



MONITOREAL

Integrate Edge AI Into Existing Security Systems

MONITOREAL VIDEO SECURITY HUBS



Accurate AI Object Detection

Highly accurate, Edge AI analytics appliance that ignores irrelevant events.

Customizable rules generate instant alerts on 24+ objects (people, vehicles, and more).

Pair with AI-powered accessories to control connected devices.



Edge AI: Privacy and Security

An on-premise based solution built with complete privacy in mind.

All video processed locally and behind the firewall.

No external company, person or cloud server has direct access to users' data.



No Contracts or Recurring Fees

No annual contracts. No extra fees for new features. A one-time purchase.

Competitively priced compared to 3-year cost ownership of lower-performing cloud smart devices.



Flexibility of Camera Choice

Existing system?

Connect any security camera via ONVIF or RTSP.

New system?

Use our cameras for easy set-up via system auto-detection.



Spartan Models



Traffic Analyzer



Low Power Model



Relays



Smart Plug



Camera



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www.monitoreal.com

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Enterprise Series: Traffic Analyzer

The Monitoreal Traffic Analyzer is an on-premise pedestrian traffic management solution designed for large-scale businesses, such as airports and other transportation hubs.

By automating key processes like one-way direction control with counterflow detection and automatic response, reliance on human resources can be significantly reduced, saving time and costs.

Leveraging Edge AI technology with traffic security, ensures accurate, real-time awareness eliminating human mistakes and improving overall efficiency through AI analytics.



Unlock the Power of AI in your SOC

- Reduce Operational Overhead: AI-powered video analysis significantly decreases the need for manual monitoring
- Lower Equipment & Infrastructure Costs: No need for massive video walls, complex VMS, or high-cost network infrastructure
- Operational Resilience with Local Deterrence: If there's an internet outage, Monitoreal continues to operate locally with automated deterrence scenarios like sirens, lights, and audio messages
- Proactive, Early Visual Awareness vs Blind Signals & Manual Verification



Enhanced CCTV Rapid Deployment Solutions

- 5W Low Consumption appliances specialized for mobile security and solar powered surveillance
- Advanced, Visual and Proactive Monitoring
- Flexible and Tailored Zone of Interest design with local deterrence scenarios
- Low Latency with Edge Processing
- Minimal Bandwidth and Data Consumption



Flexible Notification System

Instant alerts to multiple channels

- ARC/SOC Integration Platforms: **immix** **Sentinel** **SECURITHOR** **PatriotSystems** **PRAXIS GROUP**
- Notifications sent to: mobile device, desktop, tablet, or smart watch, via the Monitoreal App, Telegram, Email, Webhooks

Get an alert whenever a security event matching your preferences is detected.



Various Applications

Minimize False Alerts - Maximize Situational Awareness

AI-powered video analytics for residential properties, small businesses, construction sites, jewelry stores, schools & more.

Replace Motion Sensors	• Use with security cameras to detect specific object types, rather than simple motion • Integrate with alarm panels using the Monitoreal Relays • Verify and validate alarms with video verification
Customize Notifications	• Create inclusive or exclusive zones of interest • Set time parameters for detections • Receive real-time notifications when an object or scenario is detected
AI Device Control	• Use AI detections to automatically turn on other devices • Use Monitoreal Relays to control high and low voltage devices • Use Monitoreal Wi-Fi Smart Plugs to control standard electrical devices



GLOBAL MANAGEMENT SYSTEM

Global visibility. Centralized control. Scalable design.

Monitor, manage and control your surveillance ecosystem from a single, unified dashboard,

Stay instantly aware with live video feeds available on desktop, browser, or mobile.

Control every detail centrally, from detection zones, schedules, rules & automated responses.

Manage multiple devices and deployments through one secure management location.

Customize organizations and teams with flexible user roles and permission levels.

Grant or restrict access down to individual devices for total operational control.

Scale effortlessly as your deployment grows, with additional licenses on your system.



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Key Features

CAMERAS

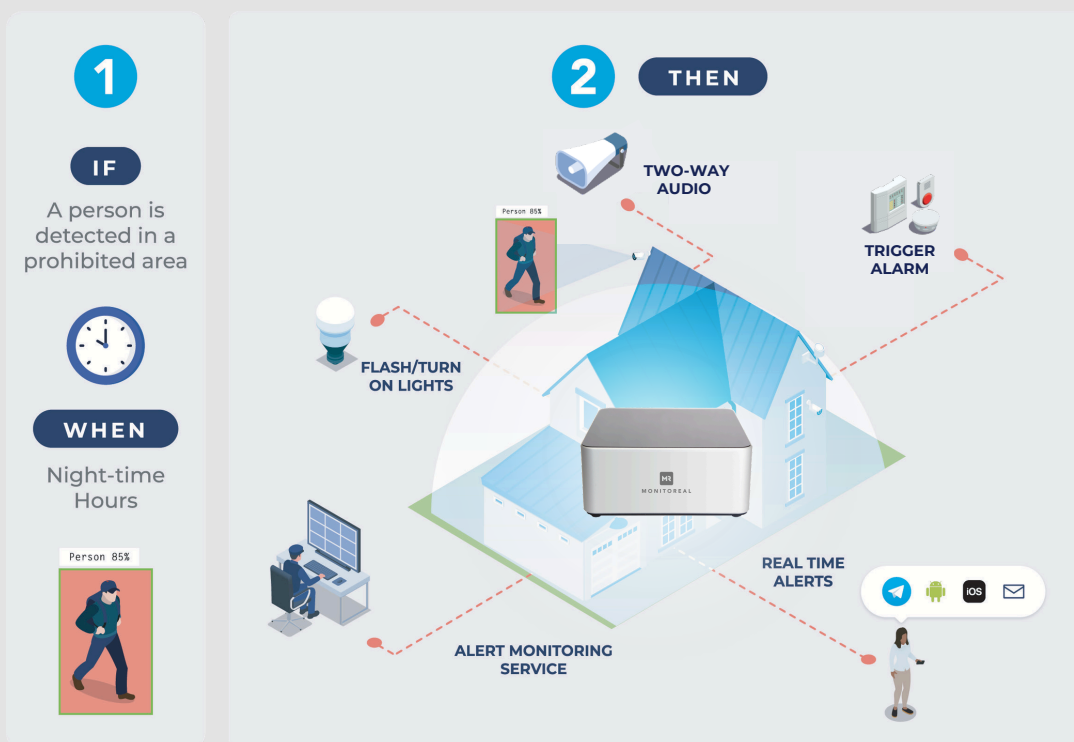
Max. resolution
 HD sub stream
 Fixed focal length
 Field of view width
 IR night vision range
 Built-in microphone
 120 dB wide dynamic range
 Supports 256GB micro SD card
 ONVIF profiles S, G, T
 IP67 and 4kV surge protection
 Powered by PoE or 12VDC

2MP	4MP
✓	✓
2.8mm 4mm	2.8mm 4mm
113°/91.2°	101°/83.7°
30m	50m
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓

RELAY

Relay outputs
 # Alarm/sensor inputs
 Manual, automatic, semi-auto switching
 Operate relay outputs independently
 Remote control gates and door access
 Control lamps, sirens, small/large appliances
 Double throw relays (NO/NC)
 Power consumption no more than 4W
 150,000 operation durability at 250VAC, 5A
 2.4GHz 802.11b/g/n Wi-Fi
 PoE Powered / 9-12V
 Professional installation required

I/O PoE Relay	I/O PoE Relay	Smart Plug
		
1	3	1
1	3	0
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	✓
✓	✓	—
✓	✓	✓
✓	✓	✓
✓	✓	—
✓	✓	—



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