



Xtreme
SMART SURVEILLANCE

bridge
the gap

AI at the edge
powered by Intel®




Intel® 8th Generation Core™ i5/i7
Reliably 24/7 operating
Small Form Factor



Live alarm pop-up
Event-based playback
9000+ Supported Devices
150,000+ Installation Worldwide



Perimeter Protection
Blurring
2D & 3D Counting
Heatmapping
Facial Analytics
Object Detection

UP Xtreme Smart Surveillance

By leveraging Intel® 8th gen processor and 2 Intel® Movidius™ Myriad™ X VPU's, is a solution that reforming traditional CCTV into intelligent surveillance by applying deep learning and video analytics technologies.

Bring efficient computer vision technology to new places with revolutionary Intel® Vision products. With the right performance, cost and power efficiency at every node, you can scale vision technology across your infrastructure and unlock new possibilities for visual data. Being an AI-enabled NVR solution, it works proactively on the video stream and supports up to 32 cameras* simultaneously.

Milestone standalone (recording only)**
SAIMOS® standalone (video analytics only)**
Combined Milestone + SAIMOS® **

Intel® Core™ i7-8665U
32
16
8 recording & up to
8 SAIMOS® Video Analytics

Intel® Core™ i5-8365UE
8
8
8 recording & up to
4 SAIMOS® Video Analytics

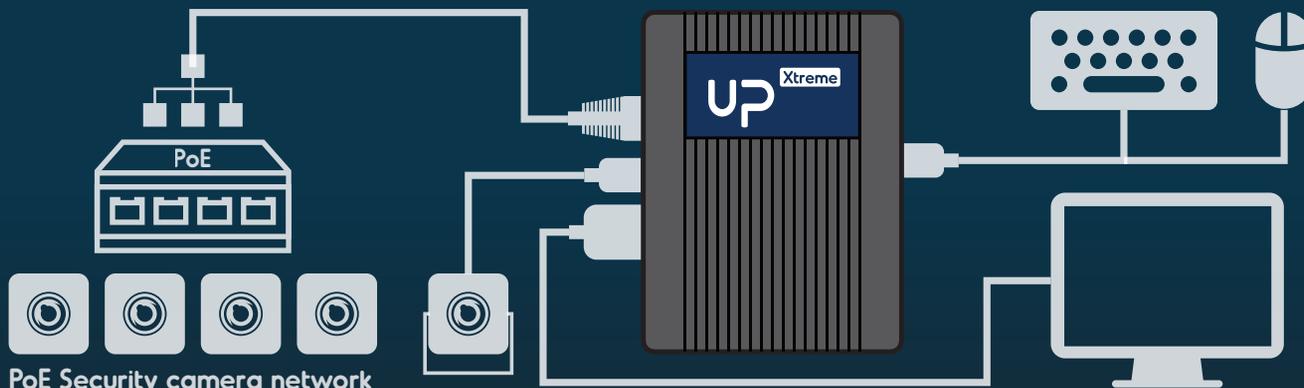
* Compatible with Intel® Core™ i7-8665UE CPU and upgrade to Milestone XProtect® Express+
** Default setting for this solution is 8 Milestone recording + 4 SAIMOS® video analytics channels
- If you want to connect more than 8 cameras, then upgrade to Milestone XProtect® Express+
- If you want to connect more than 4 video analytics channels, then purchase extra SAIMOS® video analytics licenses

Hardware overview

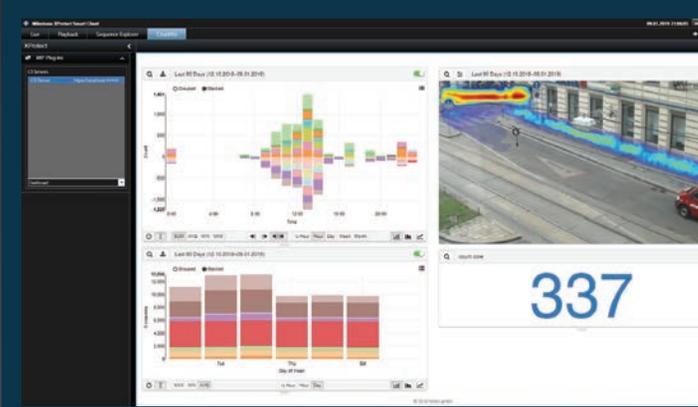
- UP Xtreme Edge Compute
 - Intel® i5-8365UE (up to 4.1 Ghz) supports up to 8 cameras
 - Intel® i7-8665UE (up to 4.4 Ghz) supports up to 32 cameras
- Intel® UHD Graphics 620 (Core™ i)
- 19V Power Supply
- 1x US power cord + 1x EU power cord
- UP AI Core XM2280 with 2x Intel® Movidius™ Myriad™ X
- Thermal block for UP AI Core XM2280

Preinstalled Software

- Windows 10 IoT Enterprise
- Milestone XProtect® Essential+ (Free up to 8 cameras, option to upgrade to Milestone XProtect® Express+ for 32 camera connections)
- SAIMOS® C3 CORE Video Analytics(4 video analytic channels)
- Intel® Distribution of OpenVINO™ toolkit 2019 R3
- Intel® Media SDK, Intel® Distribution for Python*
- MRAA & UPM I/O, sensor libraries for C++, Python*, Java*, & JavaScript*
- Docker-CE, k3s Kubernetes, ONNX, AWS Greengrass, SQLite 3, Node.js
- cmake, gcc, Openssl, Openssh-server/client, git, vim, tmux,

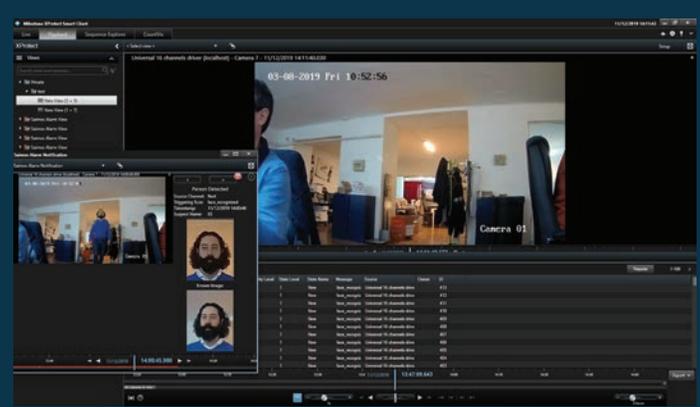


Milestone Xprotect Smart Client overview



Integrated dashboard

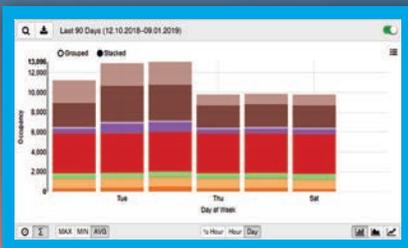
The integrated dashboard is able to extract insightful information for business operation from snapshots capture from Milestone VMS and shows statistical data in real-time.



Live-alarm + Smart Playback

Live-alarm & Smart Playback allows staff to understand what's happening and take timely action when defined event happen.

Saimos C3 Core with Milestone VMS



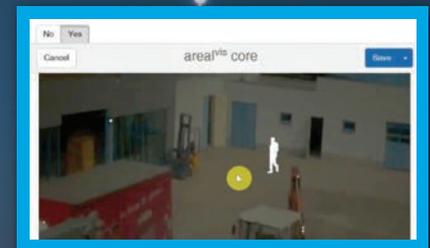
Occupancy Statistics

- Statistical analysis
- Automatic alerts
- Multiple configurable areas
- Real-time dashboard



Intrusion Detection

- Critical area intrusion detection
- Machine learning for optimization
- Up to 2 separate monitoring zones



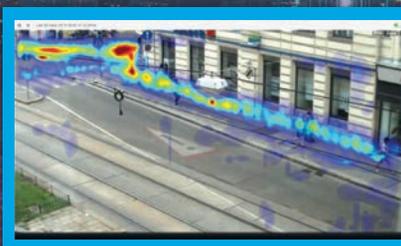
Loitering Alarm

- Detection of moving or loitering objects
- Alarm on event trigger
- Up to 2 separate monitoring zones



Face Recognition

- Scalable blacklist / whitelist for multi-site solutions*
- Real-time facial recognition
- Live alarm on area entry
- Forensics mode for criminal investigations
- * Extra license required - Contact SAIMOS® for details



Heatmapping

- Visualize area hot spots
- Customizable color scheme
- Filter by different time



Object Detection

- Secure objects against theft
- Monitor blockage of critical areas



UP Xtreme Smart Surveillance provides a powerful combination of established surveillance and analytics software running on state-of-the-art hardware – ensuring ease of use, flexibility, and power in a small, ruggedized form factor.



SAIMOS provides the analytics part of the solution. Its software, SAIMOS C3 CORE*, provides a host of features useful for business owners to achieve from reduction on response times by real-time alerting staff to take appropriate actions when defined events occur to extraction of business, and operational insights with snapshots across video surveillance systems from a single and centralized Mileston VMS to ensure management is kept informed with insightful information



Milestone designs, develops, and delivers industry-leading IP-based video management solutions (VMS). With over 150,000 installations worldwide, 9000+ supported devices, unlimited integration possibilities with an open-platform approach. Milestone provides a solid foundation for customers to build their surveillance systems.



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