

MDVR systems, model WD11

WD11 MDVR

Dual-SD AI MDVR with 3D passenger counting, H.265 and 10–36 V

The WD11 is an SD-card mobile DVR for buses. It records 1080p or 720p cameras in H.264 or H.265 to two SD cards of up to 256 GB each, and supports ADAS, DMS, BSD and 3D binocular passenger counting on one to four doors. It runs on 10–36 V and takes optional 4G, GPS and Wi-Fi modules.



3D passenger counting

A binocular infrared sensor above each door, on one to four doors, processed by the recorder.

ADAS, DMS and BSD

Lane, pedestrian and distance warnings, driver fatigue and distraction alerts, and blind-zone alarms.

Dual SD, 256 GB each

About 33 hours of four-camera 1080p video per card at standard quality; H.265 roughly doubles that.

10–36 V input

Wide-voltage power with protection circuits, for 12 V and 24 V vehicles.

Video

Cameras	4 × 1080p or 8 × 720p
Resolution	1080p, 720p, D1, HD1, CIF
Codec	H.264 / H.265
Output	VGA and aviation connector

AI safety

AI channels	Up to 4 at once: 1 ADAS, 1 DMS and 2 BSD
DMS	Closed eyes, yawning, distraction, phone calls, smoking, face lost, blocked camera
ADAS	Lane departure, pedestrian detection, vehicle distance warning
BSD	Left and right blind-zone alarms
Passenger counting	3D binocular with infrared, 1–4 doors, 120 cm door width per sensor; rated above 95% accuracy

Connectivity

Network	4G, Wi-Fi and GPS modules (optional)
Platform	Traqcare app and web platform: live view, playback, intercom, screenshots

Storage

Memory cards	Dual SD, up to 256 GB each
Recording	Loop, timed and alarm recording; up to 24 hours after ignition off; capacitor power-failure protection

Power & build

Input voltage	10–36 V DC; overload, under-voltage, short-circuit and reverse-polarity protection
Power draw	max 10 W
Operating temperature	-20 °C to +70 °C
Size and weight	128 × 133 × 42 mm, 0.53 kg
Security	User and administrator passwords

Interfaces

Alarm inputs	4 × IO
Serial	1 × RS232 (card reader, fuel sensor), 1 × RS485 (pan-tilt camera)

Last updated 2026-10-01. Request a quote: <https://dashcamforcars.com/contact-us/>