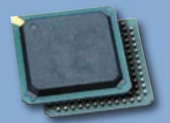
Outstanding picture quality enhanced with IP technology



Bosch DSP
The Dinion IP cameras are built around Bosch's own DSP chip technology, which delivers performance that sets Bosch apart from all the rest.

Key features

- **Hybrid IP camera – concurrent analog and Ethernet operation with built-in IP and BNC connections that bridge existing and new technology**
- **Superior digital image quality with IP connectivity**
  - **DVD-quality of 30 IPS at 4CIF**
  - **MPEG-4 and JPEG compression modes simultaneously**
- **15-bit digital signal processing* and XF-Dynamic for outstanding image quality and exceptional dynamic range**
- **Highest sensitivity for low light conditions – Day/Night IR* sensitive with mechanically switching filter or NightSense extended sensitivity**
- **Power-over-Ethernet (PoE), IEEE 802.3af compliant**
- **Complete system solutions – compatible with DiBos, VIDOS and other video management systems to create integrated, scalable systems**
- **Storage-efficient tri-streaming technology, with video multicasting and Internet streaming**
- **OSD-enabled network configuration makes set-up as easy as possible**

*Dinion^{XF} Day/Night IP only

Bosch IP cameras
Our Dinion^{XF} Day/Night IP and Dinion IP cameras offer unrivalled image quality and performance. Working with Digital or Networked Video Recorders (DVRs or NVRs), the Dinion IP cameras are the newest link in complete network-based CCTV systems that transmit encoded video, alarm messages and relay signals. Dinion IP cameras protect your current technology investment while providing you with a clear migration path to a fully digital CCTV solution. By combining award-winning camera performance and advanced network technology, Bosch's Dinion IP camera family is the cutting edge of high-performance digital CCTV.

Feature Overview

	Dinion^{XF} Day/Night IP	Dinion IP
IR Sensitive	•	
NightSense		•
15-bit Digital Signal Processing	•	
XF-Dynamic	•	
SensUP frame integration	•	
Video Motion Detection	•	•
Full Frame Rates	•	•
Power over Ethernet	•	•
Tri-streaming, video mulitcasting and Internet streaming	•	•

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Tradition of quality and innovation

For over 100 years, the Bosch name has stood for quality and reliability. Bosch Security Systems proudly offers a wide range of fire, intrusion, CCTV, management and communication systems and components to help you find the solution for any application. We are the global supplier of choice for innovative technology backed by the highest level of service and support. When you need solutions you can rely on, choose Bosch.

Dinion IP Camera
An eye to the future

High-performance IP Cameras for networked-based surveillance

BOSCH
Invented for life

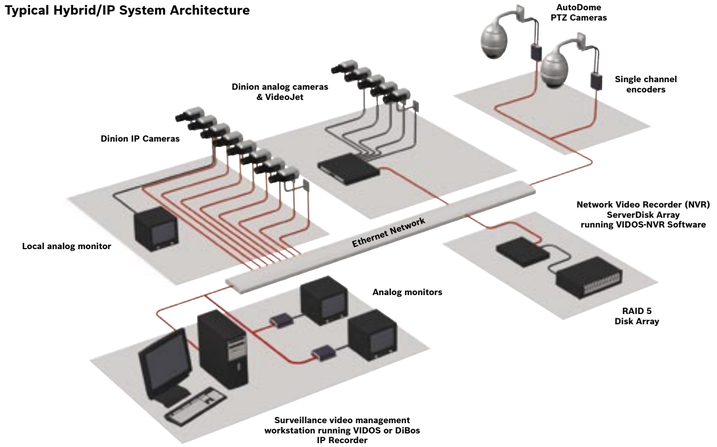
Advanced features, sleek stylish design

Dinion IP network cameras take the outstanding picture quality of the Dinion analog camera range to the next level of performance by adding the power of Internet Protocol (IP) connectivity. These cameras produce up to 30 images per second of high-quality video at a true 4CIF MPEG-4 video resolution with tri-streaming capabilities. You get top-of-the-line functionality with minimal network traffic and lower storage costs.

Dinion IP Camera

The perfect bridge
Bosch Security Systems' innovative Dinion IP cameras, including Dinion^{XF} Day/Night IP and Dinion IP are the perfect technology bridge between traditional analog video systems and the advanced benefits of digital video solutions. You extend the life of your installed systems and at the same time, you take advantage of advanced CCTV cameras with a talent for staying connected.

Typical Hybrid/IP System Architecture



System solutions
Dinion IP pictures may be viewed in an Internet Explorer browser and even on analog monitors using VIP XD decoders. What's more, scalable system solutions are easy to build when these cameras are used with the VIDOS video management system or the DiBos Hybrid Digital Video Recorder. In addition, the cameras' JPEG streaming may be used with third party video management software for even greater flexibility.

Image quality is everything
Image quality is the ultimate criterion for security cameras and Dinion IP delivers outstanding, crisp images under all lighting conditions – day or night. With the introduction of Bosch Dinion^{XF} Day/Night IP and Dinion IP cameras, high-performance surveillance over IP networks becomes feasible, easy and cost-effective.

Built around the powerful Bosch Dinion video processing chip, the Dinion cameras pack exceptional functionality, intelligence and image enhancement technology into a stylish yet unobtrusive housing. The Dinion^{XF} IP camera uses 15-bit digital signal processing (DSP) to enhance light sensitivity and XF-Dynamic to extend its viewing range with sharper, more detailed pictures and exceptional color reproduction accuracy. In low light, these cameras automatically switch from color to monochrome to boost their infrared illumination sensitivity while maintaining superior picture quality.

Outdoor perimeter with additional IR

Outdoor perimeter without additional IR

With XF-Dynamic

Without XF-Dynamic

Network powered
Integrating Bosch's renowned IP technology into the Dinion IP network cameras rounds out a product packed with features including motion detection, alarm management with relay output and time/date, event handling and alarm sensor input. Dinion IP's Power-over-Ethernet (PoE) feature makes installation easier and more cost-effective because the cameras do not require a local AC power source. With the use of an uninterruptible power supply in your wiring closet, your Dinion IP cameras continue to operate even if the power fails.

Efficiency and productivity
Dinion IP cameras capture and store images efficiently, thanks to MPEG-4 compression. And the cameras' tri-streaming capability – generating three separate streams of video simultaneously – lets them multitask with ease. From the MPEG-4 video streams, you might watch high quality images live while recording at lower frame rates. At the same time, the JPEG video stream is sending images to a remote receiver such as a PDA or cellular telephone.
In addition, bandwidth throttling and multicasting capabilities minimize network bandwidth and storage requirements while maintaining the image quality and resolution that Bosch's Dinion family of cameras perfected.

The Bosch IP advantage
Many businesses, institutions and organizations around the world are upgrading their facilities to IP-based CCTV surveillance systems. Bosch IP network products offer the compelling advantages of scalability, flexibility, optimal camera functionality, hybrid connectivity, a built-in migration path and economical cost of ownership – convincing reasons to invest in Bosch IP-based security systems.

Schools and universities

Museums and galleries

Retail and shoppping

Airports and mass transit

Casinos and gaming

Banking and finance

Hybrid advantages
Including both an Ethernet connection and analog BNC connector means the innovative Dinion IP cameras give you flexibility and scalability plus compatibility with existing CCTV systems. The coaxial cable connection and the on-screen display simplifies initial camera setup for field of view, focus, back focus and network configuration. No network connection is required to complete the installation process. You get the best of both worlds: easy migration to the latest technology while preserving the usefulness of your existing analog systems.

Why choose Bosch?
When and how quickly to make the inevitable transition from analog to IP video is a question nearly every security-conscious executive faces. Now you don't have to choose between IP and analog because Bosch IP video products give you both. Our products are compatible with analog components in legacy networks, so you can move to IP video at your own speed — all at once or one camera at a time. As a pioneer and world leader in IP video surveillance systems, Bosch delivers state-of-the-art technology – a sound investment for the future.