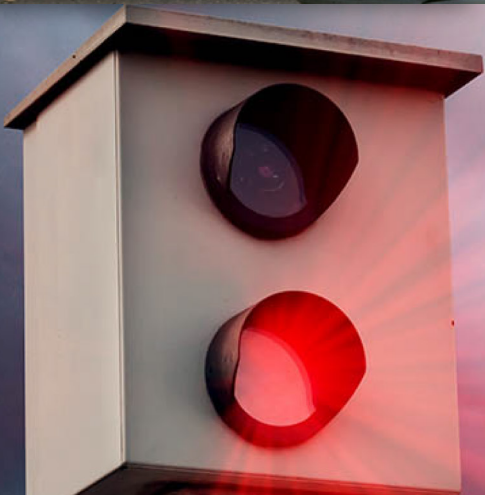
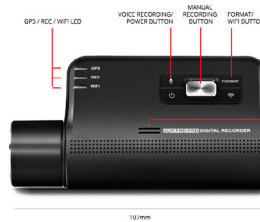


THINKWARE 2018



THINKWARE 1080P FULL HD SMART GPS DASH CAM F800PRO

GPS SAFETY CAMERA ALERT SYSTEM - SUPER NIGHT VISION - BUILT-IN WIFI



- 1080p Full HD & Full HD 2CH recording
- Sony Exmor R Starvis Image sensor, 140° Wide Angle
- State of the art video enhancement technology for clear and balanced images
- Road Safety Warning System (LDWS, FCWS, uFCWS, FVDW)
- Safety Camera Alert
- GEO fencing and locate vehicle (Requires cloud connection)
- Built-in Wi-Fi and Built-in GPS
- View video from mobile APP (Android/iOS) or Windows/Mac Viewer



Resolution	GPS	Size	Description	Time	Capacity	Code
1920x1080P	Yes	107x61x33mm	With GPS, Safety and WiFi	124min	16GB	F800P16
1920x1080P	Yes	107x61x33mm	With GPS, Safety and WiFi	246min	32GB	F800P32
1920x1080P	Yes	107x61x33mm	With GPS, Safety and WiFi	496min	64GB	F800P64
1920x1080P	Yes	107x61x33mm	With GPS, Safety and WiFi	990min	128GB	F800P128

ACCESSORIES

OPTIONAL REAR CAMERA SUIT F800

Add the rear view camera for complete front and rear surveillance. It is installed on the rear window to provide a wide viewing angle, record FULL HD-quality video and detect motion occurring at the back of your vehicle. Using THINKWARE PC viewer or Mobile viewer, you can view front and rear videos for more comprehensive assessment of an incident.



Resolution	Code
1080p	F800PRA

OPTIONAL F800PRO ADHESIVE TAPE MOUNT

Replacement mount for use with Thinkware Dash Cam F800PRO. 3M adhesive tape ensures secure mounting and anti-vibration. The compact mount sits discretely behind the rearview mirror.



Code
F800MT

KEY FEATURES



FRONT AND REAR VIEW FULL HD RECORDINGS
CMOS Image Sensors allow constant front and rearview Full 1080p HD resolution recording during both daytime and nighttime along with a 140-degree wide angle lens view. This will minimise blind spots to assure recording of all events without fail. Note: Rearview camera is sold separately.



NO Super Night Vision



Super Night Vision 2.0

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 VISION 2.0 in the F800 PRO uses Advanced Image Signal Processing (ISP) technology to record a clear, visible video in any situation- while driving or parked.



TIME LAPSE FOR PARKING MODE

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 F800 PRO records 2 frames per second reducing the size of the video file. This allows video recordings in parking mode to continue up to 9 times longer than other dash cams. Note: Parking mode requires use of the Hard Wiring Cable (HWC)

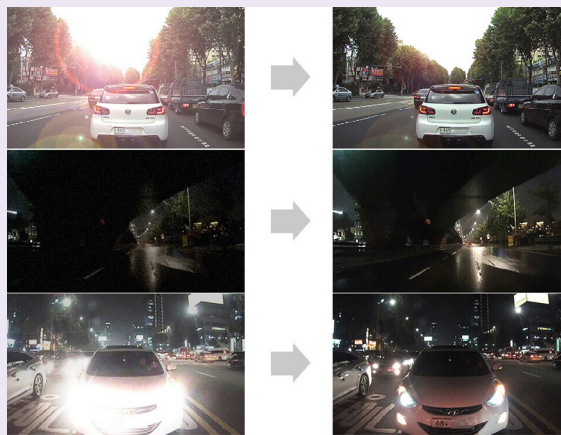


SONY EXMOR R STARVIS IMAGE SENSOR

The Sony Exmor R STARVIS Image Sensor applied to the F800 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.

STATE OF THE ART VIDEO ENHANCEMENT TECHNOLOGY

Thinkware Dash Cams are equipped with top-notch video enhancement technology, making sure you get the best video quality on the market, and ensuring the most vivid video recordings under any circumstance.



Wide Dynamic Range (WDR)

Night Time Picture Quality Correction

Intelligent Automatic Exposure

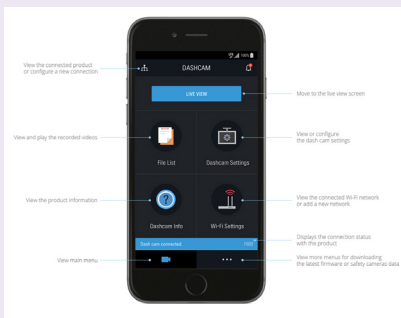


The THINKWARE DASH CAM F800PRO is equipped a variety of advanced driver safety systems to help keep you safe on the road. This includes a Forward Collision Warning System, Front Vehicle Departure Warning (FVDW) and Lane Departure Warning System (LDWS).



SAFETY CAMERA ALERT

The THINKWARE DASH CAM F800PRO'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 fixed speed cameras, mobile speed cameras.



CHECK RECORDED IMAGES AND UPDATE FIRMWARE USING YOUR SMARTPHONE

Your smartphone and the F800 PRO can be connected via the exclusive application "THINKWARE DASH CAM Mobile Viewer for F800 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.



PC/MAC VIEWER FOR CHECKING 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



THINKWARE 1080P FULL HD SMART GPS DASH CAM F770

Resolution	Capacity	Time	Description	Code
1080P	16GB	124min	Built-in WiFi, GPS, Night Vision, Time lapse	F77016
1080P	64GB	496min	Built-in WiFi, GPS, Night Vision, Time lapse	F77064
1080P	32GB	246min	Built-in WiFi, GPS, Night Vision, Time lapse	F77032



THINKWARE F770



Super Night Vision

Videos recorded by a dash cam in a low light environment such as a dark alleyway or underground parking lot can pose difficulties when you try to accurately identify information from the image. The Thinkware F770 employs new Image Signal Processing (ISP) technology with real-time image processing functions to bring 10 times brighter images than our earlier models when recorded under night time parking mode.

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. The time lapse mode in the F770 records 1 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.

Front And Rearview Full HD Recordings

Optional extra CMOS Image Sensors allow constant front and rear view Full 1080p HD resolution recording during both daytime and night time along with a 140-degree wide angle lens view. This will minimise blind spots to assure recording of all events without fail.

*THINKWARE DASH CAM F770 FULL HD rear view camera (F77RA) is sold separately.



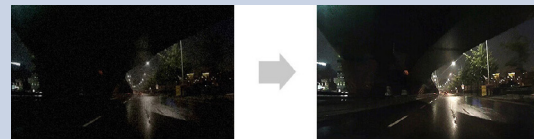
FULL HD REARVIEW CAMERA INPUT
Note: Rearview camera F77RA is sold separately

State Of The Art Video Enhancement Technology

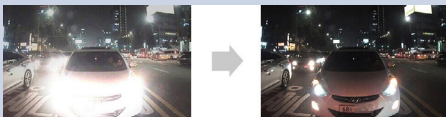
THINKWARE DASH CAMs are equipped with the leading video enhancement technologies available on the market, ensuring the most vivid video recordings under any circumstances. Including: Wide dynamic range, night time picture quality correction, intelligent automatic exposure, adaptive colour correction and adaptive contrast correction.



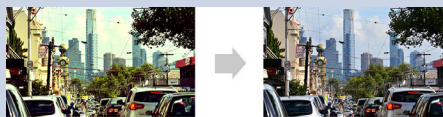
WIDE DYNAMIC RANGE (WDR)



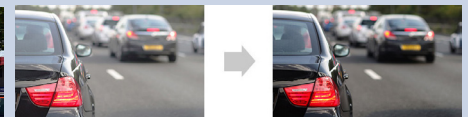
NIGHT TIME PICTURE QUALITY CORRECTION



INTELLIGENT AUTOMATIC EXPOSURE



ADAPTIVE COLOUR CORRECTION



ADAPTIVE CONTRAST CORRECTION

PC Viewer To View Recorded Footages

The intuitive and easy-to-use interface of THINKWARE DASH CAM PC VIEWER allows you convenient access to your recorded videos with G-sensor and GPS data for speed and location. Compatible with both PC and Mac. This program also allow you to configure your dash cam settings, format the memory card, or install updates with just a few clicks.



Road Safety Warning System

The THINKWARE DASH CAM F770 is equipped with the Lane Departure Warning System (LDWS) and the Front Collision Warning System (FCWS) to ensure driver safety with a voice warning. The Lane Departure Warning System will alert the driver when the vehicle diverts off lane at speeds over 50 km/h, plus the Front Collision Warning System calculates the average distance from the vehicle in front and alerts the driver in advance when reaching the range of safe breaking distance in order to prevent a collision.

Safety Camera Alert

The THINKWARE DASH CAM F770'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.



Various Autonomous Recording Modes

There are three different recording modes to allow you to configure how you want to use your dash cam, this includes the Continuous Recording Mode which activates automatically when you start the car. Recorded videos are saved in one-minute segments with an auto-looping mechanism. Another option is the Event Recording Mode which will automatically store the video data ten seconds prior to and after a collision registered by the 3-axis G-Sensor. And in the Manual Recording Mode, you can manually record footage whether or not your car is in motion.

Comprehensive Driving Data Through Built-In GPS

Using the GPS data in F770, 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 the 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. All F770 series dash cams come with built-in GPS.



Connect A Smart Device To Your Dash Cam With The Built-In Wi-Fi

You can easily control, manage files and configure the settings of your DASH CAM from your smart device with THINKWARE DASH CAM Mobile Viewer App. With the THINKWARE DASH CAM Mobile app and the built-in Wi-Fi, the F770 allows you to conveniently view real-time camera view, as well as downloading, accessing, or deleting recorded videos on your mobile phone.



High-Temperature Protection System

The specially designed heat discharge construction and the built-in thermal sensor of the F770 protect the device and its data against intense heat by automatically turning it off to prevent overheating.



Dual Save Technology

THINKWARE DASH CAM's benchmarking technology – The DUAL SAVE function records all events triggered by strong collisions onto the two separate memory systems: The Nand Flash internal memory and the Micro SD external memory. This function ensures that your recorded video will still be safely guarded in the internal Nand Flash in case the external Micro SD gets compromised.

THINKWARE 1080P FULL HD SMART GPS DASH CAM F750

THINKWARE F750



The Thinkware F750 is a dashcam that is packed with features. With a 1080p Full HD camera, the F750 is able to record sharp quality video that captures the crucial details of any incidents you may encounter while driving. Recording at 30 frames per second, you can rely on the F750 to capture every moment of your commute in high definition – be it an accident or an unexpected hit-and-run. The dashcam not only saves video before and after a collision, but it can provide an audible warning to the driver when it detects there is a risk of an accident. This allows the driver to react before the dashcam’s crash recording becomes necessary. Another key feature is the Safety camera alert which is an exclusive safety feature from Thinkware and it can be used for alerting the drivers about the known locations of cameras on your driving routes while recording videos at the same time.

Road safety warning system

Equipped with the Road Safety Warning System that provides alerts for Lane Departure and Front Collision, the F750 detects road markings and gives voice warnings to the drivers if the vehicle begins to stray from its lane or when it is at risk of an imminent collision. This is a convenient feature for drivers who plan on driving long distances where fatigue may set in and save them from getting into an accident.



Safety camera alerts

The Safety Camera Alert is an exclusive safety feature from Thinkware that provides continuous alerts for photo enforcement locations on your driving routes while recording high quality videos at the same time. With the built-in GPS and safety camera location database, Thinkware Dash Cam actively monitors the vehicle location to inform you of approaching traffic/speed enforcement cameras such as red light cameras and speed cameras along your journey. Voice guidance on the dash cam screen will alert drivers of any approaching traffic enforcement cameras along the route. Thinkware Dash Cam employs a two-step warning system where the first warning will provide distance remaining from your current location to the camera location and the second warning will alert you when you have reached the exact traffic camera location.



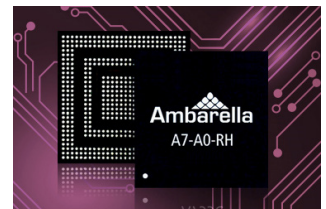
Advanced image correction technology

The F750 is equipped with an automatic exposure control which always ensures ideal exposure and superb image quality in any lighting conditions. It is also equipped with a high performance lens with a Sony Exmor CMOS image sensor to make sure that the recorded video footage is always accurately focused for maximum clarity even in rain or foggy conditions. The Advanced Noise Reduction System removes unwanted noise. ACCE (Adaptive Colour & Contrast Enhancement) automatically adapts to the surrounding environment and adjusts the image colour and contrast level. The Thinkware Dash Cam F750 has a 140° wide angle for maximum visibility, capturing a wider view of the roads.



Video recording and storage

The Thinkware Dash Cam F750 utilises the high performance Ambarella A7 CPU to provide optimal performance. The dash camera supports various recording modes that you can use according to your needs: Continuous Recording, Incident Recording, Parking Surveillance Mode and Manual Recording. It features the Dual Save technology that is specially designed to save recorded footage in both the microSD memory card and the built-in internal memory in incident recording to safeguarding against the loss of data in the aftermath of a severe collision. In the event that the memory card is damaged, the Dual Save Technology guarantees a backup copy of the video in the internal memory.



Control and configure the dash cam from Mobile App or PC

WiFi-enabled, you can easily control, manage and configure the settings of your dash cam with a smart phone through the Thinkware Dashcam Mobile App. A user can activate and control the Thinkware Dash Cam with a few simple buttons and no cable connections and get livestreaming on your smartphone or tablets. Even if you are a first time user, you will not face any problem with installation and understanding the controls.



Resolution	Screen Size	GPS	Size	Capacity	Time	Description	Code
1920x1080P	No	Safety	105x62x41mm	32GB	248min	with GPS, Safety & WiFi	F75032
1920x1080P	No	Safety	105x62x41mm	64GB	496min	with GPS, Safety & WiFi	F75064



THINKWARE 1080P FULL HD SMART GPS DASH CAM X500

THINKWARE X500



The Thinkware Dash Cam X500 is a premium dash camera that can capture Full HD 1080p quality video at 30fps. It has a 2.7" LCD display for instant playback, control/configuration and reviewing recorded footage. It features an impressive road safety warning system which gives warnings to the driver when the vehicle is at risk of accident, and a safety camera alert system which alert the driver about the location of speed infringement cameras. The dash cam uses a high quality image sensor to produce clear images, and it has a built-in GPS to supply the telemetry data for analysis using the Thinkware PC Viewer.

Resolution	Screen Size	GPS	Size	Capacity	Time	Description	Code
1920x1080P	2.7" 320x240	Safety	105x51x29mm	16GB	124min	with GPS & Safety	X50016
1920x1080P	2.7" 320x240	Safety	105x51x29mm	32GB	248min	with GPS & Safety	X50032
1920x1080P	2.7" 320x240	Safety	105x51x29mm	64GB	496min	with GPS & Safety	X50064

Road safety warning system

Equipped with the Road Safety Warning System that provides alerts for Lane Departure and Front Collision, the X500 detects road markings and gives voice warnings to the driver if the vehicle begins to stray from its lane or when it is at risk of an imminent collision. This is a convenient feature for drivers who plan to drive long distances where fatigue may set in and save them from getting into an accident.



Safety camera alerts

The Safety Camera Alert is an exclusive safety feature from Thinkware and it provides continuous alert for photo enforcement locations on your driving routes while recording high quality videos at the same time.

With the built-in GPS and safety camera location database, Thinkware Dash Cam actively monitors the vehicle location to inform you of approaching traffic/speed enforcement cameras such as red light cameras and speed cameras along your way.

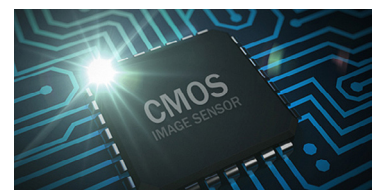
Voice guidance on the dash cam screen will alert drivers of any approaching traffic enforcement cameras along the route. Thinkware Dash Cam employs a two-step warning system where the first warning will provide distance remaining from your current location to the camera location and the second warning will alert you when you have reached the exact traffic camera location.



Advanced image correction technology

The 2.4 million pixel high resolution SONY Exmor CMOS image sensor can greatly improve the quality of night time images as well as day time images. Now, everything in front of X500 becomes brighter and clearer.

Your car is subject to diverse conditions and environments, whether driving at night, under strong direct sunlight, or entering and exiting a tunnel. The X500 has various image correction processes such as WDR, Super Night Vision, Smart AE and many other functions that are optimised for the product, leaving you with a clear and accurate footage under all circumstances.

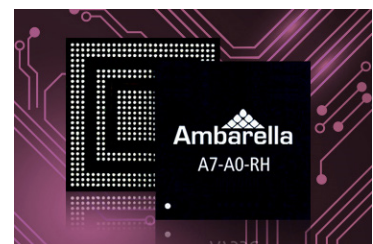


Video recording and storage

The Thinkware Dash Cam X500 utilises the high performance Ambarella A7 CPU to provide optimal performance.

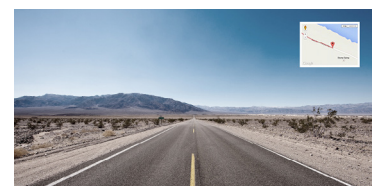
The dash camera supports various recording modes that you can use according to your needs: Continuous Recording, Incident Recording, Parking Surveillance Mode and Manual Recording. It features the Dual Save technology that is specially designed to save recorded footages in both the microSD memory card and the built-in internal memory in incident recording, safeguarding against the loss of data in the aftermath of a severe collision. In the event that the memory card is damaged, the Dual Save Technology guarantees a backup copy of the video in the internal memory.

In the event of a power loss during an accident, the X500's fail-safe recording uses the Super Capacitor to ensure that any recordings in progress are stored securely, so you can be sure that your data is safe.



Vivid driving information based on the built-in GPS

Using the GPS data in X500, it can precisely pinpoint the vehicle's driving speed, location and routes on the map. The GPS helps you to accurately assess the status of the accident by providing you with the vehicle speed, the direction of collision and the severity of impact. With just a few clicks on the Thinkware Dash Cam viewer on PC or Mac, you can playback front and rear (required optional rear camera) videos, and download recorded videos and view the information on your driving history and speed.



THINKWARE FULL HD DASH CAM F100

THINKWARE F100



The Thinkware F100 is one of the most advanced compact dash cams on the market with 1080P Full HD 30 frames per second video and 720P rear camera input (rear camera sold separately). With the optional GPS, you can record the vehicle's driving speed and provide its precise location and route identification on the map. You can also log data and get alerts to warn the driver of red lights and traffic enforcement cameras. It has dual save function to save the recorded video to the built-in memory and to a micro SD card. It also features high-temperature protection to suit Australian conditions and a parking surveillance mode with a lower frame rate for extending recording times.

Resolution	Screen Size	GPS	Size	Capacity	Time	Description	Code
1920x1080P	No	Optional GPSANT	78x34x31.5mm	16GB	124min	Optional GPS, optional rear camera	F10016
1920x1080P	No	Optional GPSANT	78x34x31.5mm	32GB	246min	Optional GPS, optional rear camera	F10032
1920x1080P	No	Optional GPSANT	78x34x31.5mm	64GB	496min	Optional GPS, optional rear camera	F10064

Safety camera alerts

With the optional Thinkware Dash Cams GPS (GPSANT), it can provide accurate location information while the Safety Camera Alert function is on continuous alert to warn the driver of red lights and traffic enforcement cameras.



PC viewer for checking clear and precise video

The intuitive and easy-to-use interface of THINKWARE DASH CAM PC VIEWER software allows you convenient access to your recorded videos with G-sensor and GPS data for speed and location. Compatible with both PC and Mac. You can also change the dash cam settings, access the memory card, or install updates with just a few clicks on the PC Viewer.



FORMAT FREE technology

Format Free Technology utilizes the TAT (Time Allocation Table) save system instead of 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 or smartphone without having to worry about converting files. THINKWARE DASH CAM saves you the hassle of manually clearing memory space.



Dual save technology

Dual Save technology is specially designed to save recorded footage in both the microSD memory card and the built-in internal memory in incident recording mode. It functions as a safeguard against the possible loss of data in the aftermath of a severe collision. In the event that the memory card gets damaged, the Dual Save Technology guarantees a backup copy of the video in the internal memory of the F100.



** The Dual Save Technology is activated when a specific level of impact is detected (The impact sensitivity is adjustable in the Dash Cam's settings).

Thermal protection

All THINKWARE Dash Cams feature Thermal Protection and are specially designed for efficient heat dissipation, but if the extreme Aussie heat gets too much, a built-in thermal sensor protects the device and its data against intense heat by automatically turning it off to prevent overheating.



Sophisticated impact detection

The X, Y, Z axes of the G sensor allows you to measure fluctuations in gravity, speed or rotation. You can figure out the axial movement and impact during an accident at a glance.



OPTIONAL: Comprehensive driving information with GPS

With the optional GPS Tracker (GPSANT), Thinkware Dash Cams can record the vehicle's driving speed and provide its precise location and route 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, the time of a collision, and the severity of the impact. The video recording feature not only stores driving footage in the case of an event, but it can also be used to track your holiday travel routes.



THINKWARE DASHCAM ACCESSORIES

OPTIONAL FRONT CABIN CAMERA - SUIT F100

Add the cabin camera to your Thinkware Dash Cams F100 for complete front and cabin surveillance. It is installed on the windscreen facing towards the driver to provide a wide viewing angle inside the cabin, record HD-quality video inside of your vehicle. Using THINKWARE PC viewer or Mobile viewer, you can view front and cabin videos for more comprehensive assessment of an incident. Includes 1x 60cm cable. 2x IR LED.

Code
F100IR



OPTIONAL REAR WINDOW CAMERA - SUIT X500

Add a rear view camera to complete front and rear surveillance. Installed on the rear window, it comes with a wide viewing angle, records Full HD-quality video and detects motion at the back of the vehicle. Using the Thinkware PC viewer, view front and rear video simultaneously on a single display for added parking assistance

- Full HD (1920 x 1080) and up to 30fps
- Camera Sensor: 2.19 Megapixel CMOS 1/2.9"
- 144 degree viewing angle
- Motion detection (Park mode only and requires permanent power with HWC)
- Glass Mount with 3M tape
- Connecting cable is 6.4m long

Code
X50F75RA



OPTIONAL REAR EXTERNAL CAMERA - SUIT F100

Add this waterproof rear view camera to your Thinkware F100 dash cam for complete front and rear surveillance. The F100WP is installed on the exterior at the rear of the vehicle to provide a clear view of what is happening behind the vehicle.

The F100WP records 720P HD-quality video and when parking mode is enabled the F100WP will also detect motion occurring at the back of your vehicle. Using THINKWARE PC viewer or Mobile Viewer, you can view front and rear videos for more comprehensive assessment of an incident. Includes 1x 5 M camera cable (fixed to camera) and 1x 10M Main cable

Code
F100WP



OPTIONAL REAR WINDOW CAMERA - SUIT F770

Add the rear view camera and connect to your Thinkware F770 dash cam for complete front and rear surveillance. It features FULL HD-quality video recording @ 30fps, wide viewing angle, and detect motion at park mode. Using THINKWARE PC viewer or Mobile viewer, you can view front and rear videos for more comprehensive assessment of an incident. Includes 6.4M connection cable.

- Full HD (1920 x 1080) and up to 30fps
- Camera Sensor: 2.19 Megapixel CMOS 1/2.9"
- 144 degree viewing angle
- Motion detection (Park mode only and requires permanent power with HWC)
- Glass Mount with 3M tape
- Connecting cable is 6.4m long

Code
F77RA



OPTIONAL REAR WINDOW CAMERA - SUIT F100

Add the rear view camera for complete front and rear surveillance. It is installed on the rear window to provide a wide viewing angle, record 720P HD-quality video and detect motion occurring at the back of your vehicle. Using THINKWARE PC viewer or Mobile Viewer, you can view front and rear videos for more comprehensive assessment of an incident. Includes 1x 5.5M cable.

Code
F100RA



REPLACEMENT REAR CAMERA CABLE - SUIT X500

Replacement cable to suit F750 and X500 rear camera. 6M, right angled.

Code
F755RAC



OPTIONAL EXTERNAL GPS RECEIVER - SUIT F100

The GPS signal receiver can be used to keep track of your vehicle's physical location and speed as you drive. During video playback, a simultaneous Google map view will show your vehicle's movement and speed. Suits Thinkware F100 dash cameras.

Code
GPSANT



REPLACEMENT REAR CAMERA CABLE - SUIT F770

Replacement cable to connect to F770 rear camera. 6M with right angled plug.

Code
F770RAC



OPTIONAL ACCESSORIES 12V POWER CABLE

This replacement power cable is suitable for all models of Thinkware Dash Cam. It provides power to all Thinkware dashcam, just plug into a 12V car accessory socket. 4.0 meter long lead.

Code
12VCC



OPTIONAL UNIVERSAL HARD WIRING 12V CABLE

The 5m cable loom allows for custom configuration of your dash cam's power supply so that the dash cam can be set to stay recording even when the vehicle's engine is off in the parking mode. The power module will also monitor battery voltage and turn off the dash cam when the voltage gets too low.

Length Code
5M HWC

