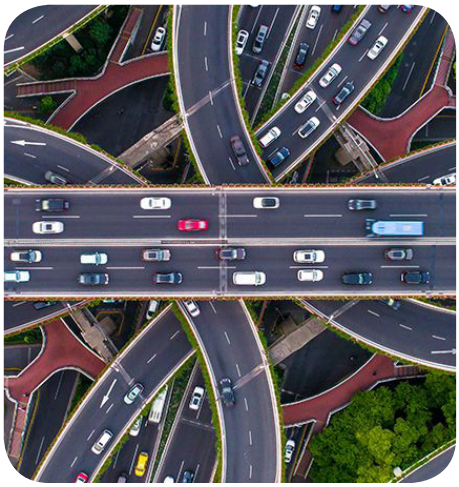
ADAPTIVE RECOGNITION

PROJECT PRODUCTS

ENFORCECAM

Detect traffic violations automatically and anywhere (without human resource)



Human attention is a valuable – but limited resource. This is why traffic authorities help their teams with smart and automated solutions for traffic analysis. All traffic checks that can be automatized – are implemented by EnforceCAM.

Using innovative AI-based software, it detects red light crossings, forbidden turns, driving against traffic, unauthorized bus lane usage, closed railroad crossing and more. In addition to all these smart traffic enforcement features, EnforceCAM comes with Automatic Incident Detection that helps traffic authorities act immediately and inform the traffic automatically by sending updates to other ITS endpoints.

Its remote access guarantees the convenient use of the camera's enforcement functions without the need to be personally present in critical traffic locations.

Main benefits

- AID – Automatic Incident Detection
- Customizable enforcement functions such as solid line crossing, wrong-way driving, red light crossing, improper lane use and the use of closed railroad crossings
- Remote access
- Durable IP67 housing

Adaptive Recognition **America**
Adaptive Recognition **Hungary**
Adaptive Recognition **Nordic**
Adaptive Recognition **Singapore**

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EnforceCAM

Specifications

• integrated LED illumination • video analytics by onboard processor • user-defined event detection • customizable traffic enforcement options

Camera

Image sensor	Aptina 3 MP 1/3" , WDR
Sensitivity	Day/Night: 0.65 lux / 0.01 lux / 0 lux
Shutter time	1/6 s – 1/20,000 s
Day/night mode	True
WDR mode	True (100 dB)
Lenses	3-10.5 mm, motorized focus/zoom

IR illuminator

IR wavelength	850 nm
Number of LEDs	8
Flash time	Software adjustable, up to 950 µs
Power consumption	Max. 6 W
IR illumination distance	50 m

Imaging

Resolution	4:3: 2048×1536, 1920×1440, 1280×960; 640×480 | 16:9: 2048×1152, 1920×1080, 1280×720, 640×360	
Frame rate	Normal Mode: H.264 4:3: 25 fps (2048×1536), 30 fps (1920×1440), 40 fps (1280×960) | H.264 16:9: 35 fps (2048×1152), 40 fps (1920×1080), 45 fps (1280×720)	ECO mode: H.264 4:3: 15 fps (2048×1536), 18 fps (1920×1440), 25 fps (1280×960) | H.264 16:9: 20 fps (2048×1152), 24 fps (1920×1080), 32 fps (1280×720)
Image settings	Brightness, Contrast, Gamma, Saturation, Sharpness, Noise Filtering, White balance (5 presets), Operation mode (gain/exp preference), Exposure control, Gain control, Anti-flickering (50 Hz/60 Hz), Backlight compensation (adjustable zones), Software WDR mode, Day/Night mode (Auto/Day/Night), Day/Night mode preference, Image Mirroring	
Encoder settings	Codec Type, Quality, I-frame Distance, Resolution, Frame Limit, Reduced Frame Rate Control, Bandwidth Limit, Pre- and Post-alarm	

Camera software

Motion detection	64 polygon per mask, 8 masks, All masks with adjustable sensitivity and motion percent parameters, Separated motion detector for monitoring and for recording

Intelligent video analytics

Detectors	Motion Detector Tampering detectors: Covering detection, Rotation detection
Traffic intelligence	RedStop detector, EmergencyLane detector, ForbiddenZone detector, WhiteLineViolation detector, WrongTurn detector, Stop detector, UTurn detector, WrongWay detector
Object tracker	64 polygon for masking, Object behavior settings, Day-time/Night-time sensitivity, Environmental settings

Interface

Ethernet	10 BaseT/100 BaseTX, RJ-45
Reset button	Reset To Factory Defaults (IP Address Reset)
SD-card slot	Fix eMMC memory, 64GB, External SD card slot - YES, Internal SD card slot - OPTIONAL

Network

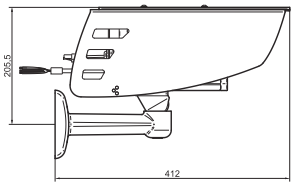
Protocols	NTP, TCP/IPv4, DHCP, DNS
Security	Camera User Name and Password

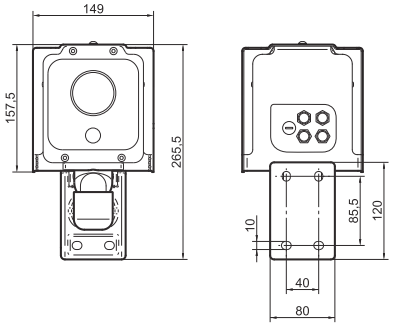
General

Environmental protection	IP67
Operating conditions	-40 °C – +55 °C (-40 °F – 131 °F)
Input Voltage	24 V – 28 V AC / 34 V – 38 V DC
Power consumption	Max. 21 W
Weight (with bracket)	4.7 kg (10.4 lbs)
Certificates	CE: EN 55022, EN 55024, RoHS, FCC compliant

Compression

Video compression	H.264 – Hierarchical P encoding
Bit rate	500 Kbps – 18 Mbps
Streaming	Intellio Video Streaming, Dual streaming over RTSP





Technical specifications are subject to change without prior notice.
This document does not constitute an offer.