

## AI DASHCAM — ROAD ONLY

# BD1000

## Road-Facing AI Dashcam for Fleets

Built on powerful AI edge processing, FleetCam Essential gives you everything you need to monitor your fleet and improve driver safety and accountability. This road-only model delivers a crystal-clear, HD road-facing camera with AI safety event detection, alerts, and excellent low-light visibility.



1080P HD Video

Wi-Fi + 4G LTE

Built-in GPS

AI-Powered ADAS

### KEY FEATURES

- ✓ Plug & Play installation (OBD-II & J-Bus)
- ✓ Wide-angle, 1080P HD road-facing camera
- ✓ Infrared for excellent low-light performance
- ✓ AI-powered ADAS: lane departure, following distance & more
- ✓ Built-in GPS tracking with regular position updates
- ✓ Wi-Fi hotspot keeps driver devices connected
- ✓ Wi-Fi & 4G cellular communication
- ✓ Remote wake-up / sleep mode conserves vehicle battery
- ✓ Six-axis sensor detects harsh driving events
- ✓ Dual Micro SD card storage, up to 512GB each
- ✓ SOS button with manual trigger & Privacy Mode
- ✓ Rugged -40°C to +70°C operating range

### APPLICATIONS

Fleet Safety Monitoring

Driver Coaching &amp; Accountability

Insurance &amp; Liability Protection

Accident Documentation

Route &amp; Trip Verification

Regulatory Compliance

## BD1000 Road Only — Full Technical Specifications

| POSITIONING                |                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------|
| <b>GNSS Constellations</b> | GPS L1 C/A, Galileo E1, GLONASS L1, BDS B1 / B1C, QZSS L1 C/A                             |
| POWER                      |                                                                                           |
| <b>Power Supply</b>        | 12V - 24V DC                                                                              |
| <b>Standby Consumption</b> | 13.5V @ 5.66mA / 27V @ 3.4mA                                                              |
| <b>Sleep Consumption</b>   | 4G + MCU powered: 13.5V @ 71-125mA / 27V @ 30-56mA                                        |
| <b>Power Draw</b>          | ~7.56W typical / ~10.06W full-load                                                        |
| RECORDING                  |                                                                                           |
| <b>Video Compression</b>   | H.264 / H.265 (default)                                                                   |
| <b>Audio Compression</b>   | ADPCM, G.711, G.726                                                                       |
| <b>Image Resolution</b>    | ADAS 1080P (1920 × 1080)                                                                  |
| <b>Video Standard</b>      | PAL & NTSC                                                                                |
| STORAGE & SENSOR           |                                                                                           |
| <b>Six-Axis Sensor</b>     | Detects harsh acceleration, braking & cornering                                           |
| <b>Micro SD Card</b>       | ×2 slots, SDXC 32/64/128/256/512GB (approved cards only)                                  |
| ENVIRONMENT                |                                                                                           |
| <b>Operating Temp.</b>     | -40°C to +70°C (-40°F to +158°F)                                                          |
| <b>Storage Temp.</b>       | -40°C to +85°C (-40°F to +185°F)                                                          |
| <b>Humidity</b>            | 15% to 95%, non-condensing                                                                |
| <b>Ingress Protection</b>  | IP30                                                                                      |
| NETWORK                    |                                                                                           |
| <b>Wi-Fi</b>               | 2.4GHz, 802.11 a/b/g/n                                                                    |
| <b>4G — North America</b>  | LTE FDD B2/B4/B5/B12/B13/B14/B66/B71, WCDMA B2/B4/B5                                      |
| <b>4G — Europe / Asia</b>  | LTE FDD B1/B3/B7/B8/B20/B28A, WCDMA B1/B8, GSM B3/B8                                      |
| <b>4G — Latin America</b>  | LTE FDD B1/B2/B3/B4/B5/B7/B8/B28, LTE TDD B40, WCDMA B1/B2/B5/B8, GSM B2/B3/B5/B8         |
| PHYSICAL                   |                                                                                           |
| <b>Dimensions</b>          | 113.0mm (L) × 67.2mm (W) × 57.0mm (H), without bracket                                    |
| <b>Net Weight</b>          | 295g, device only                                                                         |
| <b>Gross Weight</b>        | 745g, incl. accessories & packaging (±10g)                                                |
| AUDIO-VIDEO                |                                                                                           |
| <b>AV Recording</b>        | 1-channel, road-facing camera                                                             |
| <b>Video Coding</b>        | H.265                                                                                     |
| <b>Audio Compression</b>   | G.711                                                                                     |
| <b>Microphone</b>          | Built-in MIC                                                                              |
| <b>Loudspeaker</b>         | Built-in, 3W, adjustable volume, ≥70dB at 1m                                              |
| INTERFACES & CONTROLS      |                                                                                           |
| <b>I/O Port</b>            | 1-channel input                                                                           |
| <b>Button Controls</b>     | Single click: SOS trigger / Press & hold: Privacy Mode / Double-click (2s): Wi-Fi AP Mode |

## DETECTION & ALERT EVENTS

|                            |                           |                |                   |                                         |
|----------------------------|---------------------------|----------------|-------------------|-----------------------------------------|
| Following Distance Warning | Forward Collision Warning | Lane Departure | Rolling Stop Sign | Pedestrian Warning                      |
| Harsh Cornering            | Harsh Accelerating        | Harsh Braking  | SOS / PTO Event   | Low Voltage / Memory Error / Video Loss |