THINKWARE TW-X1000D32H

Thinkware X1000 Dual Channel Dash Cam User Manual

Model: TW-X1000D32H | Brand: THINKWARE

INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Thinkware X1000 Dual Channel Dash Cam. The X1000 is designed to record high-quality video footage from both the front and rear of your vehicle, offering enhanced security and peace of mind. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

WHAT'S IN THE BOX

Verify that all components are present in the package:

- 2K QHD Main Unit (Front Dash Cam)
- 2K QHD Rear Cam
- 32GB MicroSD Card
- Hardwiring Cable
- Windshield Mount with 3M Tape
- *(Optional: GPS Antenna, 12V Power Cable, Adhesive Wire Clips, Spare Mounting Tape, CS Info - may vary by package)*

PRODUCT OVERVIEW

The Thinkware X1000 is a high-performance dual-channel dash cam system. Key features include:

- **Dual 2K QHD Recording:** Captures clear, detailed footage from both front and rear cameras (2560 x 1440 resolution).
- **Sony STARVIS IMX335 Sensor:** Ensures sharp video quality even in low-light conditions.
- **Night Vision 3.0 with Real DOL HDR:** Advanced technology for improved visibility and color accuracy at night.
- **3.5" IPS Touchscreen:** Provides live view, playback, and easy access to settings directly on the device.
- **G-Sensor:** Automatically detects impacts and saves footage to a protected folder.
- **Anti-File Corruption:** Safeguards recorded video files on the microSD card.
- **Smart Parking Surveillance Suite:** Includes motion and impact detection, Time Lapse, and Energy Saving 2.0 modes (requires hardwiring).
- **Advanced Driver Assistance System (ADAS):** Provides alerts for Lane Departure, Forward Collision, and Front Vehicle Departure (requires optional GPS antenna).

Image: The Thinkware X1000 Dash Cam system, showing the main unit, rear camera, and hardwiring cable.

Image: Close-up front view of the Thinkware X1000 main unit, highlighting the QHD recorder lens.

Image: Rear view of the Thinkware X1000 main unit, displaying its 3.5-inch IPS touchscreen.

SETUP AND INSTALLATION

1. Prepare the MicroSD Card

Before first use, it is recommended to format the included 32GB MicroSD card using the dash cam's menu or the Thinkware PC Viewer software. This ensures optimal performance and compatibility.

2. Mount the Front Dash Cam

1. Clean the windshield area where the dash cam will be mounted. Ensure it is free of dust and grease.
2. Attach the 3M adhesive tape to the windshield mount.
3. Peel off the protective film from the adhesive tape and firmly press the mount onto the windshield, ideally behind the rearview mirror for an unobstructed view. Hold for at least 30 seconds.
4. Slide the main unit onto the mounted bracket.

Image: The Thinkware X1000 main unit installed on a vehicle's windshield, positioned discreetly behind the rearview mirror.

Image: Interior view of the Thinkware X1000 Dash Cam mounted on the windshield, displaying its screen.

3. Install the Rear Camera

1. Mount the rear camera on the rear windshield, ensuring a clear view.
2. Connect the rear camera cable to the rear camera and route it neatly along the vehicle's headliner and A-pillars to the main unit.
3. Plug the rear camera cable into the appropriate port on the main unit (usually labeled "V-IN" or "REAR CAM").

4. Power Connection (Hardwiring)

The X1000 includes a hardwiring cable for continuous power and parking surveillance features. Professional installation is recommended for hardwiring.

- Connect the yellow wire (BATT) to a constant power fuse (always on).
- Connect the red wire (ACC) to an accessory power fuse (on when ignition is on).
- Connect the black wire (GND) to a metal ground point on the vehicle chassis.
- Plug the hardwiring cable into the DC-IN port on the main unit.

Alternatively, a 12V power cable (cigarette lighter adapter) can be used for basic recording, but parking surveillance features will not be available.

Image: Top view of the Thinkware X1000 main unit, illustrating the various connection ports for power, GPS, and the rear camera.

5. Optional GPS Antenna Installation

If you have the optional GPS antenna, connect it to the GPS port on the main unit. This enables speed logging, route tracking, and ADAS features.

OPERATING INSTRUCTIONS

Powering On/Off

- The dash cam will automatically power on when the vehicle's ignition is turned on (if hardwired) or when connected to a 12V power source.
- To manually power off, press and hold the PWR button on the side of the unit.

Image: Side view of the Thinkware X1000 main unit, indicating the power button and reset pinhole.

Recording Modes

The X1000 supports various recording modes:

- **Continuous Recording:** Records automatically when the vehicle is in operation. Footage is saved in 1-minute segments.
- **Incident Recording:** Triggered by the G-sensor upon impact. These files are saved in a separate, protected folder and are not overwritten by continuous recording.
- **Manual Recording:** Press the REC button to manually initiate an event recording.

Using the Touchscreen

The 3.5-inch IPS touchscreen allows for easy control:

- **Live View:** Displays real-time footage from the front and rear cameras.
- **Playback:** Review recorded videos directly on the device. Navigate through folders (Continuous, Incident, Manual, Parking).
- **Settings:** Access and adjust various settings such as recording quality, G-sensor sensitivity, parking mode options, and ADAS settings.

Image: Visual comparison demonstrating the superior viewing angles of an IPS panel compared to a standard panel, as featured on the X1000's touchscreen.

PARKING SURVEILLANCE MODES

When hardwired, the X1000 offers advanced parking surveillance features to protect your vehicle while parked:

- **Motion Detection:** Records 20-second video clips when motion is detected around the vehicle.
- **Impact Detection:** Records 20-second video clips when an impact is detected while parked.
- **Time Lapse Recording:** Records continuously at 2 frames per second, compressing hours of footage into minutes.
- **Energy Saving 2.0:** Extends parking coverage by putting the dash cam into a low-power standby mode, waking up to record only when an impact is detected.

Image: Depiction of the dash cam's parking surveillance mode, showing motion detection in a parking environment.

Image: A battery indicator symbolizing the energy-saving feature of the parking surveillance mode, designed to extend recording time.

ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS)

With the optional GPS antenna, the X1000 provides ADAS features to enhance driving safety:

- **Lane Departure Warning System (LDWS):** Alerts you if your vehicle drifts out of its lane.
- **Forward Collision Warning System (FCWS):** Warns you of an impending collision with the vehicle ahead.
- **Front Vehicle Departure Warning (FVDW):** Notifies you when the vehicle in front starts to move from a standstill.
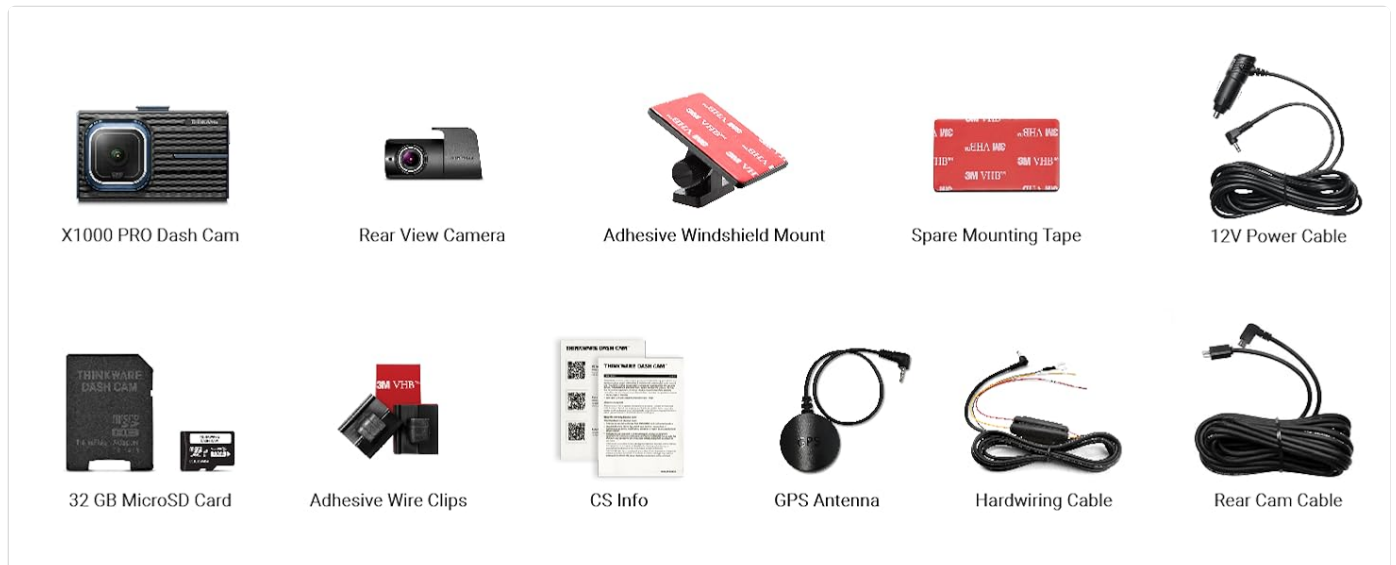
Image: A visual representation of the Advanced Driver Assistance System (ADAS) in action, showing alerts for lane departures and potential forward collisions.

MAINTENANCE

- **MicroSD Card Management:** Regularly format the microSD card (e.g., once a month) to prevent data corruption and ensure optimal recording performance. The X1000 features Anti-File Corruption technology, but periodic formatting is still recommended.
- **Cleaning:** Use a soft, dry cloth to clean the dash cam lens and touchscreen. Avoid abrasive cleaners or solvents.
- **Firmware Updates:** Check the Thinkware website periodically for firmware updates to ensure your dash cam has the latest features and bug fixes.

Countries

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Image: Side view of the Thinkware X1000 main unit, highlighting the microSD card slot for easy access and maintenance.

Image: A conceptual image representing the Anti-File Corruption technology, which protects recorded video files on the memory card from data loss.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Dash cam does not power on.	Loose power connection, vehicle power issue, faulty cable.	Check all power cable connections. Ensure vehicle's ignition is on if using ACC power. Test with a different power source if possible.
Recording stops or footage is corrupted.	MicroSD card error, card full, incompatible card, card wear.	Format the microSD card. Try a new, high-quality microSD card. Ensure the card is Class 10 or higher.
Screen is blank or unresponsive.	Software glitch, power issue.	Perform a soft reset using the reset pinhole (refer to side view image). Ensure stable power supply.

Problem	Possible Cause	Solution
Parking mode not working.	Not hardwired, incorrect hardwiring, low vehicle battery.	Ensure the dash cam is correctly hardwired to constant and accessory power. Check vehicle battery voltage.
ADAS features not active.	GPS antenna not connected or faulty, ADAS settings disabled.	Ensure the optional GPS antenna is securely connected. Enable ADAS features in the dash cam settings.

SPECIFICATIONS

Feature	Detail
Model Name	TW-X1000D32H
Product Dimensions	3.9 x 0.9 x 1.3 inches
Item Weight	1.25 pounds
Video Capture Resolution	Front: 2K QHD (2560x1440p), Rear: 2K QHD (2560x1440p)
Field of View	156 Degrees (Wide Angle)
Sensor	Sony STARVIS IMX335
Display	3.5" IPS Touchscreen
Connectivity Technology	USB (for PC connection)
Special Features	Night Vision 3.0, Real DOL HDR, G-Sensor, Anti-File Corruption, Smart Parking Surveillance Suite (Motion/Impact Detection, Time Lapse, Energy Saving 2.0), ADAS (LDWS, FCWS, FVDW - with optional GPS)
Included Components	Main Unit, Rear Cam, 32GB MicroSD Card, Hardwiring Cable, Windshield Mount with 3M Tape
Mounting Type	Adhesive Mount
Color	Black

SAFETY INFORMATION

- Do not install the dash cam in a location that obstructs the driver's view or interferes with airbag deployment.
- Ensure all cables are routed safely and do not interfere with vehicle controls.
- Avoid exposing the device to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Do not attempt to disassemble or modify the device. This will void the warranty and may cause damage.
- Use only genuine Thinkware accessories and power cables.
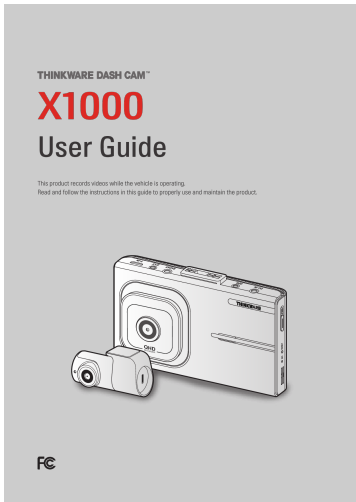
WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official THINKWARE website. You can also visit the THINKWARE Store on Amazon for additional resources and contact information. The product is sold by THINKWARE USA, ensuring official support channels are available.

Related Documents - TW-X1000D32H

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	THINKWARE DASH CAM U1000 Plus User Guide Comprehensive user guide for the THINKWARE DASH CAM U1000 Plus, covering installation, features, settings, and troubleshooting for this 4K UHD vehicle dash camera.
	Thinkware Dash Cam ARC Quick Start Guide A concise guide to setting up and using your Thinkware Dash Cam ARC, including powering the device, downloading the companion app, connecting to the app, installing front and rear cameras, and understanding dash cam settings.
	THINKWARE DASH CAM U3000 User Manual Comprehensive user manual for the THINKWARE DASH CAM U3000, covering installation, recording functions, mobile and PC viewer usage, settings, troubleshooting, and specifications. This guide provides detailed instructions for optimal product use and maintenance.
	THINKWARE U3000 Dash Cam User Manual Comprehensive user manual for the THINKWARE U3000 Dash Cam, covering installation, features, settings, troubleshooting, and software usage. Learn how to install, operate, and maintain your THINKWARE U3000.
	THINKWARE U1000 Dash Cam User Guide Comprehensive user guide for the THINKWARE U1000 dash cam, detailing installation, features, settings, mobile and PC connectivity, and troubleshooting for optimal vehicle recording.

Documents - THINKWARE – TW-X1000D32H

[pdf] Instructions Guide

Untitled TW X1000D32H User Guide Thinkware X1000 Dash Cam with Rear View Camera 32GB microSD Card Kit 123 Security Products 123securityproducts lanotattachments file id 195439 store 1 ||| X1000 User Guide This product records videos while the vehicle is operating. Read and follow the instructions in this guide to properly use and maintain the product. QHD RECORDER Before using the product About the product This product records videos while the vehicle is operating. Use this product...

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[pdf] User Manual Quick Start Guide Guide

X1000 QSG en indd TW X1000D32H Quick Start Guide Thinkware Dash Cam with Rear View Camera 32GB microSD Card Kit 123 Security Products 123securityproducts lanotattachments file id 195450 store 1 |||

Before using the product This Dashboard Camera dash cam is a specialized onboard device that continuously records while the vehicle is in use. This manual contains basic steps required for X1000 installation. For detailed information, please refer to the user guide in the memory card included in t...

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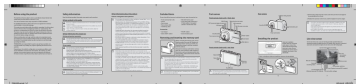
[pdf] User Manual Quick Start Guide Guide

X1000 QSG en indd Safety information Surveillance Video THINKWARE Dash Cam records and saves video of vehicle accidents It does not however guarantee to record all Accidents with light impact that is not TW X1000D32H Quick Start Guide surveillance media lanot attachments customimport |||

Before using the product This Dashboard Camera dash cam is a specialized onboard device that continuously records while the vehicle is in use. This manual contains basic steps required for X1000 installation. For detailed information, please refer to the user guide in the memory card included in t...

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