MONITOREAL

Integrate AI With Existing Security Systems

MONITOREAL VIDEO
SECURITY ASSISTANT

Person 100%
Person 100%

Accurate AI Object Detection

Highly accurate, on-premise, edge AI analytics appliance that ignores irrelevant motion.

Customizable rules generate instant alerts on 20+ objects (people, vehicles, and more).

Pair with Monitoreal AI-powered accessories to control connected devices.

Privacy and Security

All video processed locally and behind the firewall.

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

Telegram app gives users a secure way to create group alerts and control access as needed.

No Contracts or Recurring Fees

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

Priced well, compared with 3-year cost ownership of lower performing cloud smart devices.

Flexibility of Camera Choice

Existing system? Connect almost any security camera via ONVIF or RTSP.

New system? Use our cameras for easy set up or select from a list of compatible brands.

Pro Model

Base Model

Relay

Smart Plug

Camera

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Professional Channel Opportunity

Upgrade Using Modern AI Technology

- Easy to deploy, highly profitable, with low labor installation cost.
- Avoid being displaced by less effective DIY products.
- Replace motion detection with advanced AI object detection.
- Monetize existing customer installs as an upgrade.
- Up-sell new customers with AI computer vision analytics add-on.
- On Trend - AI + video surveillance driving market growth.

Advanced AI Object Detection

Monitoreal Video Security Assistant. Stand Alone Appliance.

- Manage up to 8 security cameras with a single AI-smart appliance.
- Appliances can be "stacked" to manage more camera channels.
- Connects to virtually any IP surveillance camera via ONVIF or RTSP.
- No Need for Integration with NVR or VMS.
- Simple installation and easy to use WUI.

Flexible Notification System

Instant Alerts to Any Device

- Create notifications specific to users' interests.
- Configure alerts to an individual or a defined group from one or more appliances.
- Notifications sent to mobile device, desktop, tablet, or smart watch, via: Telegram, Email, Webhooks, and more to come.

The Monitoreal device will send the user an alert whenever it detects an event matching their preferences.
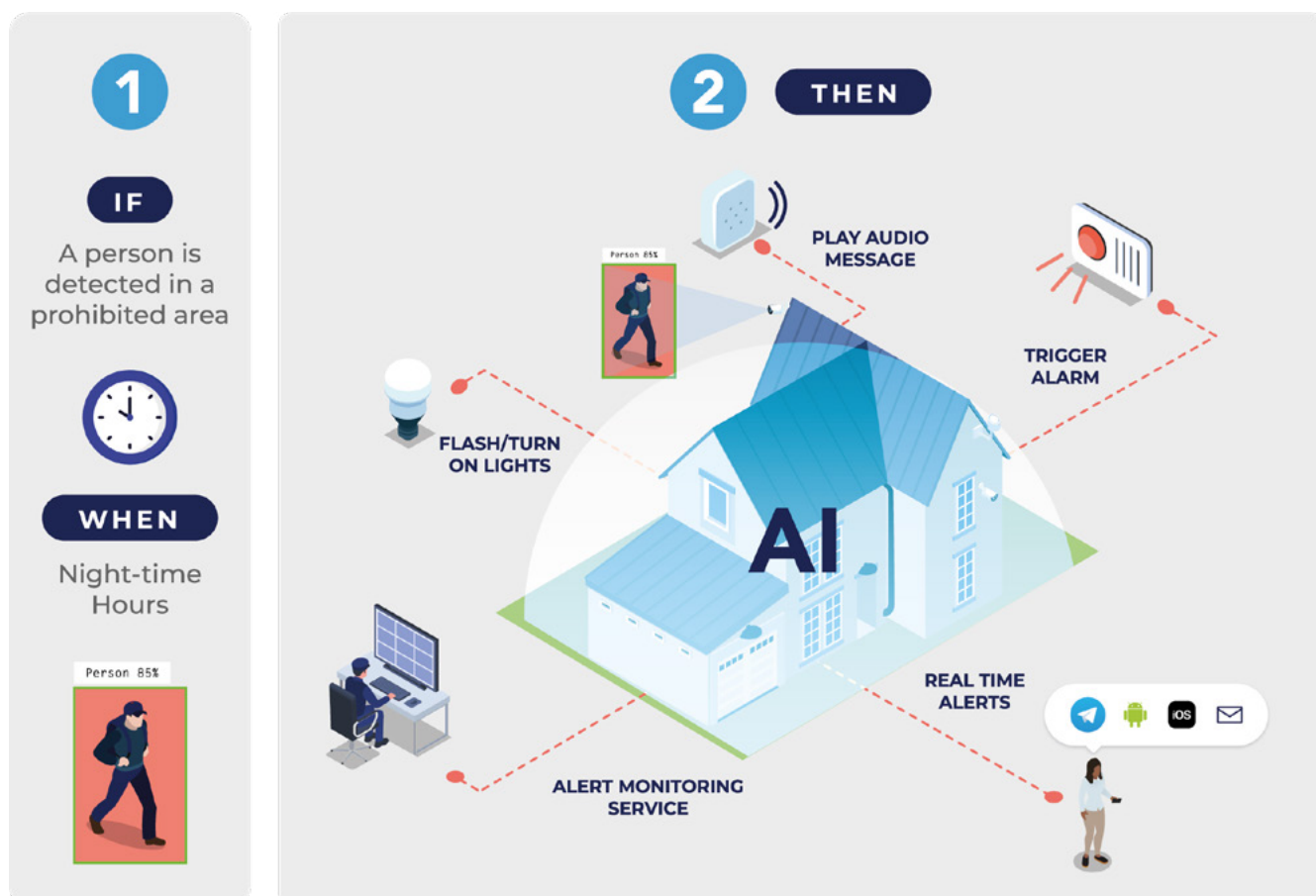
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Various Applications

Minimize False Alerts While Maximizing Situational Awareness

AI-powered video analytics for residential properties, small businesses, daycares, nursing homes, car dealerships, schools, & more.

Motion Sensor Replacement	Use with video camera to detect specific types of objects rather than just motion. Integrate with alarm panels using the Monitoreal Relay for AI verified alarms. Validate other alarms with video verification.
Customizable Notifications	Create inclusive or exclusive zones of interest. Set time parameters for detections. Receive real-time notifications when a selected object is detected.
AI Device Control	Use AI detections to automatically turn on other devices. Leverage Monitoreal 4-Channel Relay to control both high and low voltage devices. Standard electrical devices can be controlled with Monitoreal WiFi Smart Plugs.

Monitoreal in Action

1

IF

A person is detected in a prohibited area

WHEN

Night-time Hours

Person 85%

2 **THEN**

Person 85%

PLAY AUDIO MESSAGE

TRIGGER ALARM

FLASH/TURN ON LIGHTS

AI

REAL TIME ALERTS

ALERT MONITORING SERVICE

Key Features

AI APPLIANCES

	MR Base	MR Pro
	(6)	(8)
Number of Camera Channels		
20+ Object Detection Classifications	✓	✓
Deep Sight Mode for Difficult Scenarios	—	✓
Connect Cameras via ONVIF or URL	✓	✓
Supports Snapshots, H.264 and H.265	✓	✓
Supports Snapshots ≤ 8 MP and Streams ≤ 2 MP	✓	✓
Dual NIC - Ethernet and Wi-Fi	✓	✓

CAMERAS

	2 MP		4 MP	
Max. Resolution				
HD Sub Stream	✓		✓	
Fixed Focal Length	2.8 mm	4 mm	2.8 mm	4 mm
Field of View Width	113°	91.2°	101°	83.7°
IR Night Vision Range	30 m		50 m	
Built-in Microphone	✓		✓	
120 dB Wide Dynamic Range	✓		✓	
Supports 256 GB Micro SD Card	✓		✓	
ONVIF Profiles S, G and T	✓		✓	
IP67 and 4 kV Surge Protection	✓		✓	
Powered by PoE or 12 VDC	✓		✓	

RELAYS

	Wi-Fi Relay	I/O Relay	Smart Plug
Number of Relay Outputs	(4)	(3)	(1)
Number of Alarm / Sensor Inputs	(0)	(3)	(0)
Manual, Automatic and Semi-Auto Switching	✓	✓	✓
Operate Each Relay Output Independently	✓	✓	✓
Remotely Control Gates and Door Access	✓	✓	✓
Control Lamps, Sirens, Small-Large Appliances	✓	✓	✓
Double Throw Relays (NO/NC)	✓	✓	—
Power Consumption No More Than 4 W	✓	✓	✓
150,000 Operation Durability at 250 VAC, 5 A	✓	✓	✓
2.4 GHz 802.11b/g/n Wi-Fi	✓	✓	✓
Ethernet Connection	—	✓	—
Professional Installation Required	✓	✓	—

MR

Designed and assembled in the EU