AI powered
Dash Cam Solution

Fleet Complete

Vision Specifications

Technical Specifications

Features & Technical Specifications

Platform Core	Operating System: Google Android™ 9.0 Development Environment: Google Android™ ADT Processor: Qualcomm, SDM450-2 GHz (8x ARM® Cortex™ A53) RAM: 2GB (Standard) / 3GB (Enhanced) ROM: 16GB (Standard) /32GB (Enhanced) Memory Card: Support Micro SD card slot - up to 256 GB (internal) Watchdog: SW based for application recovery HW based for system recovery
Driver Interface	HW: Keys Multi-purpose LEDs: 1 X System status (3 color), 1 X Driver feedback Light Sensor: Configurable for IR LED activation Internal Microphone: High Sensitivity Internal Speaker: 1 X 1W
Wireless communication (Integrated, Onboard Internal Antennas)	Cellular (Enhanced version): – FDD 1/2/3/4/5/7/8/12/13/17/20/28 – GSM 850/900/1800/1900 – WCDMA 1/2/4/5/8 (DC-HSPA+) – 3FF, Micro SIM (Internal) GPS: – 50 Channel, NMEA 0183, AGPS. – Satellite Systems Support: GPS, – GLONASS, Beidou, Galileo GPS: – WiFi 802.11 b/g/n/ac 2.4/5 GHz – Dual mode, WiFi Direct Bluetooth: V4.1 (Voice and Data) / BLE NFC: NXP, PN547, 13.56MHz, IS15693 and IS18000-3

106.9mm · 127.8mm · 101.9mm · 86.9mm

Features & Technical Specifications

Motion Control	Motion Sensors: 3D Accelerometer
Power	Internal Battery: Li-Ion 135mAh for ordered shutdown upon power-cut
Mechanical	Vibration: SAE J1455 Compliant Mechanical Shock: SAE J1455 Compliant
Integrated Cameras	Road Facing: – 2MP, Full HD, 1080p – Low light sensitivity – 86dB dynamic range (HDR mode) – 30fps – 1100 FOV Cabin Facing: – 2MP, Full HD, 1080p – Near Infrared sensitivity + IR LEDs – 68dB dynamic range (multiple exposure) – 120fps – 1400 FOV
Environmental	Temperature Range: – Operating: -20 °C to +70 °C – Storage: -30 °C to +80 °C Humidity: 95% ±5% RH, +40°C, non-condensing IP: IP41 Drop: MIL-STD-810G Compliant RoHS: ROHS II Compliant Standards Compliance: FCC, IC, CE, E-Mark, PTCRB
Communication Interfaces	RS-232: – 1X RS-232 (* Basic & Intermediate models only) – 1 X RS-232 for Debug USB: – 1 X USB (Micro) – [Basic\Intermediate: 3.0 High Speed] – [Enhanced\Hub-C: USB HUB 2.0 (Host)]
Peripherals Control	GPIP: – 1Xinput(0-32V) – 1 X Open collector Output – 1 X I/O (configurable)