

# OnPatrol Data Sheet

Protect Your Officers, Anytime, Anywhere.





# Oosto OnPatrol is a tactical surveillance mobile application that protects law enforcement and military personnel by recognizing and offering real-time alerts about Persons of Interest (POIs) on their mobile device (e.g., phone, bodycam).

On Patrol de-escalates potential threats and prevents casualties on both sides by identifying criminals and dangerous individuals in real-time through Vision AI technology. It is designed specifically to recognize and check people's faces against a watchlist of persons of concern in real-world conditions, including people in motion, in dim lighting, at occluded angles, when partially obscured by other people and even with heavy make-up.

The application features all the benefits of our desktop platform on your mobile Edge device, in addition to unique, on-the-go capabilities, helping to better protect law enforcement agents and security officers while also achieving a higher level of operational efficiency and flexibility on the ground, without the need of powerful on-premise servers.





# Works completely offline and doesn't require backend connectivity.

#### Police Protection



- Improve police safety by allowing officers to assess the threat level of people around them in either 1:1
  encounters or in group environments
- Whether underground, in a remote area, or around hundreds of people, never let weak or non-existent internet connections block your people from receiving the watchlist alerts they need in real-time

#### No CCTV Cameras, No Problem



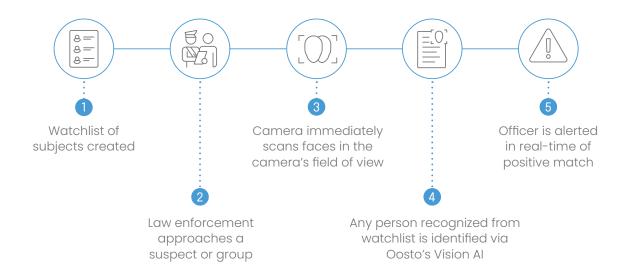
- Analyze mobile camera or body camera video footage (or other non-traditional means of capturing video footage, such as camera glasses) directly on a mobile device
- Synthesize video data right at the ingestion point (the camera) which eliminates significant costs for
  data servers, additional bandwidth, and infrastructure costs usually associated with high-volume video
  collection and analysis

#### Built for Real World



- Immediately identify known criminals or persons of interest
- Never let disguises or masks block your team from identifying subjects on your watch list
- Easier, more efficient and more accurate than the human eye
- Never worry about misidentification again and be certain you've apprehended the right individual

## **How This Technology Works**



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## **Key Features**



#### Subject Enrollment

Enroll/delete a person of interest by detection either from still images or from live streams



#### **Subject Recognition**

Receive an alert when a subject is recognized in real-time



#### Watchlist

Create a subject database by uploading single or multiple images or adding existing detections



#### **Track Subject Location**

Track a subject's appearances and mark them to create a geographic route



#### Alert

Define an alarm preference (audible or vibration)



#### **Search Backwards**

Search for subjects through all earlier detections



#### Camera Management

Configure a set of connected cameras and switch between them during run-time



#### Search, Export & Delete

Export data for further analysis, set automatic deletion rules and customize deletion options



#### **Covert Mode**

Operate in hidden mode to attract no attention

#### **Make Your Cameras Smart**







**Mobile Phones** 

**External Devices** 

Wearable Camera

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# Minimum System Requirements

System Component		Performance and Limitations
Mobile phone	Architecture	On mobile designated smartphones
	Software/hardware	Software Only (on designated smartphones)
		Software + HW (can be supplied by Oosto)
Integrations	Camera integration	Direct Wi-Fi RTSP cameras or direct USB cable connection.
		One active RTSP video stream supported at any given time.
Detections	Capabilities	Facial
	Accuracy	Up to 99.9%
	Speed	273ms per 1000 faces
	Minimum face size	Minimum 45x45 pixels
Recognitions	Capabilities	Facial
	Accuracy	Up to 99.9 <b>%</b>
	Recognition	1:1, 1:N, M:N
	Re-ID speed	101ms
	Minimum face size	45x45 pixels
Data Base	Database size	Up to 10k subject <b>s</b>
Storage	Tracks	Depends on mobile device storage.
		1GB of storage holds 2600 detections.
		Samsung S9 device, with 64GB, can hold up to 135K detections.
Battery	Up-time	Connected to an external camera in background, mobile device can last up to 10 hours.

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# **Technical Specifications**

## Component

# **Minimum Supported**

System	Samsung 9 or higher
Mobile Phone Chipset	Qualcomm SDM 845 / 855 / 888
GPU	Adreno 630 or higher
CPU	Octa-core (4x2.8 GHz Kryo 385 Gold & 4x1.7 GHz Kryo 385 Silver) or higher
Memory	6 GB RAM or higher
Storage	64 GB or higher
Operating System	Android 8 or higher
Operating System	External USB camera
	External Direct Wi-Fi RTSP camera

