W2-ST02

4G AI DASHCAM & GPS VEHICLE TRACKING SYSTEM



Intelligent fleet safety, video surveillance and GPS telematics in one platform.

W2-ST02 combines AI-powered road safety alerts, driver behaviour monitoring, live 4G video connectivity and location tracking for commercial fleet operations.

Channel configurations: 2-channel road + cabin; 3-channel road + cabin + rear; 4-channel road + cabin + rear + side. Camera configuration and accessories depend on deployment.

Applications: Commercial fleets, logistics, passenger transport, employee transportation and vehicle security.

KEY FEATURES

- 4G LTE Cat 1 connectivity for remote video surveillance, alerts and cloud-enabled workflows.
- ADAS: forward collision/headway and lane departure warnings.
- DMS: fatigue, distraction/mobile-phone use, smoking and covered-lens events.
- GPS tracking with trip history and route playback.
- Built-in microphone and speaker for live two-way communication.
- Local storage support up to 512 GB; H.264/H.265 video compression.

VIDEO & COMMUNICATION SPECIFICATIONS

Built-in video channels	Road-facing 1080p ADAS + cabin-facing 720p IR/night-vision DMS; 1080p + 720p at 30 fps
Expanded channel options	2, 3 or 4 channel configurations described in supplied product brief; rear/side camera details not specified
Mobile network	4G LTE Cat 1
LTE frequency bands	FDD B1/B3/B5/B8; TDD B34/B38/B39/B40/B41
Audio	Built-in microphone and speaker; live two-way talk
Video compression	H.264 / H.265 (H.264 default)

OEM specifications for model W2-ST02 are subject to change based on the latest updates.

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DETAILED TECHNICAL SPECIFICATIONS

Local storage	Up to 512 GB supported
Sensors	3-axis G-sensor
Digital interfaces	2 digital inputs; 1 digital output
Serial interface	RS232
Wireless local interface	Wi-Fi 2.4 GHz
GNSS	GPS + BeiDou with external GNSS antenna/module
Operating voltage	9–36 V DC
Operating temperature	-20°C to +70°C
Dimensions	120 × 77 × 55 mm
Weight	Approx. 240 g
AI ADAS events	Lane departure, forward collision and headway/distance monitoring
AI DMS events	Fatigue, mobile phone use, smoking, covered lens
AI feature requirements	Calibration and enablement required

SYSTEM CAPABILITIES

Road & driver monitoring: Outward road-facing ADAS camera and inward cabin-facing IR DMS camera.

Expanded vehicle visibility: Rear and side views can be included in the 3-/4-channel configurations described in the source.

Fleet oversight: GPS-enabled location tracking, route playback, remote video and event notifications.

Safety analytics: AI event functions help identify driving hazards and driver behavior risks.

IMPORTANT PRODUCT NOTES

Availability of additional cameras (>02), accessories, cloud storage and service plans should be confirmed before quotation.

For more information or Sales related queries, please contact W2track Team & visit us at www.w2track.com