

Our focus is innovating security where you need it most

Insist on highly reliable cameras for your Traffic Management System



BOSCH

Invented for life

The widest choice traffic cameras – all backed by FLIR Intelligent Transportation Systems

Proven reliability for all weather conditions

As a traffic management professional, you need rapid notification of all relevant incidents on your highways and especially in tunnels. This helps to minimize traffic congestion, as well as prevent accidents that occur as a result of an earlier accident that blocks traffic (e.g. queue tail crashes). In some cases, rapid incident reporting will help you save people's lives.



That's why traffic management agencies are increasingly deploying Traffic Management Systems (TMS) with Automatic Incident Detection (AID), such as in the FLIR ITS system. This uses IP video data to detect incidents such as: vehicle stop, fallen object (also known as 'lost cargo' or 'debris'), speed drop, wrong way driving, smoke (in tunnels), and pedestrian intrusion. AID also provides data about the traffic flow as well as real-time analytics that anticipates changes in traffic flows, so you can proactively prevent traffic jams and reduce the chance of accidents. What's more, an AID system will automatically capture and

permanently record video clips from before, during, and after an incident – helping to identify its cause, prevent it from happening again and serving as post-incident legal proof.

However, highly valuable AID systems depend on video cameras that must faultlessly capture video images 24/7, week in, week out - and in less than optimal lighting and in all weather conditions, including heavy rain and snowstorms. Fortunately, Bosch has a series of IP video cameras that can do just that. Moreover, these cameras have been certified by FLIR ITS to integrate seamlessly with its world-leading TMS.

Why insist on Bosch cameras?

Field-proven in all weather conditions

As a world leader in video-based security systems, we have used our extensive experience in developing highly-robust cameras. These have been successfully deployed across the globe and are field-proven even in the harshest of weather conditions. Our toughest camera the MIC IP 7000 has:

- ▶ Vandal resistance rating of IK10
- ▶ Shock and vibration resistance to IEC 60068
- ▶ Temperature ranges from -40°C to +60°C
- ▶ Corrosion resistance is in accordance with ASTM B117.

Guaranteed compatibility

All Bosch IP cameras are ONVIF profile S conformant. Selected Bosch cameras are NTCIP-certified and therefore meet the agreed standards that ensure interoperability with all other NTCIP-certified equipment. In addition, Bosch cameras are currently working with many different manufacturers like FLIR ITS AID systems, – providing problem-free traffic management to operators across the globe.

Usable images in all lighting conditions

The DINION IP 7000 and 8000 support advanced Intelligent Auto Exposure (IAE), which continuously adjusts camera settings to always ensure optimal image contrast. This maximizes the image usability and enables you to analyze video clips faster and more easily. We also use superior low-light sensors and image processors in our cameras known as starlight technology. These offer very low-noise image acquisition at very high gain factors. The result? Full color images at low lighting levels, well beyond the point where most cameras have already turned to monochrome images. Moreover, as light levels drop even lower, most cameras fail to show any image at all, but ours still deliver detailed, usable monochrome images.

The perfect fit:

With Bosch you can fine-tune your traffic management system to perfectly answer your budget. The following Bosch cameras have been certified with FLIR ITS AID systems:

- ▶ DINION IP 7000 HD
- ▶ DINION IP starlight 7000 HD
- ▶ DINION IP starlight 8000
- ▶ MIC IP starlight 7000 HD

Certified cameras for an analogue system:

- ▶ DINION AN 4000
- ▶ DINION AN 5000



DINION IP 7000 HD



DINION IP
starlight 7000 HD



DINION IP
starlight 8000



MIC IP starlight
7000 HD

Security all round

In addition to our video surveillance systems, we offer a full line of security products and accessories, as well as a variety of tools to help you specify and design the optimum system for your operation. You can rely on our renowned quality and reliability, backed by a three-year warranty, and a world-class training and technical support. Also, compatibility with third-party products is assured, thanks to ONVIF¹ and our Integration Partner Program.

For additional information, please refer to our website or contact one of our sales representatives.

A tradition of quality and innovation

For over 125 years, the Bosch name has stood for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.

Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

¹ ONVIF (Open Network Video Information Forum) ensures interoperability between different products, regardless of manufacturer.

Bosch Security Systems

To learn more about Video Systems please visit www.boschsecurity.com/hdsecurity

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