



**Rocket Science  
Technologies**



*Picture for reference only, subject to actual product.*

# **Rakshak Drive Cam**

***DUAL-CHANNEL AI VIDEO DASHCAM***

**Data Sheet - v1.0 - 2026**

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## Overview

The Rakshak Drivecam (RST261) is a 4G LTE Cat.4 AI dashcam for commercial fleet management. Features dual-channel recording with front 1080p@25fps main camera (85° HFoV) and optional peripheral cameras for driver/cabin/rear monitoring. AI Safety Suite includes DMS (fatigue/distraction detection), ADAS (LDW/FCW/HMW), seatbelt detection, and face recognition. Supports Tracksolid Pro platform, TTL sensor integration, GPS/BDS positioning across -20°C to +65°C operating range.

## Technical Specifications

|                           |   |
|---------------------------|---|
| Model                     | RST261  |
| Dimensions                | 109×69×52mm   |
| Weight                    | 233g  |
| Operating Temperature     | -20°C to +65°C  |
| Storage Temperature       | -30°C to +85°C  |
| Certifications            | CE/FCC/RoHS   |
| Power Supply              | DC 9-30V (B+/ACC/GND)   |
|                           |   |
| Front Camera (Main)       | 1920×1080@25fps, F2.2, full color, 85° HFoV   |
| Peripheral Camera Options | CI01: 1280×720@15fps, F2.0, 100° HFoV (day/IR color)<br>CI03: 1280×720@15fps, F2.4, 119° HFoV (day/IR color)<br>CE01: 1280×720@15fps, F2.0, IP67, 125° HFoV (full color)<br>JC170: 1280×720@15fps, F2.4, 56° HFoV (IR monochrome) |
| Video Format              | .ts (H.265 compatible)  |
| Storage                   | TF card up to 256GB   |
|                           |   |
| Cellular                  | 4G LTE Cat.4<br>(Eurasian: B1/3/5/7/8/19/20 FDD, B38/39/40/41 TDD)<br>(American: B2/3/4/5/7/12/17 FDD, B38/41 TDD)  |
| Wi-Fi                     | 2.4GHz (AP/STA/WiFi Direct)   |
| Bluetooth                 | BLE 4.0   |
| GNSS                      | GPS/BDS positioning   |
| SIM                       | Nano SIM  |
| Platform                  | Tracksolid Pro, API/IoT Hub integration   |

|                |  |
|----------------|--|
|                |  |
| Interfaces     | Micro USB×1, SOS×1, TTL×1 (fuel/temp/RFID), Relay×1      |
| Sensors        | 3-axis accelerometer                                     |
| Audio          | Built-in microphone + speaker                            |
| LED Indicators | Red (Power), Blue (Cellular), Green (GNSS)               |
|                |  |
| Network        | Optional 4G (CAT4 or CAT1), 3G, 2.4G Wi-Fi (STA/AP mode) |
| Protocols      | CMS V9/V6, JT808/JT1078/GB28181                          |

## AI Safety Suite

|                                   |   |
|-----------------------------------|---|
| Driver Monitoring (DMS, optional) | Fatigue, distraction, phone use, smoking, driver absence                                |
| Advanced Driver Assistance (ADAS) | Lane Departure Warning (LDW), Forward Collision Warning (FCW), Headway Monitoring (HMW) |
| Additional AI                     | Seatbelt detection, face recognition (optional)   |
| Alerts                            | Collision, vibration, SOS, speeding   |

## Accessories

- Mounting Bracket                      Uniform quick-release mount
- Power Harness                         Vest/helmet magnetic attachment
- Peripheral Cameras                    Portable extended charging
- TTL Harness                             Multi-unit desktop station
- Nano SIM Tray                          Data transfer & charging

\* Product information is subject to change without prior notice.

\* All images are for reference purposes only. Actual products may vary.