

70 SERIES AI CAMERAS FACIAL RECOGNITION AT THE EDGE

Protect premises and people utilizing advanced facial recognition technology which combines the power of Honeywell 70 Series IP cameras with Oosto's OnWatch Real-Time Watchlist Alerting.

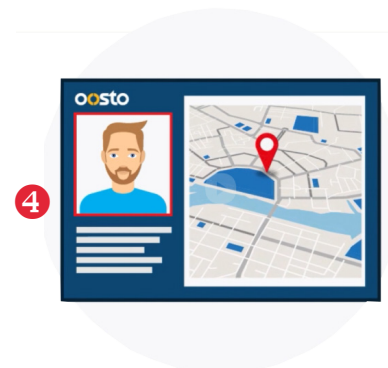
Recognizing and responding to potential safety threats depends on being able to identify persons of interest (POIs) with speed and precision and sort out the good from the bad.

Honeywell's advanced 70 Series AI cameras, combined with Oosto's OnWatch solution, utilize real-time facial recognition technology (FRT) processed within the camera to quickly pinpoint persons of interest and sort out those that have authorization to be present and those that do not. Real-time alerts enable security teams to quickly react to danger or welcome VIPs while protecting the privacy of bystanders.

HOW IT WORKS

The Honeywell 70 Series AI cameras combine advanced IP imaging and exceptional picture quality with smart analytics, making them ideal for deploying facial recognition technology at the edge.

- 1 Security and operations teams create watchlists of persons of interest.
- 2 Honeywell 70 Series AI cameras embedded with facial biometric neural networks act as real-time sensors detecting and recognizing the faces of watchlisted persons of interest.
- 3 Every frame of every video is analyzed and compared to a watchlist database of Persons of Interest (POI).
- 4 When the OnWatch system recognizes a watchlisted person, an on-screen alert and buzzer is activated and a remote notification via text or email is sent in real time.



EDGE DEPLOYMENT

Real-time facial recognition video analytics push the extremes of processing power, requiring near-instant analysis of every video frame. The stakes are high to get every identification right and alert security to watchlisted individuals including security threats, persons of interest (POIs), or VIPs.

To scale power at this level, you typically need a large central server with plenty of GPUs to manage multiple camera streams. Not anymore.

Now, image and face vectoring processing take place on powerful 70 Series AI cameras, reducing the need for computing requirements on the server side.

Benefits of deploying facial recognition watchlist alerting on 70 Series AI cameras:

- Lower TCO, up to 30 %, with processing at the edge on S70s. Add video streams without adding server costs/maintenance¹.
- Higher quality, rapid processing. Reduces artifacts that slow processing and limit image processing.
- Detect people from a longer distance versus camera without edge processing².
- Reduced bandwidth - S70 extracts cropped images and vectors for processing versus video.



Facial Recognition Watchlist Alerting Strengths:

- **In-The-Wild Performance:** facial recognition algorithm honed for performing in the harshest conditions, including tough angles, poor lighting, image occlusions, and masked faces for fewer false positives.
- **Improved Accuracy:** video processing on the camera so no compression artifacts to impact image quality.
- **Privacy Controls:** face blurring of innocent bystanders, privacy controls built into the code, GDPR compliance
- **Optimized Energy Management:** fewer servers are needed, lowering both power and cooling requirements.



Interested in adding the benefits of real-time watchlist alerting, biometric authentication, forensics, and person-of-interest tracking to your 70 Series AI camera solution?

Contact your Honeywell Representative today.

For more information

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¹Calculation based on 100 camera conventional camera system which typically requires four servers vs. S70 series cameras which require one server.

²Image processing at the edge uses raw video direct from the sensor, preserving the original image quality and resulting in higher detection accuracy

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