

MDVR cameras, model AHD005

AHD005 DSM Camera



1080p infrared driver camera for fatigue, distraction and helmets

The AHD005 is a driver-facing DSM camera that records 1920 × 1080 through a 170° lens with infrared night vision. It detects drowsiness, yawning, closed eyes and distraction, and checks whether a hat or helmet is worn. It runs on 12–24 V from -20 °C to 70 °C and connects to an MDVR.

Fatigue and distraction

Detects drowsiness, yawning, closed eyes and the driver looking away from the road.

Infrared, 170° lens

1920 × 1080 infrared imaging keeps detection working at night.

Hat and helmet detection

Checks whether headgear is worn, for site-safety and cab rules.

Video

Resolution	1920 × 1080
Sensor	1/2.9-inch CMOS
Lens	170°
Night vision	Infrared

AI safety

Fatigue detection	Drowsiness, yawning, closed eyes
Distraction detection	Looking away from the road
Hat and helmet detection	Worn or not worn

Power & build

Input voltage	12–24 V
Operating temperature	-20 °C to 70 °C

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