RioV360

AI Pedestrian Detection System

Confidently Built for the Real World.

Rugged by design.
Proven in the harshest environments.
No Wi-Fi or connectivity required.



System Specifications

Monitor

Screen Size: 7-inch IPS
Resolution: 1024 × 600 (RGB)
Viewing Angle: Left/Right: 85° / Up/Down: 85°
Video Input: 4-channel AHD 1080p / 720p
Video Recording: 1920 × 1080p at 25 FPS per channel
Storage: 256 GB high-endurance microSD included, 512 GB upgrade available (80 MB/s minimum)
Power Input: DC 8 to 32V, maximum 5W
Operating Temperature: −20°C to +70°C
Storage Temperature: −30°C to +80°C
Dimensions (L × W × T): 218 × 149 × 82 mm (bracket and sunshade included)
Audio: Built-in microphone and speaker
Video System: PAL / NTSC
AI Detection: Person, vehicle and object detection with configurable green, yellow, and red alert zones
Screen Modes: Single, dual, triple, or quad display

Cameras

Camera Type: AI-compatible AHD 1080p vehicle camera
Image Sensor: 1/2.9" CMOS
Resolution: 1920 × 1080
Minimum Illumination: 0 lux (with built-in infrared enabled)
IR-CUT: Automatic day / night switching
Viewing Angle: 130°
Dust & Water Protection: IP69K
Mechanical Impact Resistance: IK06 (1 joule)
Camera Operating Temperature: −20°C to +60°C
Storage Temperature: −30°C to +80°C
Operating Voltage: DC 12V / 5W

System

Kit Contents: 4 AI cameras, 7-inch monitor, external flashing beacon, and complete installation kit
Operating Voltage: 8 to 32 VDC (full system)
Detection Range: 0 to 5 meters (configurable by camera and zone)
Recording Format: H.264 TS, four simultaneous channels

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