



Our focus is to enable you to see every detail, everywhere

4k ultra HD technology



BOSCH
Invented for life

Enabling you to see every detail, everywhere

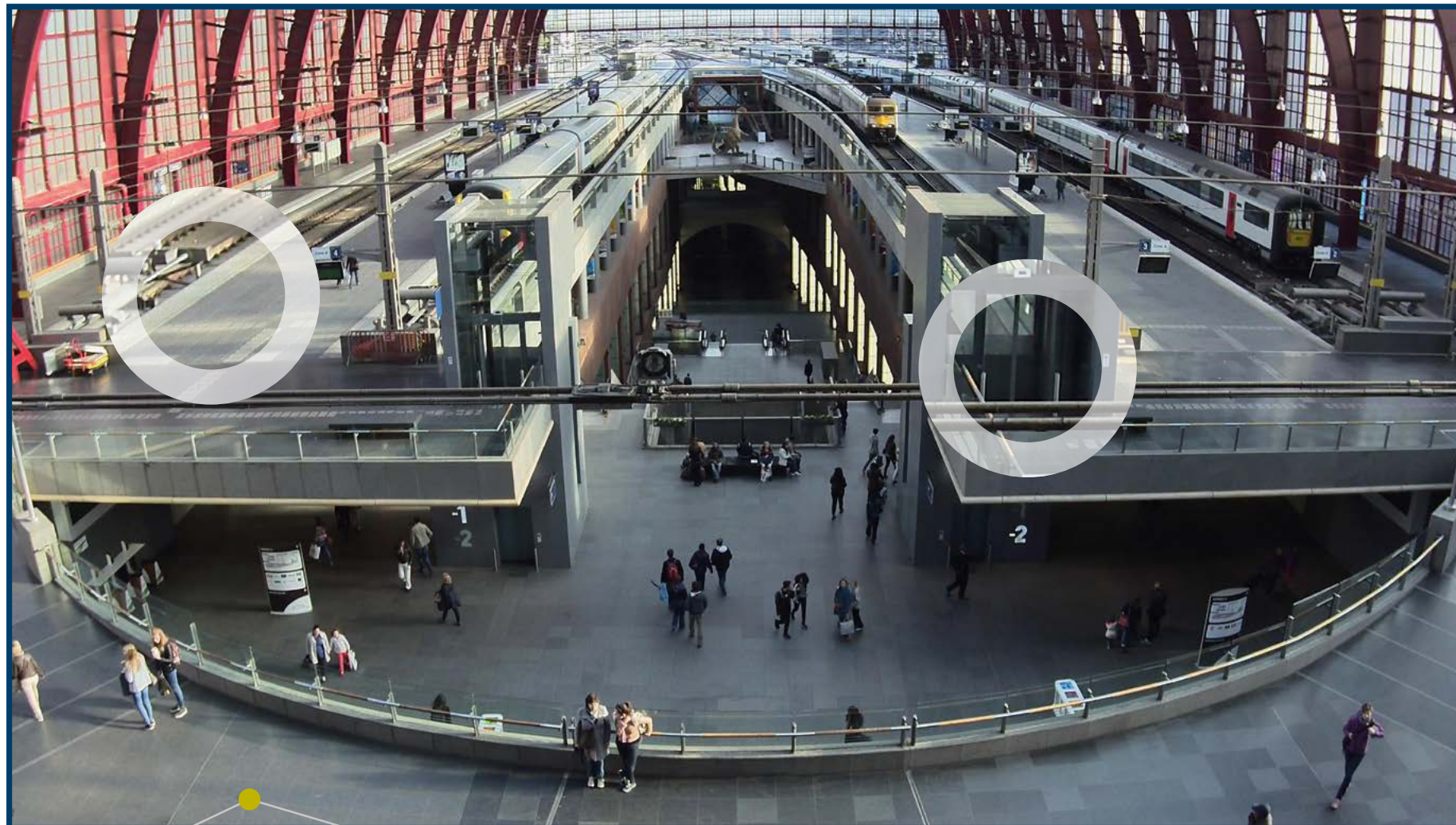
Covering a large area and identifying objects at a great distance is challenging. That's why the 4K ultra HD technology in our DINION IP ultra 8000 MP camera offers 12 megapixel resolution - to deliver amazing detail even when zoomed-in. With an incredibly high frame rate of 30 fps at 4K ultra HD and 20 fps at 12 megapixel resolution you can capture fast moving objects in high resolutions. This combination provides a level of detail that makes the difference when collecting evidence, with images that are perfect for a detailed and effective retrospective analysis. The camera's ability to give a wide-angle overview and multiple focus points on a single screen helps you concentrate on details without losing the bigger picture. With the DINION IP ultra 8000 MP, our focus is to enable you to see every detail, everywhere.



Watch the
4K ultra HD movie

Increased awareness and easy integration

Regions of Interest (ROI) allow zooming in on certain details of the full 4K ultra HD image. Close-up ROI images are transmitted in a separate stream, so both overview and detail can be viewed at the same time. Intelligent Regions of Interest tracking allows automatic tracking of persons or objects in a wide-angle frame, so you never lose track of them. The camera's innovative multi-stream capability also enables easy integration with 3rd party video management software as well as easy management of large video data to reduce network strain.



Available in two versions

For a wide angle overview two camera's with a permanently attached lens are available.
The lenses 3.2 or 5 mm are factory mounted and cannot be replaced.



70° - 120°
View angle

Wide angle overview
to see every detail without losing
the bigger picture



For long distance identification a camera with optional telephoto lenses is available.
Lenses 35, 50 or 75 mm for identification on various distances.



4,7° - 9,8°
View angle

Long distance identification
to easily identify objects at great
distance, ideal for stadiums



4K ultra HD

With 4K ultra HD and 12 megapixel resolution we go far beyond HD. Highly detailed images make it easy to distinguish individuals or minor details, significantly increasing the effectiveness of retrospective analysis. In order to deliver relevant high resolution images we need to overcome some challenges.

	Challenge	Bosch technology	The DINION IP ultra 8000 MP delivers you...
1	Manage bitrate	Intelligent Dynamic Noise Reduction	...a reduction of bitrate by up to 50% to reduce storage costs and network strain without compromising video quality
2	Capture fast moving objects in high resolution	High performance product architecture (CPP 6)	...the ability to easily capture fast moving objects: 12 megapixel resolution at 20 fps ¹ 4K ultra HD resolution at 30 fps ¹
3	Offer perfect exposure regardless of fluctuations in backlight and front light	Intelligent Auto Exposure (IAE)	...perfect exposure every time. Superb front light and incredible backlight compensation by automatically adapting to changing light conditions. The IAE technology also contributes to the outstanding dynamic range of the camera which boasts a massive 92+16 dB, totaling 108 dB, for the 4K ultra HD mode
4	Manage low light situations	Latest sensor technology	.. a light sensitivity of at least 0.36 lux in day mode (color) and at least 0.12 lux in night mode (black & white)
5	Manageability of data	High performance product architecture (CPP 6)	Multiple regions of interest (ROI) in combination with intelligent ROI tracking helps to focus on relevant details without losing the bigger picture and never to lose track of objects of interest in the wide-angle scene.



Watch the **IDNR movie**



Watch the **IAE movie**



¹⁾ Frames per second



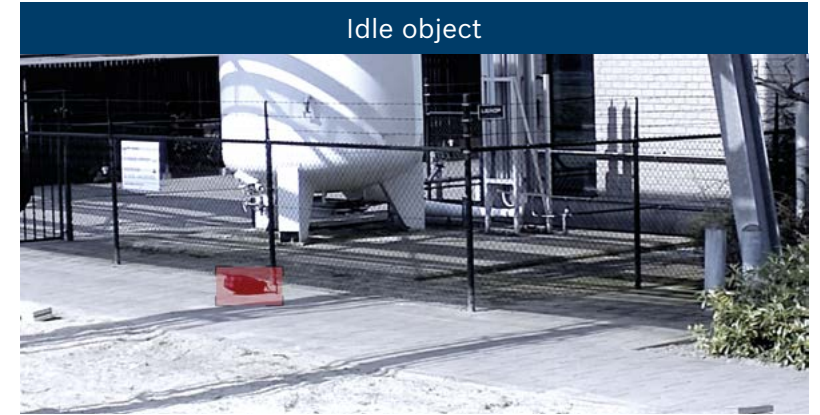
Climbing fence



Park in restricted area



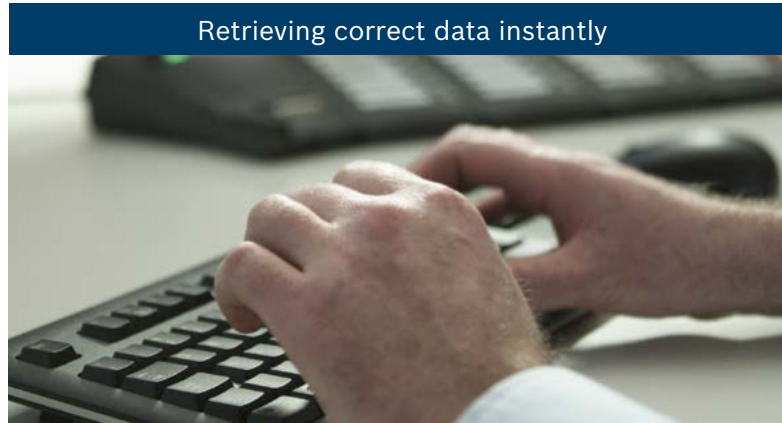
Idle object



Proactive and focused security



Retrieving correct data instantly



Everywhere at any time



Alerting you when needed with built-in intelligence.

Special features take IP cameras from Bosch, like the DINION IP ultra 8000 MP, to the next level. It is equipped with intelligent techniques to improve video quality and lower the costs of video surveillance. Intelligent Video Analysis (IVA) alerts you when needed and helps you quickly retrieve the correct data. It makes complex tasks easy and minimizes false alarms. For every single IVA camera you can choose a wide variety of advanced IVA alarm rules, ranging from perimeter protection (fence climbing), enforcing health & safety regulations (parking in restricted areas), Intelligent Tracking of moving objects to securing public spaces (idle object). It also allows to add sense and structure to your video by using metadata for fast and efficient retrieval of relevant images from hours of recorded material. IVA offers a fail-proof way to gather irrefutable forensic evidence or optimize business processes based on, for example, people counting or crowd density information. This helps operators, security personnel or shop owners to spend more time on other tasks, and respond only to important events or retrieve relevant information. And, since you cannot be everywhere at once, IVA can also alert you via your mobile device if needed.



Applying 4K ultra HD

Stadiums

Shopping malls

Airports

Train stations



A Tradition of Quality and Innovation

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

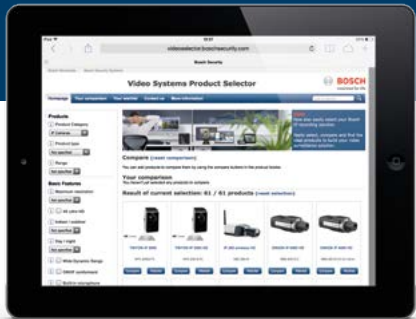
Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.



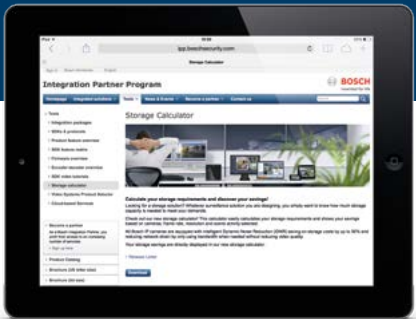
Bosch Security Systems

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

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Calculate your storage requirements

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