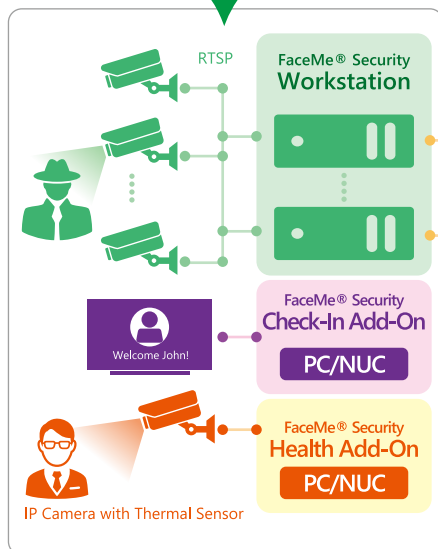# FaceMe® SECURITY

Enabling Facial Recognition for Smart Surveillance

Designed for smart surveillance, FaceMe® Security is a value-added software that runs on workstations, servers and VMS (video management systems). It can detect individual faces within a crowd, match them with a database profile and send real-time alerts to security personnel.
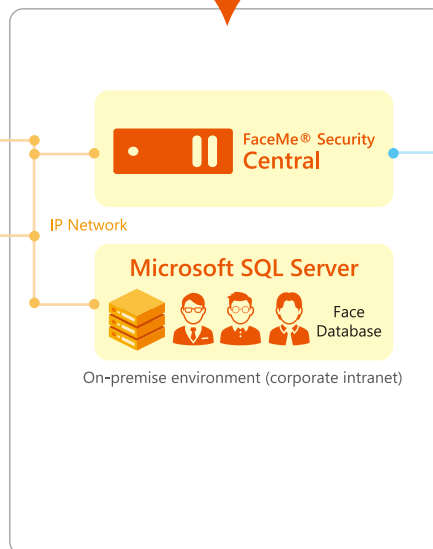
How Does It Work?

FaceMe® Security provides a complete end-to-end surveillance solution. On the edge-side installation, FaceMe® Security Workstation runs on workstations, IPCs and IoT devices equipped with NVIDIA GPU, Intel® CPU/VPU and Jeston for real-time face detection, identity verification and facial feature extraction. The FaceMe® Security Health Add-on checks mask wearing compliance and body temperature. FaceMe® Security Central is located at servers in on-premise environment, which provides a web-based console to manage the face database, configure IP cameras, and inform relevant personnel about registered visitors, VIPs, block-listed people, or employees entering each monitored area.

AI Facial Recognition | Management & Console | Instant Notification

- RTSP — FaceMe® Security **Workstation**
- FaceMe® Security **Check-In Add-On** — PC/NUC — Welcome John!
- FaceMe® Security **Health Add-On** — PC/NUC — IP Camera with Thermal Sensor
- IP Network — FaceMe® Security **Central**
- **Microsoft SQL Server** — Face Database
- On-premise environment (corporate intranet)
- CyberLink U Messenger real-time alerts
- Notification API to 3rd party service
- Notification API to VIVOTEK VAST2 — milestone — Nx Witness VIDEO MANAGEMENT SYSTEM — VIVOTEK VAST2

FaceMe® Security Integration with VMS

FaceMe® Security supports mainstream VMS (video management systems), including Milestone, Network Optix Nx Witness and VIVOTEK VAST2. The integration gives FaceMe® Security the ability to trigger real-time notifications to these supported VMS systems when events such as the arrival of VIPs, people of interest, and employees, or when a person is not adhering to the mandated health protocols.

milestone   Nx Witness VIDEO MANAGEMENT SYSTEM   VIVOTEK VAST2

FaceMe® Security System Requirements

FaceMe® Security Central/ Workstation

	Central	Workstation (Windows)	Workstation (Jetson)
CPU	Intel® Core™ i5, Xeon E5 series	Intel® Core™ i7, U series or above	Nvidia Jetson Xavier NV Nvidia Jetson AGX Xavier
GPU (Optional)	—	Nvidia Quadro RTX 5000, Nvidia Tesla T4, Nvidia RTX 1660 Ti (6GB)	
VPU (Optional)	—	2x Movidius Myriad X VPU	—
Memory	16 GB	16 GB	16 GB
Database	Microsoft SQL Server 2017/2019	—	
OS	Windows 10 Pro, Windows Server 2019 or Windows 10 Enterprise LTSC		Ubuntu 18.04 LTS 64-bit

FaceMe® Security Check-In Add-On

CPU	Intel® Celeron® G4920 or above
Memory	16 GB
Operating System	Windows 10 / Windows 10 Pro / Windows Enterprise
Network Connection	Required for connecting to FaceMe Security Central (intranet)

FaceMe® Security Health Add-On

CPU	Intel® Core™ i7 (8th generation) or above
Memory	16 GB
GPU (Optional)	Nvidia RTX 2060 or above (Optional, for enhanced performance)
Hard Disk Space	8 GB free disk space
Thermal IP Camera	Advantech: UCAM-220TB, UCAM-220TT (6mm 或 3mm) Hikvision: DS-2TD2617B-6/PA, DS-2TD2617B-3/PA, DS-2TD1217B-3/PA, DS-2TD1217B-6/PA
Operating System (OS)	Windows 10 / Windows 10 Pro / Windows Enterprise
Network Connection	Required for connecting to FaceMe® Security Central (intranet)