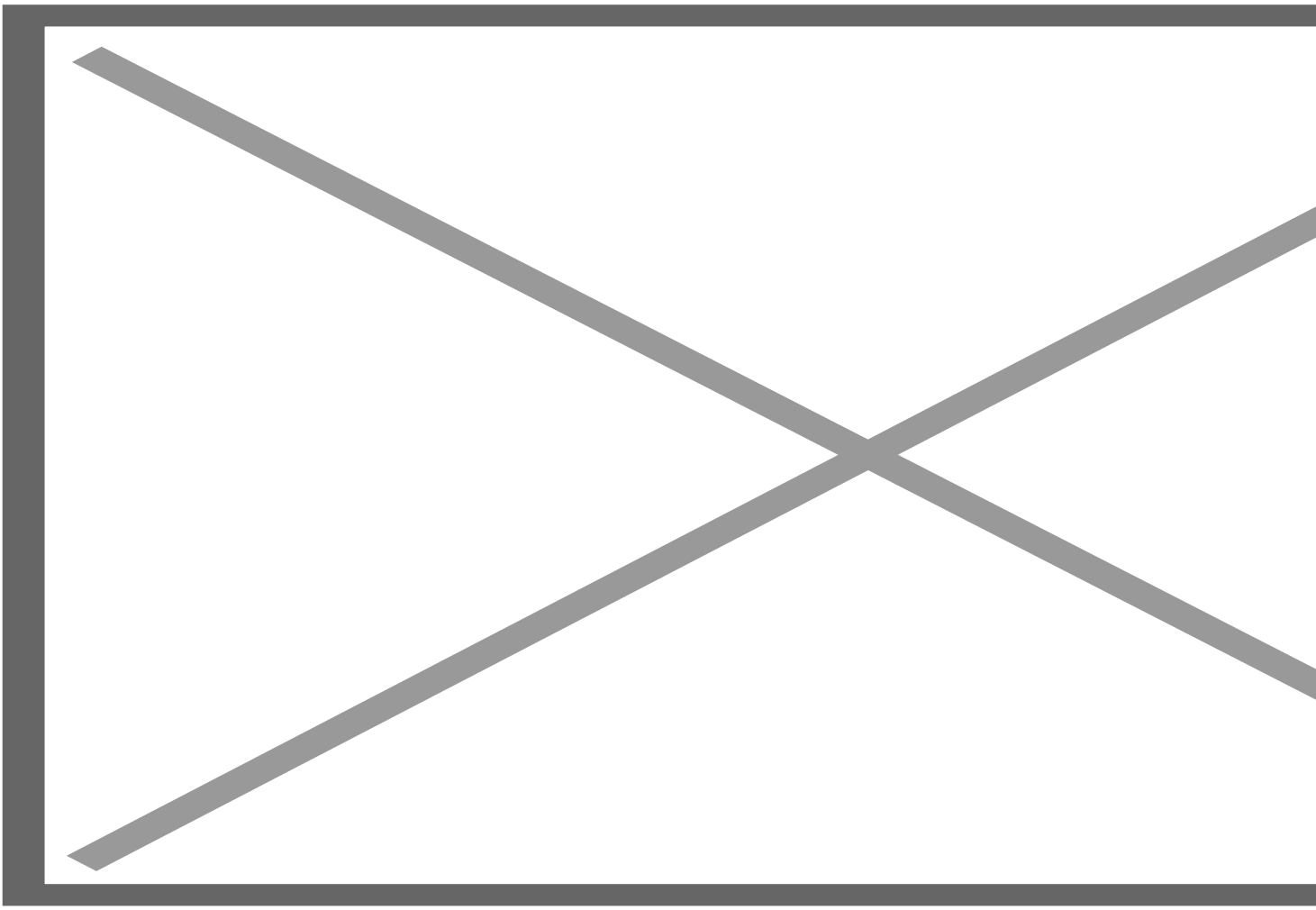
OTHER FUNCTIONS

FORMAT FREE TECHNOLOGY

THINKWARE DASH CAM utilizes the FAT (File Allocation Table) system. This allows THINKWARE’s proprietary Format Free Technology to eliminate the need for periodical manual formatting of recorded video files on the microSD memory card. It also helps extend the life of your memory card. You can view recorded video files on any PC without having to worry about converting files. THINKWARE DASH CAM saves the hassle of manually clearing memory space.

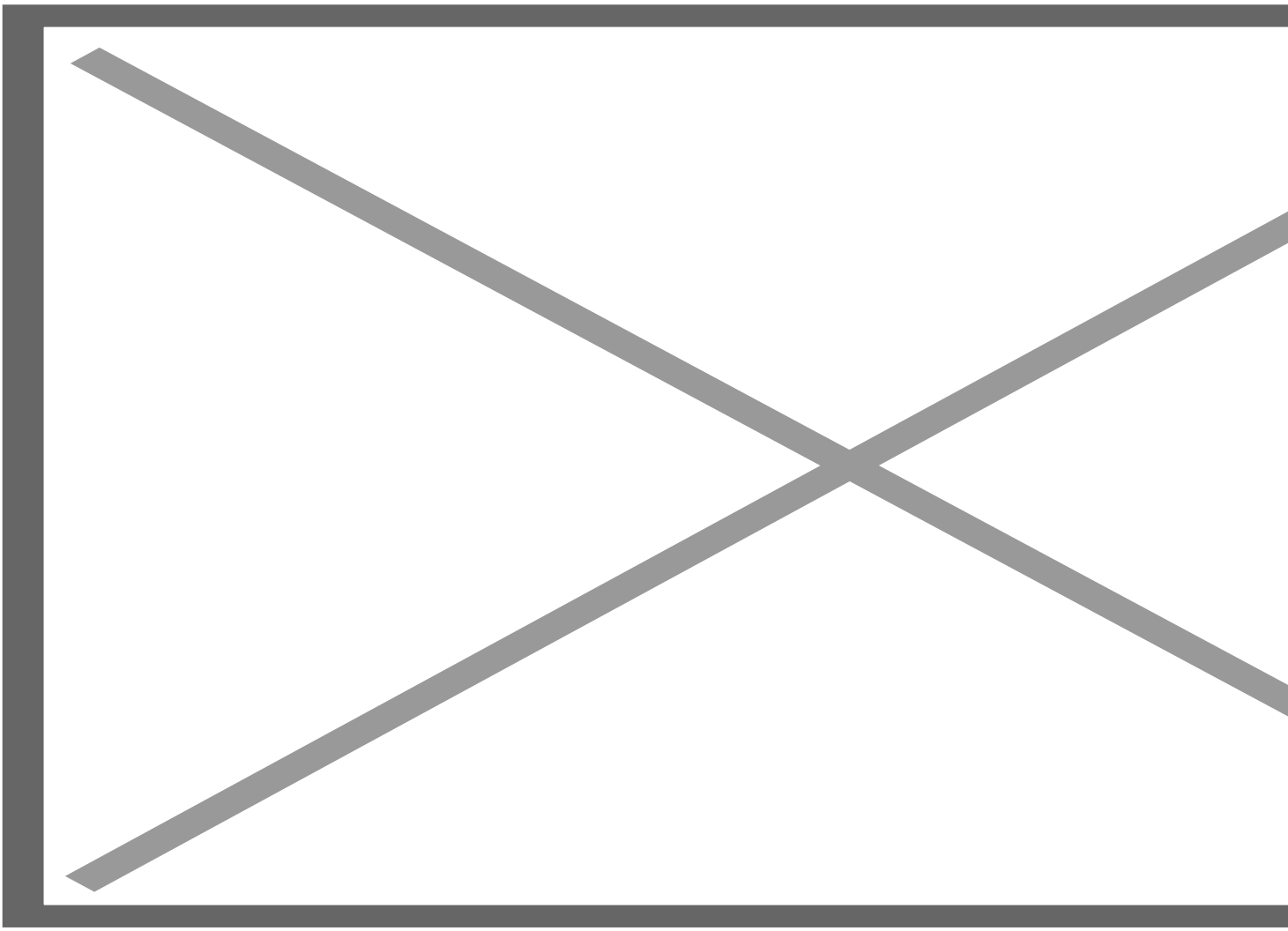
COMPREHENSIVE DRIVING INFORMATION WITH GPS

With the internal GPS Tracker, the THINKWARE DASH can record the vehicle's driving speed and provide its precise location and routes identification on the map. The GPS Tracker helps you to accurately assess the details of the surrounding area by providing you with the vehicle speed and the time of a collision, and the severity of impact. The video recording feature not only stores driving footages in case of an event, but it can also be used to track your holiday travel routes.



HIGH-TEMPERATURE PROTECTION SYSTEM

The specially designed heat discharge construction and the built-in thermal sensor of the DASH CAM protect the device and its data against intense heat by automatically turning it off to prevent overheating: **HOW IT WORKS**



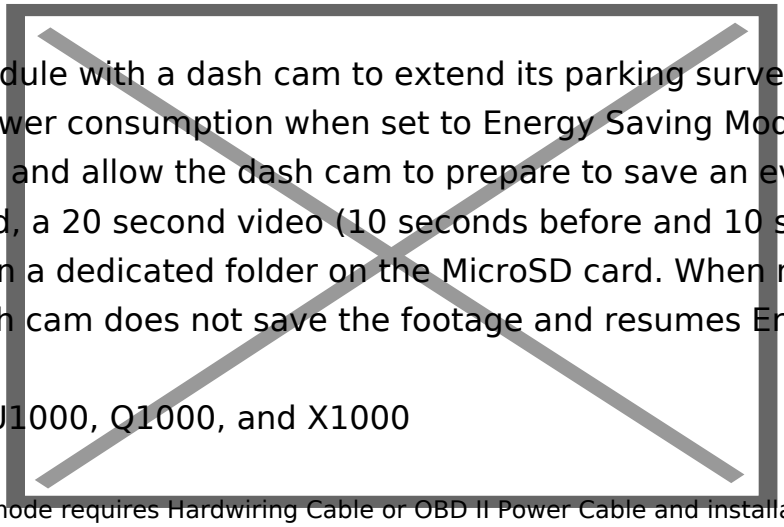
FAIL-SAFE RECORDING

In the event that the power gets disconnected after an accident, the fail-safe recording uses the Super Capacitor for backup power to ensure safe storage of any recording in progress – so you can be assured that your valuable data will be securely stored under any circumstances.

RADAR (optional)

Pair the Radar Module with a dash cam to extend its parking surveillance duration while reducing power consumption when set to Energy Saving Mode 2.0. The Radar will detect motion and allow the dash cam to prepare to save an event clip. If an impact is detected, a 20 second video (10 seconds before and 10 seconds after the impact) is saved in a dedicated folder on the MicroSD card. When no impacts are detected, the dash cam does not save the footage and resumes Energy Saving Mode 2.0.

Compatible with U1000, Q1000, and X1000

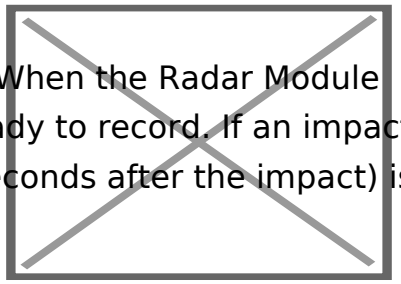


* Parking Surveillance mode requires Hardwiring Cable or OBD II Power Cable and installation (professional installation recommended).

* Energy Saving Mode 2.0 will disable all THINKWARE CLOUD features.

Energy Saving Parking Mode 2.0
The dash cam is on standby until an impact is detected. When an impact is detected, the dash cam wakes up to record a 20 second video.

Energy Saving Parking Mode 2.0 with Radar Module
The dash cam is on standy until a movement is detected. When the Radar Module detects a movement, the dash cam wakes up and gets ready to record. If an impact is detected, a 20 second video (10 seconds before and 10 seconds after the impact) is saved.



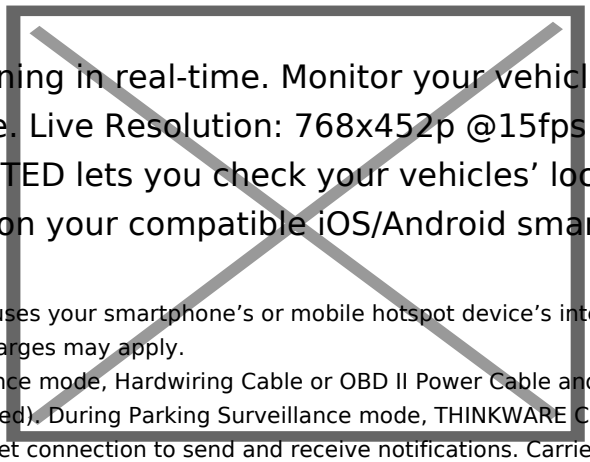
THINKWARE CONNECTED

Monitor your vehicles' activity remotely. THINKWARE CONNECTED lets you check your vehicles' location and receive notifications directly on your compatible iOS/Android smartphone.* **
Get peace of mind with features like:

- Strong Impact Notification (parked & driving)
- Vehicle status & Driving History
- Capture image of Most Recent Parking
- Remote Live View
- Vehicle Location
- Geo-Fencing
- Emergency message

* THINKWARE CLOUD uses your smartphone's or mobile hotspot device's internet connection to send and receive notifications. Carrier charges may apply.
** Smartphone Hotspot connection is required for first time registration.

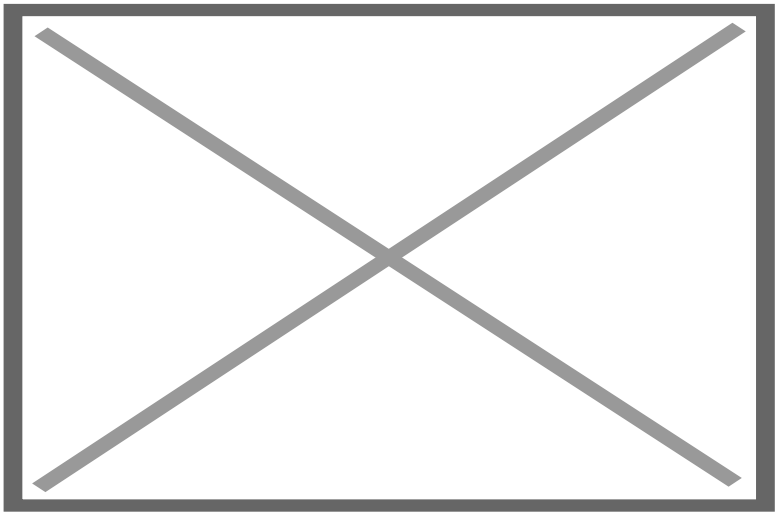
MONITOR REMOTELY
Watch what is happening in real-time. Monitor your vehicle with your smartphone, no matter where you are. Live Resolution: 768x452p @15fps
THINKWARE CONNECTED lets you check your vehicles' location and receive notifications directly on your compatible iOS/Android smartphone.[1] [2]



1. THINKWARE CLOUD uses your smartphone's or mobile hotspot device's internet connection to send and receive notifications. Carrier charges may apply.
2. For Parking Surveillance mode, Hardwiring Cable or OBD II Power Cable and installation are required (professional installation recommended). During Parking Surveillance mode, THINKWARE CLOUD uses your portable hotspot device's or vehicle Wi-Fi's internet connection to send and receive notifications. Carrier charges may apply. Energy Saving Mode 2.0 is not available when Thinkware Cloud 2.0: Remote Live View during Parking Mode is enabled.
3: Q800 PRO on Continuous Driving Mode Only

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

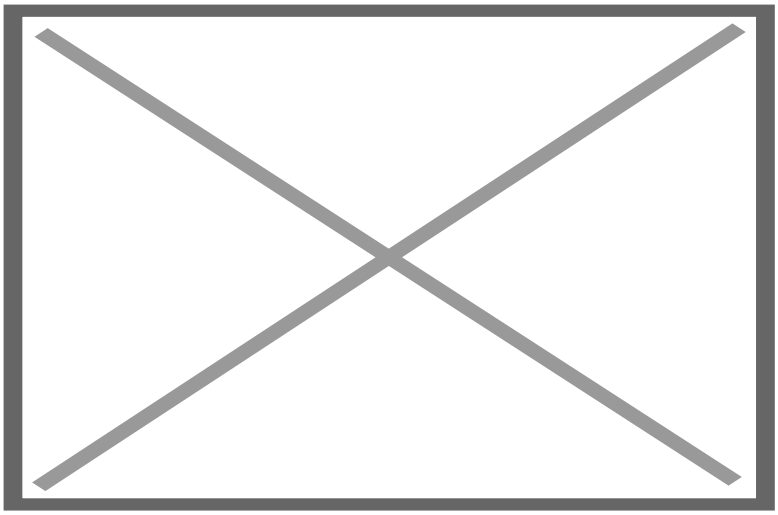
STRONG IMPACT NOTIFICATION - WHILE DRIVING



A serious impact stronger than 3g will trigger the Thinkware CONNECTED to show a notification on the app and send an emergency message to your registered contacts. The notification and message will contain crucial information like where the accident took place and a link to a 20-second video clip of the accident (10 seconds before and after the impact). This clip is saved on the server automatically and you can access it later as well. This feature is helpful in case of a potential major incident so your loved ones or fleet manager can take swift action.

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

STRONG IMPACT NOTIFICATION - WHILE PARKED



If an impact is detected while the car is parked, the app will receive a notification automatically. A 20-second video of the incident (10 seconds before and after the incident) is also saved on the Thinkware CONNECTED server if the user gives consent, and can be checked later from the app.

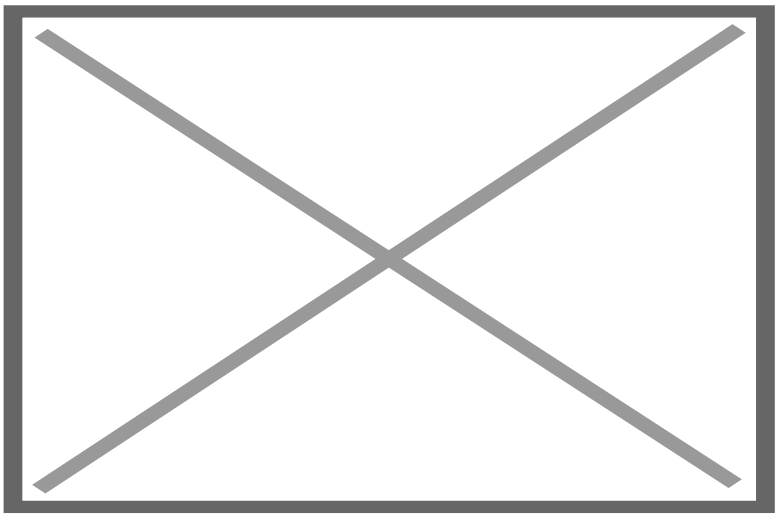
*The dash cam must have Parking Surveillance mode enabled.

REMOTE LIVE VIEW

Thinkware CONNECTED allows you to see what the camera is viewing in real-time as well as your vehicle’s location. This will help parents, fleet managers, and vehicle owners to monitor the vehicle’s activity, no matter where they are.

Remote Live View: **Up to 300 minutes per month for FREE**

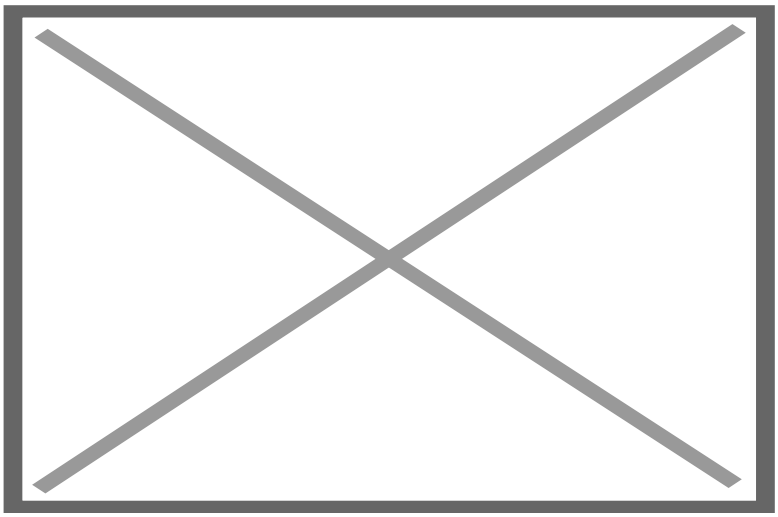
(Reset on the 1st day of each month)



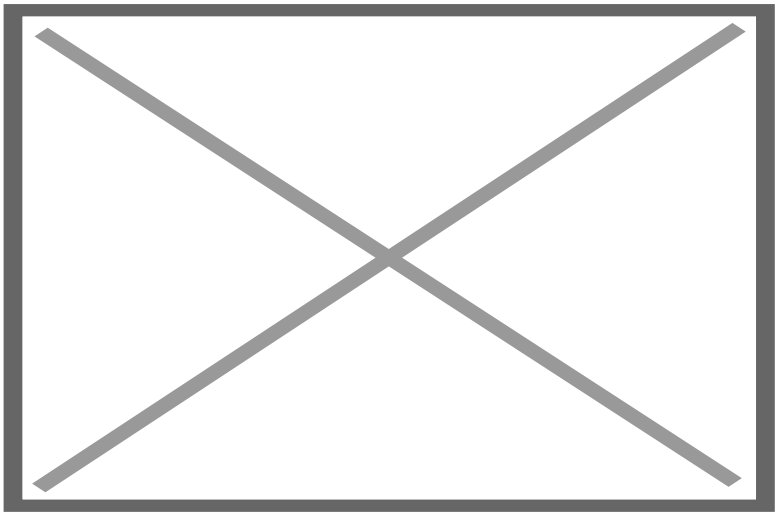
CAPTURED IMAGE OF MOST RECENT PARKING

With Thinkware CONNECTED, you won’t have to remember where you parked your vehicle. This feature allows you to view an image of your front and rear views of where you last parked, along with the location of the vehicle. You can also go to ‘Parking History’ to find a record of your previous Parking Captured images.

*Only available on the mobile app.

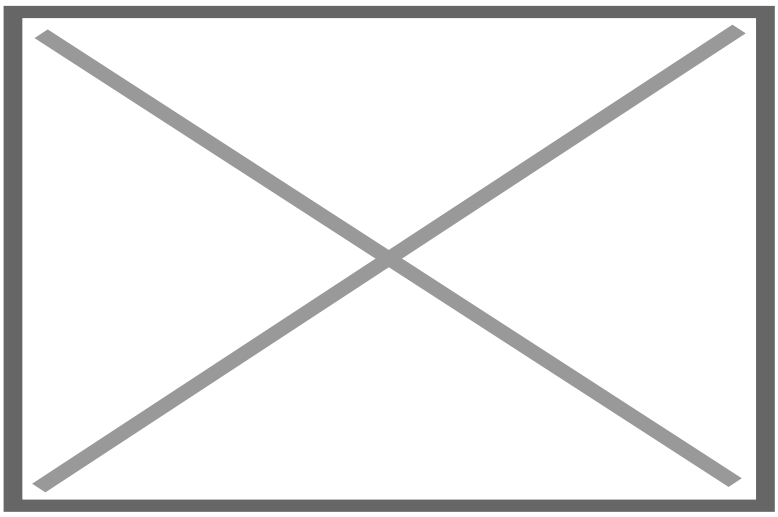


SEND EMERGENCY MESSAGE



An emergency message can be sent to all registered contacts when the driver presses the REC button located on the dash cam for more than 3 seconds to request for help. In this situation, a 10-second video (5 seconds before and after the incident) will be uploaded to the server automatically. You can register the contact details of your friends, family, or associates and ensure that help will be on the way in case something happens.

VEHICLE STATUS & DRIVING HISTORY

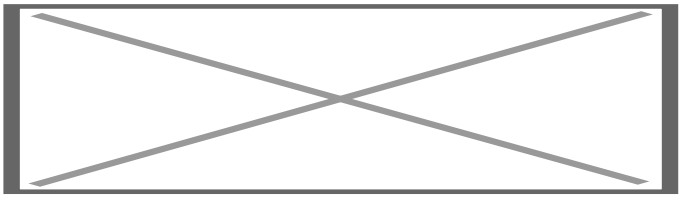


You can find important information like whether the vehicle is parked or driving, check the battery voltage, and even turn off the dash cam remotely if the battery voltage is low, all from the Thinkware CONNECTED App. The app also allows you to view driving history with information like date, time, distance, route, and driving behavior.

GEO-FENCING
Geo-Fencing allows parents or fleet managers to be updated on vehicles’ comings and goings. The dash cam will send a push notification through the THINKWARE CONNECTED mobile app if a vehicle enters or exits a pre-selected geographic zone. The radius of the zone can be set easily by simply tapping on the Google Maps display and selecting the desired radius, from 100m all the way up to 600km.
*Geo-fencing is only available with Home and Enterprise plans.

NOTES

- PARKING MODE: Requires Hardwiring Cable or OBD II Power Cable and installation for Parking Surveillance mode (professional installation recommended)
- Check the other tabs for "Compatibility" - "Package contents" - "Product specifications"



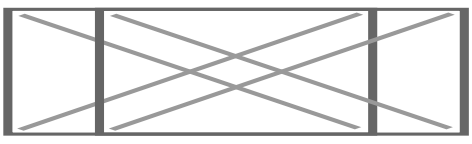
NOTES

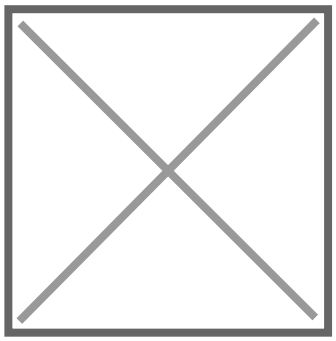
- PARKING MODE: Requires Hardwiring Cable or OBD II Power Cable and installation for Parking Surveillance mode (professional installation recommended)
- It is possible to upgrade the SD card up to 256GB
- Q1000 support CONNECTED service

DOWNLOAD

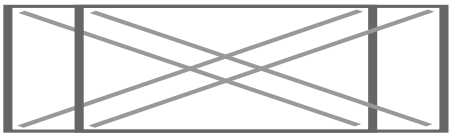
APP
Use the below link to download the THINKWARE APP for your device:

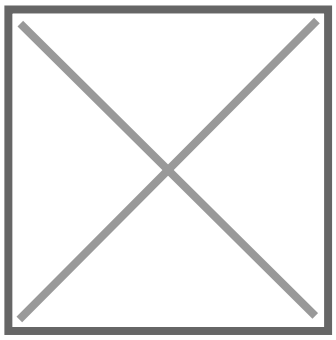
SETTING APP



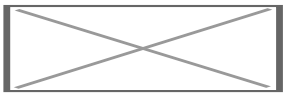


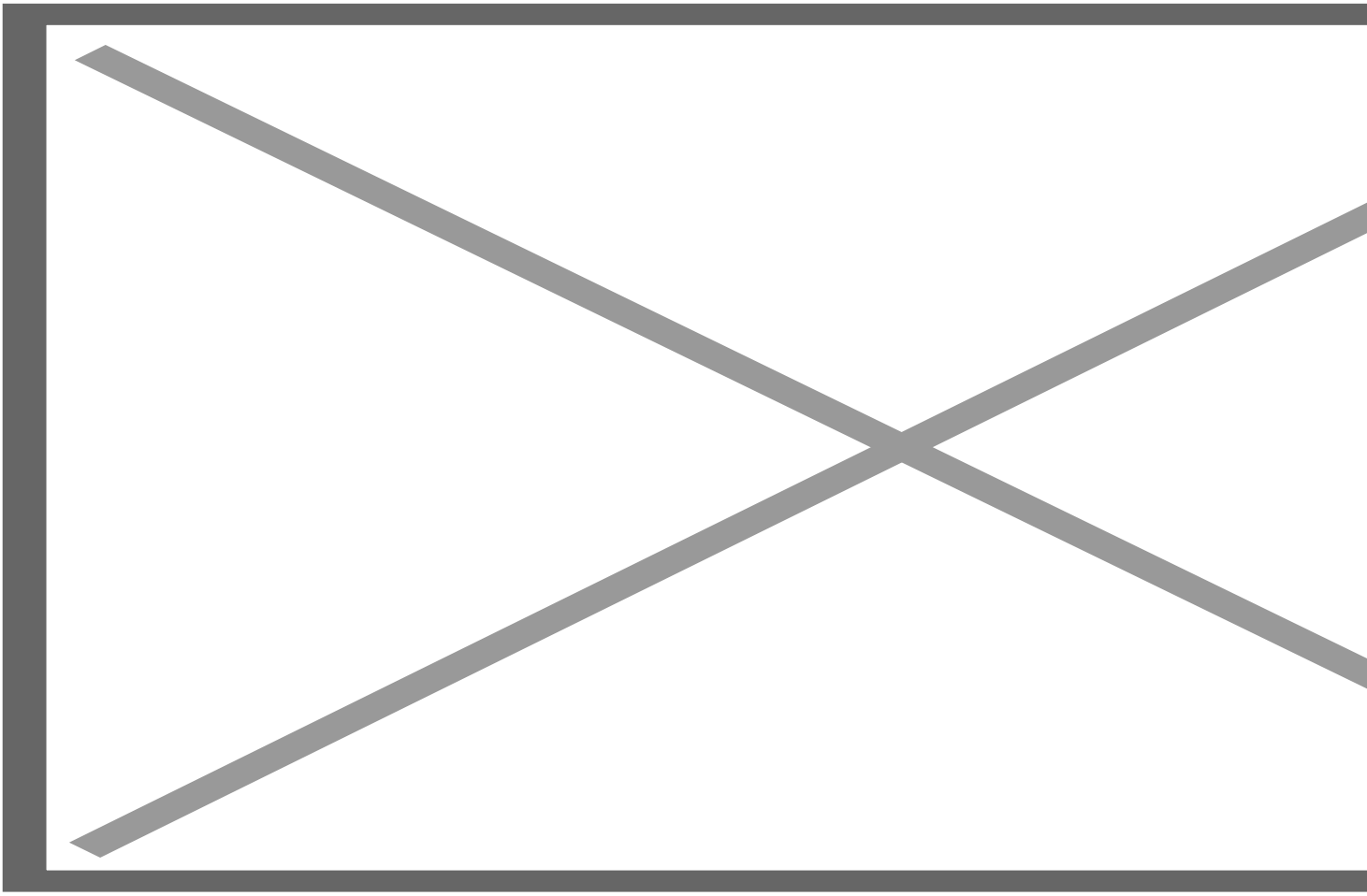
CONNECTED APP





OTHER DOWNLOADS
Press below button for
--> U1000 PC viewer
--> U1000 Firmware update
--> U1000 Speed camera data
--> U1000 User manual





RECORDING TABLE

Q1000		Front	Front + Rear
Video Quality		2K QHD @30fps	2K QHD + 2K QHD @30fps
Capacity	32GB	240 min	120 min
	64GB	483 min	241 min
	128GB	971 min	485 min
	256GB	1947 min	973 min

U1000		Front	Front + Rear
		4K UHD @30fps	4K UHD @30fps + 2K QHD @30
Video Quality		or	or
		2K QHD @60fps	2K QHD @60fps + 2K QHD @30
	32GB	99min	65min
Capacity	64GB	200min	132min
	128GB	402min	265min

X1000		Front	Front + Rear
Video Quality		2K QHD @30fps	2K QHD @30fps + 2K QHD @30
	32GB	228min	114min
Capacity	64GB	458min	229min
	128GB	918min	459min

X800		Front	Front + Rear
Video Quality		2K QHD @30fps	2K QHD @30fps + Full HD @30

	32GB	105min	105min
Capacity	64GB	208min	208min
	128GB	400min	400min

Q800PRO / QA100	Front	Front + Rear
Video Quality	2K QHD @30fps	2K QHD @30fps + Full HD @30

	32GB	140min	70min
Capacity	64GB	283min	141min
	128GB	569min	284min

1080p Full HD	Front	Front + Rear
Video Quality	Full HD @30fps	Full HD @30fps + Full HD @30

	16GB	121min	60min
	32GB	246min	123min
Capacity	64GB	496min	248min
	128GB	996min	498min

F790	Front	Front + Rear

Video Quality		**Full HD @30fps**	**Full HD @30fps + Full HD @30f**
Capacity	**16GB**	**180min**	**90min**
	32GB	**377min**	**188min**
	64GB	**752min**	**376min**
	128GB	**1506min**	**753min**
M1		**Front**	**Front + Rear**
Video Quality		**Full HD @30fps**	**Full HD @30fps + Full HD @30f**
Capacity	**32GB**	**354min**	**177min**
	64GB	**714min**	**357min**

Note: **Each Continuous Driving Video clip is 1 minute long.**