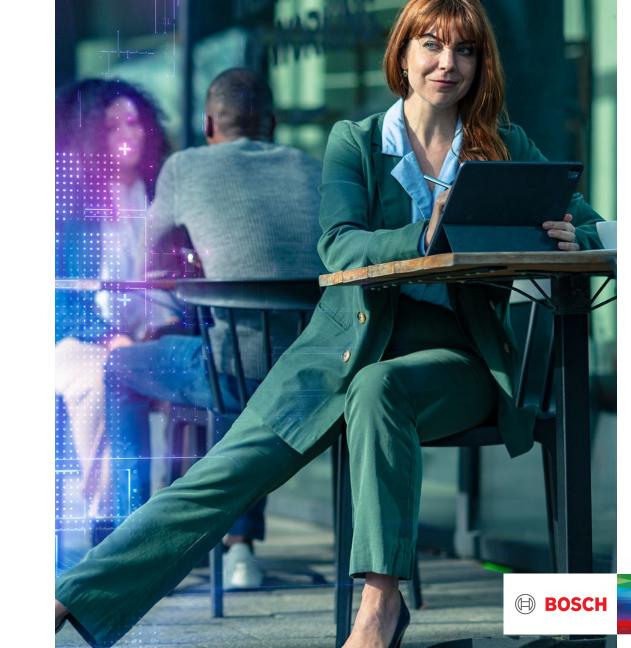
Moving towards predictive solutions with sustainability and trust in mind

Power to Predict

Know what's next with AloT video solutions from Bosch



Get data with Al Al-enabled camera portfolio

Fixed dome cameras



Multi-imager cameras



Bullet cameras



Panoramic cameras



Moving cameras



Thermal (moving) cameras



Moving cameras extreme



Box cameras



(III) BOSCH

FLEXIDOME panoramic 5100i (IR) camera family



- 360-degree panoramic overview in 6MP and 12MP resolution without blind spots
- Optimized for all lighting conditions with integrated IR and High Dynamic Range
- Built-in Intelligent Video Analytics
 capable of converting data into insights in challenging conditions
- Prepared for **future audio analytics** with built-in microphone array



FLEXIDOME multi 7000i (IR) camera family



- Built-in **Intelligent Video Analytics** on all four independent imagers. Capable of converting data into insights
- A perfect fit for a variety of applications like traffic intersections and building corners
- Built-in Camera Trainer (machine learning) to tailor video analytics capability to customer requirements
- Camera family offers IR and non-IR models that provide 12- or 20-megapixel resolution



MIC IP fusion 9000i cameras

Challenge

- ► Use cases such as perimeter detection at critical infrastructure sites or monitoring tunnels and bridges require short to medium range detection for activity in and around the scene.
- ► This requires a camera solution that gives a wide overview, ensuring the full scene is captured.

Solution

A 9mm thermal lens model is added to the MIC IP fusion 9000i camera series that offers a wider thermal field of view (70° x 52°)



MIC IP fusion 9000i 9mm lens model



MIC IP fusion 9000i cameras

Benefits

- ▶ It provides a significantly wider field of view which reduces the number of pre-positions required to provide 360-degree coverage in approx. 30 seconds. Making it much quicker to configure the complete solution.
- ► Receiving a full circle view that quickly, lowers security costs per square meter. This results in customer savings as other security measurements become unnecessary.
- ► Following a moving object is done in a smoother fashion as compared to narrower field of views.



MIC IP fusion 9000i 9mm lens model



The MIC family of extremely rugged moving cameras are built to perform in practically any environment.



Get data with Al Deep learning Al-detectors – Traffic Detector

Integrated with Intelligent Video Analytics







GPS location

Speed

Color

- Integration of Intelligent Tracking and Traffic Detector for unmistakable object detection and tracking
- Augmentation of data with color, geolocation and speed
- Better localization of objects for positioning on maps

Distinguish and classify vehicles



- ► Higher detector resolution for object detection at longer distances
- Distinguish and classify types of vehicles in congested scenes with precise detail
- ► Enhanced scene understanding with subclasses: cars, trucks, buses, motorcycles, and bicycles

Person detection and counting



- Distinguish people in crowded scenes with precise detail
- Enables wide angle view people counting



Get data with Al Deep learning Al-detectors – Traffic Detector

Detect and count trucks, buses, motorcycles, bicycles, and people.



Reliably distinguish and count people in crowded scenes





Get data with AI INTEOX cameras – select your device

Building customerspecific solutions starts with freedom of choice.

A portfolio of moving and fixed cameras.

Now available













Select your device All INTEOX cameras offer

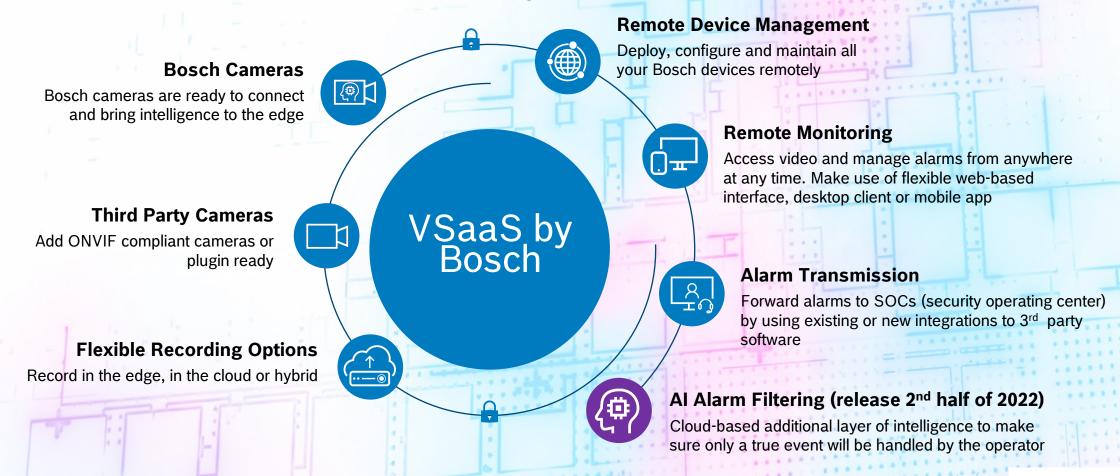
- Smart security with built-in Video Analytics
- Excellent image quality and bitrate management
- Remote maintenance and firmware updates
- Full freedom to create custom applications
- Data security with secure element inside
- Powerful platform that supports:
 - Deep neural network-based analytics
 - ► Triple video streaming





Connect, analyze, visualize

Latest introductions - VSaaS by Bosch





Connect, analyze, visualize VSaaS applications

Distributed or remote sites with a moderate number of cameras



Small logistical centers



Energy and utility sites



Temporary construction sites



Financial institutions



Retail chains and services



Mobile camera trailer companies



Rely on data Solutions built on trust

Capable



- Starlight X technology
- ► Up to 4K ultra HD resolution
- ► Perfect exposure (HDR X)
- ► Intelligent bitrate management (H.265)
- Freedom of choice (complete portfolio)

Durable



- ▶ Backward compatibility
- ► Extreme solutions:
 - ▶ Up to IK10+ and IP68
 - ► Corrosion proof
 - ▶ MIC cameras
- Robust recording concept (VRM)
- ▶ Software resilience

Secure by design



- End-to-end data security approach
- ► Secure element inside
- Automated FW updates via secure cloud
- ▶ Product Security Incident Response Team (PSIRT)

Accuracy > 95%



Our AI founded on deep neural network-based video analytics learns using highquality, real-life data from the field, so it can recognize patterns to tackle more complex tasks faster, easier, and with accuracy levels beyond 95 percent



Rely on data Simply trusted

5-year warranty



Five-year worry-free standard warranty on all our fixed optical cameras and the fixed parts of our moving cameras

IoT certified



Cameras, processes and documentation related to data security are certified.
Confirming that declared Security
Maturity targets are met

Secure by design



Approach centered on a built-in Secure Element with TPM¹ functionality, safely storing all certificates and keys needed for authentication and encryption

Ready to connect



All our IP cameras can connect securely to the Bosch cloud supporting remote system management and VSaaS

1) Trusted Platform Module



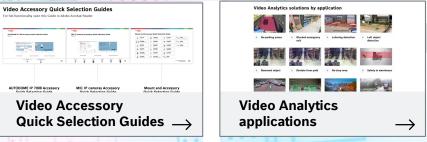


Video Systems and Solutions Our latest tools for you



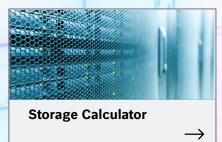






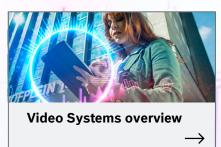






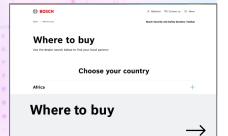










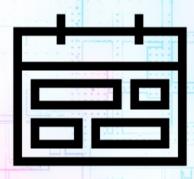




Get in touch!



Customer support



Event Calendar



Academy





