

# Early detection and intelligent visualization



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## Fixed thermal outdoor IP camera

The Bosch fixed thermal outdoor IP camera provides early detection and display of irregularities over large areas. It can see through dense smoke or bad weather conditions such as heavy fog or snow, or even in absolute darkness.

It detects any body or object that radiates heat and delivers immediate visualization using its built-in Bosch IVA (Intelligent Video Analysis). Optimized for thermal imaging, the camera's IVA offers advanced processing features including video motion detection.

Providing high sensitivity, uncooled long wave thermal imaging, the camera delivers outstanding image quality. It uses a VOx (Vanadium Oxide) focal plane sensor array with 320 x 240 pixels, combined with dedicated image processing algorithms to deliver sharp, clear thermal images that make it easier to recognize objects or suspicious activities.

Simultaneous tri-stream video capability offers two H.264 compression streams and one JPEG stream. The camera also supports multicasting, internet streaming and iSCSI recording. A choice of four lenses covers both narrow and wide fields of view, and it is available with a frame rate of either 8.33 or 30 Hz.

## Key applications

- ▶ Ports and traffic monitoring (air, land and sea)
- ▶ Border control
- ▶ Homeland security
- ▶ Perimeters surveillance
- ▶ Power plants and industrial installations

## Outstanding image quality

The Bosch fixed thermal outdoor IP camera delivers outstanding image quality and makes temperature differences of 50 mK or less visible. Video processing features include multiple automatic, dynamic image optimization algorithms, as well as polarity control (white-hot / black-hot), image orientation control (invert / revert), and freeze-frame capability.



### Fixed thermal outdoor IP camera

To learn more about the Bosch IP cameras and our complete product offering, please visit [www.boschsecurity.com](http://www.boschsecurity.com)

### Storage efficiency and flexibility

The camera uses H.264 compression, bandwidth throttling and multicasting capabilities to manage bandwidth and storage requirements efficiently, while delivering high image quality and resolution.

The Bosch H.264 implementation reduces storage costs without sacrificing image quality, saving up to 50% video storage compared to MPEG-4. Up to three video streams can be transmitted simultaneously. This allows one high definition H.264 stream for live viewing and recording, one lower resolution H.264 stream for constrained-bandwidth networks, and a JPEG video stream for easy integration with third-party video management systems.

iSCSI storage support enables the camera to act as a conventional digital video recorder, while streaming high-performance live video across the network. The SD card slot provides local storage and increases the overall reliability of the system in the event of network failures. When used with an SD card the camera becomes a complete, self-contained surveillance system requiring no additional equipment.

### Total compatibility

The Bosch fixed thermal outdoor IP camera conforms to the ONVIF (Open Network Video Interface Forum) specification which guarantees interoperability between network video products regardless of manufacturer. ONVIF conformant devices can exchange live video, audio, metadata and control information. They are automatically discovered and connected to network applications such as video management systems.

With its sharp images, the Bosch fixed thermal outdoor IP camera is the solution for fast detection and recognition, day or night and in any weather conditions.

Features	Benefits
320 x 240 VOx thermal sensor with dedicated image processing	Outstanding image quality
'Intelligence at the edge' IVA with motion detection and video content analysis	Clear object visualization. Simple, fast way of locating specific events
Tri-streaming: Dual H.264 and JPEG simultaneously	Convenience and flexibility
Local storage on SD card	Self-contained solution, increased reliability in the event of network failure
PT-head control	Move quickly to the area of interest
Choice of 4 lenses	Covers narrow and wide fields of view
ONVIF compliant	Interoperability with third-party systems

### Bosch Security Systems

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