



WATCHER
SURVEILLANCE SOLUTIONS

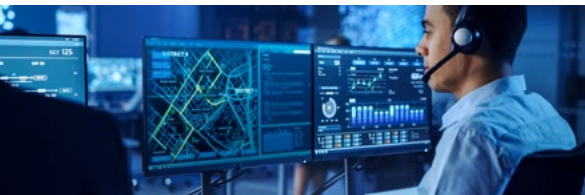
COMPETENCE & SOLUTIONS



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OVERVIEW OF WATCHER CORE COMPETENCE



Software

Watcher owns, operates and maintains a specialist stack of software for the management of CCTV video footage in the South African environment.



Surveillance Services

Surveillance Services uses the specialist software stack in its Surveillance Operations Centre (SOC) to provide AI assisted off-site monitoring services.



Hardware

Watcher manages the supply, installation and maintenance of CCTV equipment as well as the ICT service needed for the delivery of its surveillance services.



System Support Services

System Support Services uses the Watcher Network Operations Centre (NOC) to monitor and support equipment and network uptime.

- ⦿ Post Analysis
- ⦿ Video Management System
- ⦿ Real-Time Analytics (AI)

- ⦿ License Plate
- ⦿ Facial Recognition
- ⦿ Alert manager.

- ⦿ Real-time video monitoring
- ⦿ Incident management
- ⦿ Customer Support

- ⦿ Post Analysis
- ⦿ Reporting
- ⦿ Surveillance Support Services.

- ⦿ CCTV Equipment
- ⦿ CCTV networks
- ⦿ Information and communication technology (ICT)

- ⦿ Cloud Hosting
- ⦿ Video Recording
- ⦿ Solar and back-up power solutions.

- ⦿ Network monitoring
- ⦿ Network management
- ⦿ Field support

- ⦿ IoT capabilities
- ⦿ Power supply monitoring.



WATCHER'S CORE COMPETENCE ENABLES STANDARD AND BESPOKE SOLUTIONS

STANDARD SOLUTIONS



Off-site Monitoring (OSM)

OSM is mostly used for security purposes.

Types of customers include:

- ⦿ Residential Estates
- ⦿ Business/Office Parks
- ⦿ Businesses: Office; Warehouses; Factories; Self-storage; etc.



Software as a Service (SaaS)

Any entity who is in the business of monitoring and managing CCTV video can use the Watcher software for this purpose. These customers include:

- ⦿ Companies that monitor their own internal video feeds
- ⦿ Companies that monitor video on behalf of a third party such as security or off-site monitoring companies.



BESPOKE SOLUTIONS



Retail Analytics

Retail Analytics entails the use of CCTV video to gather shopper or visitor information, such as:

- ⦿ Number of people/vehicles entering and exiting a site
- ⦿ Basic demographics
- ⦿ Shopper behaviour; etc.

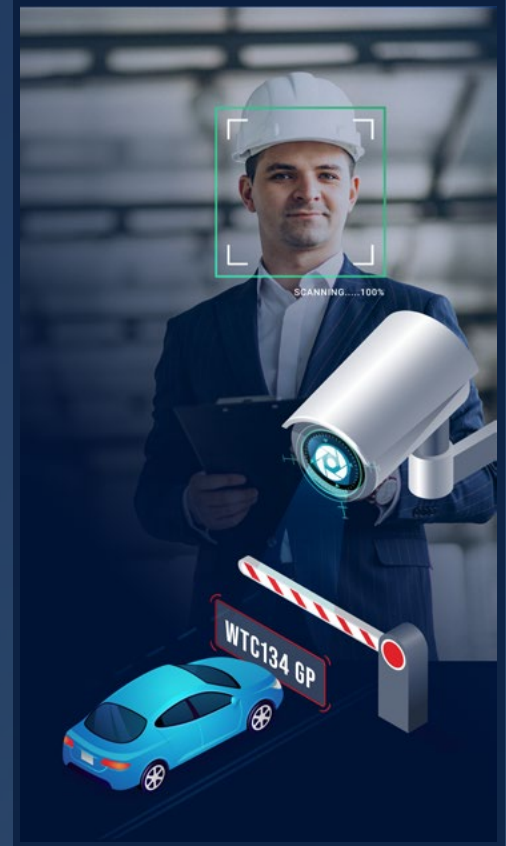


Custom Surveillance Solutions

Custom solutions are the use of CCTV video for operational management and staff supervision.

Applications would include:

- ⦿ Alerts of people/vehicles entering "no access" areas
- ⦿ Checking if staff is using PPE
- ⦿ Confirming staff is starting or leaving work on time
- ⦿ Shrinkage control; etc.





OFF-SITE MONITORING (OSM) AI ASSISTED

SEE IT ALL! STAY AHEAD OF THE THREAT!



AI Software



Surveillance Services



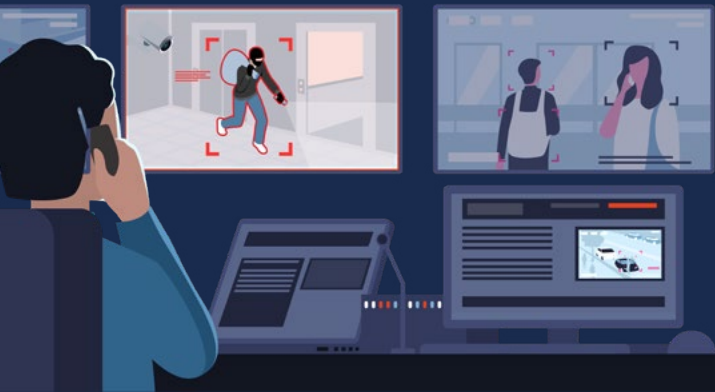
Hardware,
Hosting &
Infrastructure



System Support Services



– “THREAT DETECTED!”



Types of applications:

1. AI assisted OSM provides a cost effective and efficient surveillance service for most standard surveillance requirements.
2. Live OSM performed by qualified surveillance officer is applied to non-standard video feeds from specialized cameras such as PTZ and Thermal on which AI intervention is not possible.
3. Post analysis software assist with intelligence gathering or investigations to determine specific cause and effect (stock losses, restricted areas, people counts, etc)

THE INTELLIGENT SOFTWARE DEPLOYED BEHIND EACH CAMERA EFFECTIVELY TURNS IT INTO A 24/7/365 SECURITY GUARD.

OSM COMPARISON: TRADITIONAL vs WATCHER

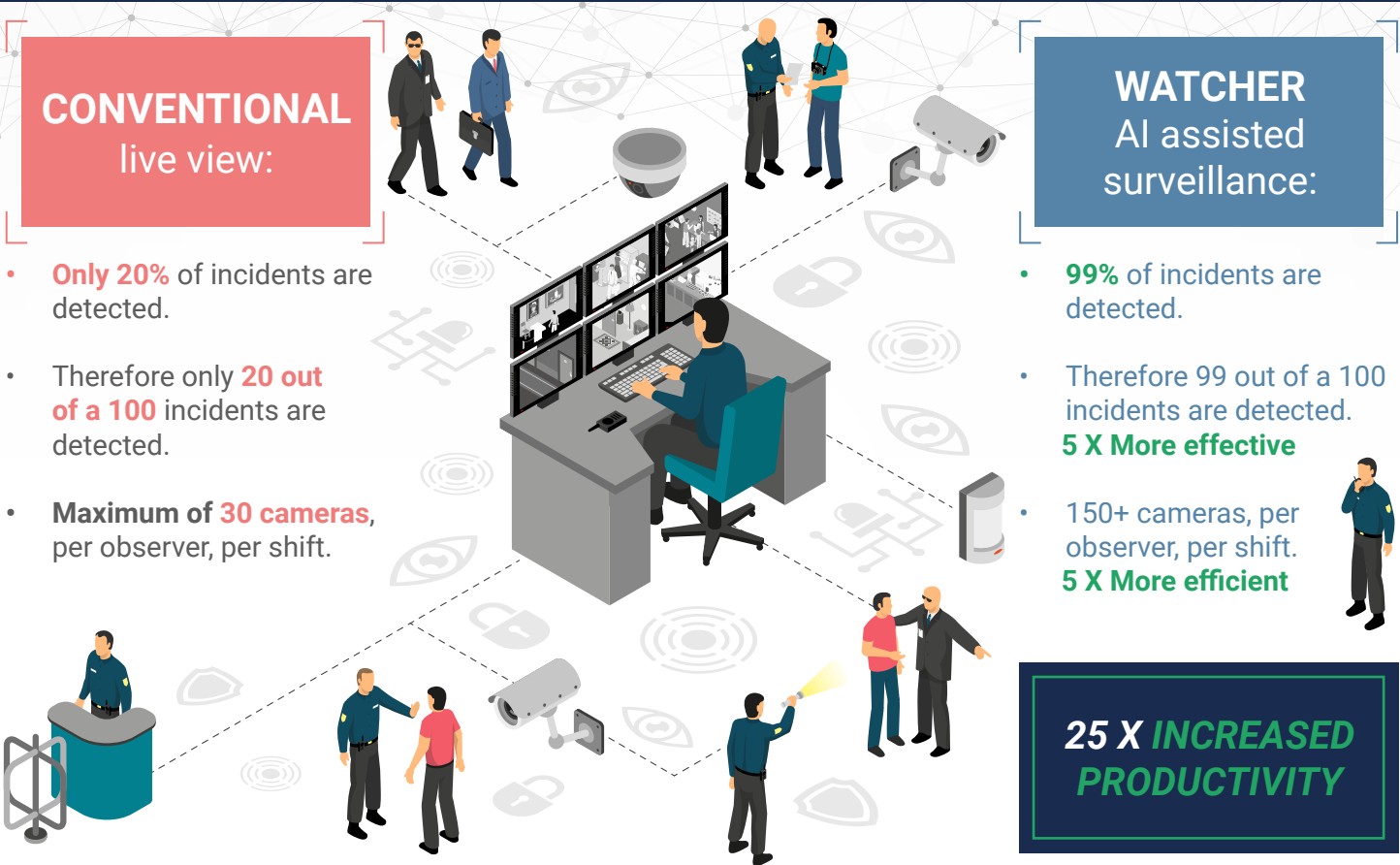
CONVENTIONAL live view:

- **Only 20%** of incidents are detected.
- Therefore only **20 out of a 100** incidents are detected.
- **Maximum of 30 cameras**, per observer, per shift.

WATCHER AI assisted surveillance:

- **99%** of incidents are detected.
- Therefore 99 out of a 100 incidents are detected.
5 X More effective
- 150+ cameras, per observer, per shift.
5 X More efficient

**25 X INCREASED
PRODUCTIVITY**





SOFTWARE AS A SERVICE (SAAS)

EFFECTIVELY MANAGE THOUSANDS OF VIDEO FEEDS USING WATCHER'S SOFTWARE STACK



AI Software



Surveillance Support Services



Hardware, Hosting & Infrastructure



System Support Services

Always on	Nothing is missed	System holds operator accountable	Training	Alert configuration & support	Video recording	Network stability	Technical support
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Improve your productivity, and don't miss a thing!

- ⦿ Camera agnostic means reduced complexity from managing various operating systems
- ⦿ Easy to use, understand and highly interactive
- ⦿ Higher productivity through improved effectiveness and efficiency
- ⦿ Accurate interaction between surveillance and response officers through automated escalation
- ⦿ Secure recordings from cloud storage
- ⦿ Instantly available video footage allows for instant and detailed investigation.

Watcher Software is available as a service to companies managing their own video or video from the cameras of their customers.

Watcher **Video Management System (VMS)** with **Alert Manager (AM)** provides a single pane of glass for the total control and management of camera feeds.



RETAIL ANALYTICS (RA)

PROVIDE SHOPPER BEHAVIOUR DATA



Post
Analysis
Software



Hardware,
Hosting &
Infrastructure



System
Support
Services



WATCHER RA PROVIDES THE FOLLOWING:

- ⊙ Traffic analysis
- ⊙ Heat maps & common paths
- ⊙ Dwell times
- ⊙ Shelf management
- ⊙ Video Synopsis & Smart Search





INFRASTRUCTURE MANAGEMENT

ENSURES AN ALWAYS FUNCTIONING CCTV SYSTEM



Hardware, Hosting & Infrastructure



System Support Services

Supply and
install

Service Level
Agreement

Power
Solutions

Video
Recording

Video
availability
assurance

Field
support

Active
equipment
Monitoring

Routine
Maintenance

Equipment
repair



THE SERVICE ENTAILS THE FOLLOWING:

- Supply and install CCTV network at customer's site.
- Support and maintenance of CCTV networks installed at customer's site, as a service.
- Service Level Agreement to ensure fast response and restore times.



WHY WATCHER?

- **High accuracy** compared to conventional methods
- **Specialists** in CCTV and Surveillance Solutions
- **Carrier grade systems** to ensure reliability and uptime
- **Improved controls.**





WATCHER
SURVEILLANCE SOLUTIONS



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