

AutoDome Modular Camera System

The only camera system ready to go wherever the future takes you



BOSCH

Invented for life

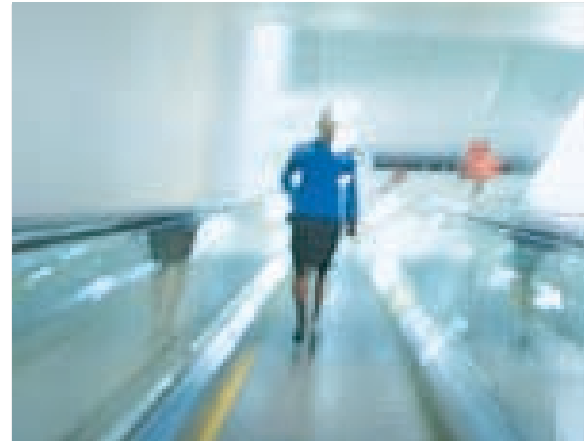


The AutoDome Modular Camera System

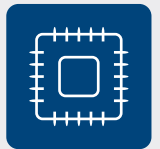
The world of CCTV will never be the same

Imagine a CCTV system that never becomes obsolete. One that allows you to upgrade functionality, adapt to changing security needs and migrate to new technologies without even having to power down your system. One that features advanced intelligence capabilities for capturing the most accurate images possible, and IP functionality for the most efficient transmission and storage of those images. This is the revolutionary concept behind the IP-enabled AutoDome Modular Camera System. With the new AutoDome, one camera and a series of interchangeable modules adapts to your changing security needs. The technology is sophisticated, but the idea couldn't be simpler.

The entire system is based on five types of interchangeable modules: the CPU, camera, housing, communications and power supply. Simply replace one of the interchangeable modules to switch from fixed to PTZ, upgrade from color to day/night, or add advanced intelligence features like motion tracking and IP communication. Never before have you been able to adapt a system as quickly or inexpensively.



The CPU Module determines fixed or PTZ capability as well as advanced functions like privacy masking, motion detection and tracking.



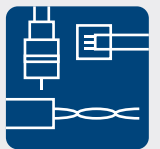
Camera Module choices include fixed or PTZ, color or Day/Night and zoom range.



Housing Module options are available for any indoor or outdoor application.



The Communications Module determines how video and data will be communicated to the matrix switch, DVR or IP video system.



Power Supply Module options meet your site specific installation requirements, whether indoor or outdoor, and are protected against unexpected surges in power.





Upgrading your CCTV system is now as simple as changing a lightbulb



AutoDome's flexible, interchangeable modules allow you to make whatever changes you need without buying a new system or installing new cameras. It's the last camera system you'll ever need to buy – the only system that can future-proof your security investment. And it's only available from Bosch.



Just remove the bubble...



Take out the "hot swap" fixed camera module...



Put in the new "hot swap" PTZ camera module...



And replace the bubble.

A 200, 300 or 500i CPU Module and PTZ Camera Module are required to add pan/tilt/zoom functionality to an AutoDome 100 Series dome.



As your security needs change, you can expand the functionality of your system by simply replacing the fully interchangeable CPU, camera and/or communications modules. The main unit remains intact. So you can start with a 100 Series stationary camera with the most basic features today and move up to an advanced 500i Series PTZ with image stabilization, motion tracking and alarm handling rules engine tomorrow – all as quickly and easily as changing a lightbulb.

	AutoDome 100 Series	AutoDome 200 Series	AutoDome 300 Series	AutoDome 500i Series
Dome type	Fixed Dome	High-speed PTZ	High-speed PTZ	High-speed PTZ
Optical Zoom Range	5x, 10x	18x	18x, 26x, 36x	18x, 26x, 36x
Standard Features				
Fully interchangeable CPU, communications and hot-swap camera modules	•	•	•	•
540 TVL high resolution camera	•		•	•
Wide dynamic range camera	•		• ¹	• ¹
Day/Night IR sensitive camera	•		•	•
SensUp frame integration	•		•	•
UTP and coax transmission	•	•	•	•
Hybrid analog/IP connectivity	•	•	•	•
Bilinx remote configuration	•	•	•	•
Cable compensation			•	•
Ruggedized, vandal resistant enclosure	•	•	•	•
Advanced Features				
AutoTrack II object tracking				•
Video motion detection				•
Digital Image Stabilization				•
Privacy masking and sector blanking			•	•
Programmable alarm handling “rules”			•	•

¹ only 36x models

See it all with exceptional clarity and control

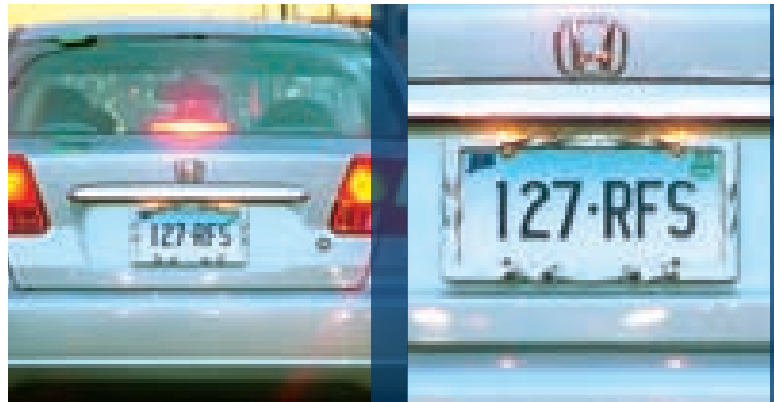
AutoDome camera modules are available with state-of-the-art technologies that are designed to deliver optimal image clarity, camera control and sensitivity. Whatever the situation, Bosch technology makes it easy to capture clear images.



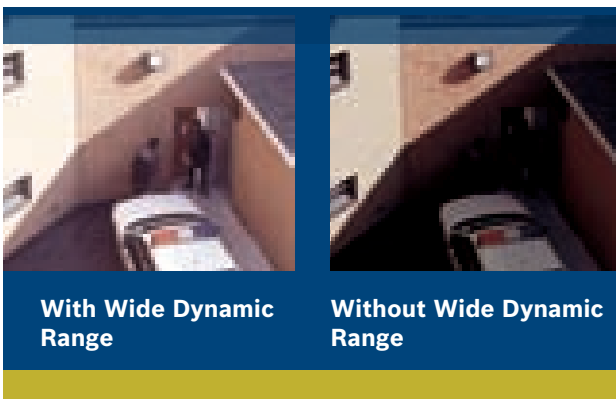
High-resolution optics – With horizontal resolution of up to 540 TVL, Bosch generates more TV lines than conventional CCTV cameras, resulting in dramatically sharper images for clearer and more accurate identification.

Precise camera control – Bosch patented AutoScale proportional zoom technology automatically reduces pan and tilt speeds in proportion to the depth of zoom, ensuring precise camera control regardless of zoom level. AutoPivot automatically rotates the camera 180° once it tilts past the vertical position to maintain correct image orientation.

Enhanced sensitivity – SensUp shutter control automatically slows shutter speeds to as long as one full second, increasing sensitivity by more than 50 times for clearer images in low light.



Extended zoom – Get tight close-ups with optical zoom lenses from 18x to 26x, or an industry-leading 36x plus a full 12x digital zoom once the end of the optical zoom is reached.



Wide dynamic range – Select AutoDome cameras also incorporate an advanced backlight compensation technology that dramatically improves the dynamic range by as much as 128 times, resulting in clear image reproduction in extreme high contrast environments.



Day/Night capability – Day/Night cameras automatically switch from color to monochrome, enhancing sensitivity for infrared illumination to provide high-quality images even in low-light conditions.

Tested tough for proven reliability



The AutoDome Modular Camera System builds on over 10 years of designing and manufacturing PTZ dome systems. Bosch subjects the AutoDome to the most comprehensive and rigorous battery of endurance tests in the industry so you can be assured of years of reliable operation.

Rigorous endurance testing – All models are subjected to Highly Accelerated Life Testing (HALT), Highly Accelerated Stress Screening (HASS) and Multiple Environmental Over Stress Testing (MEOST) to measure endurance and to ensure reliability.

Durability assured – Dome housings are tested to ensure resistance to water ingress, corrosion, ultraviolet rays, and impact.

Extreme conditions testing – Domes and components are subjected to extreme temperatures, voltages and vibrations to determine true operating limits.

Quality guaranteed – All AutoDome systems are backed by an industry-leading 3-year warranty.



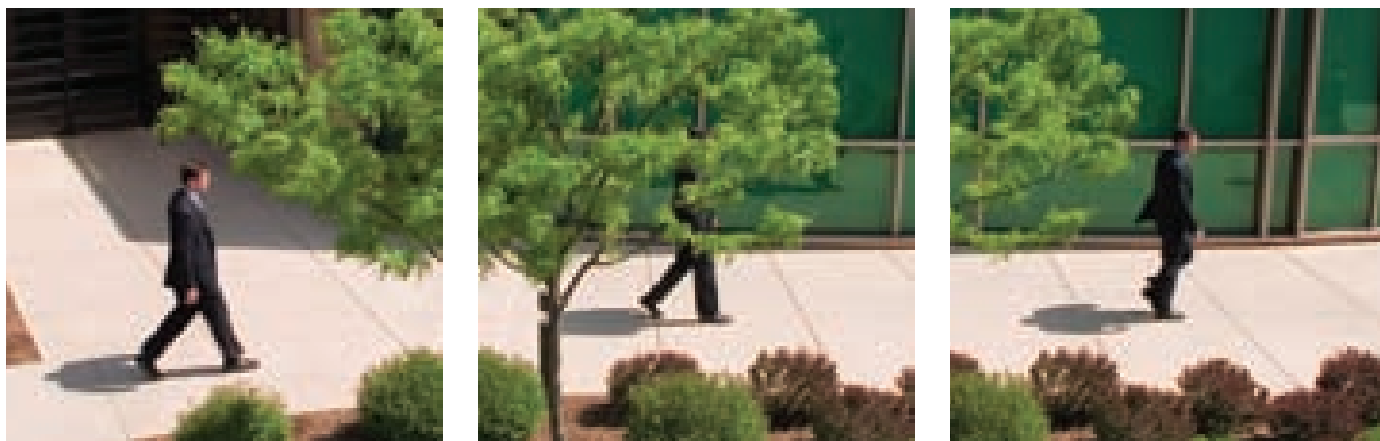
Improved design – The new compact housing is 15% smaller than the previous generation AutoDome and all tethers have been replaced by hinges, for safer, easier installation. The hinged arm provides access to the power supply without taking down the dome and built-in surge suppression protects all power, data and video inputs. EnviroDome models include an improved heater/blower that prevents fogging down to -40°C (-40°F). The “XT” extreme temperature kit extends EnviroDome’s operating range down to a frigid -60°C (-76°F).

Superior Ingress Protection – All AutoDome pendant enclosures – indoor and outdoor – are IP66/NEMA 4X rated, impervious to dust and protected from strong jets of water. The EnviroDome outdoor enclosure has been completely redesigned to offer superior corrosion resistance.

Improved vandal resistance – The protection of a rugged polycarbonate bubble, recessed set screws and recessed bubble latch are standard on all AutoDome housings.

Advanced intelligence for advanced capabilities

The true intelligence of the AutoDome Modular Camera System lies within the CPU module. For the most advanced functionality of any dome camera available, turn to the 500i Series CPU. With built-in image stabilization, motion detection, and a sophisticated alarm handling rules engine, the AutoDome 500i is unrivaled in the CCTV industry. And even if you don't need these advanced capabilities now, the modularity of the new AutoDome gives you the ability to quickly and easily upgrade to them in the future.



AutoTrack II with virtual masking accurately tracks subjects without getting confused by swaying trees or other moving objects.

AutoTrack II – The Bosch revolutionary and award-winning automated motion tracking system, AutoTrack, has been further enhanced in the 500i Series. It contains an advanced DSP, which provides real-time video processing for incredibly smooth object tracking. The new AutoTrack II also has the ability to continuously follow an object even if it passes behind a privacy mask. It also uses Bosch's unique virtual masking technology, which creates invisible masks so the camera ignores any motion that occurs in that area. This enables AutoTrack II to ignore extraneous background motion, making it ideal for indoor and outdoor applications.

Video Motion Detection (VMD) – With the AutoDome 500i Series, motion detection software can be configured to create a region of interest within multiple preset positions where motion is to be detected. AutoDome VMD is much more accurate than detection based on movement of a camera's focus motor, which competitive cameras rely on. VMD also takes advantage of Bosch virtual masking to ignore prescribed areas of motion.



With the advanced image stabilization software of the 500i Series, camera shake is eliminated for exceptional clarity.

Privacy Masking

Superior Privacy Masking – Unlike conventional masks, these can be configured with three, four or five corners, allowing you to cover more complex shapes. You can even choose among black, white or blurred masks – an essential option when privacy is required but motion detection is still necessary.

Digital Image Stabilization – As zoom ranges are extended, image stabilization becomes increasingly important. The image stabilization algorithms of the 500i Series eliminate camera shake for exceptional image clarity. Bosch achieves this clarity without reducing camera sensitivity or picture quality.

Advanced Alarm Control – This new concept in flexibility goes far beyond ordinary alarm handling. In its most basic form, a rule defines which input(s) should activate which output(s). In a more complex form, a rule can be programmed to take any combination of input(s) and specific keyboard command(s) to perform a dome function. There is virtually no limit to the combinations that can be programmed, making the standard dome software adaptable to any application.

IP flexibility and integration maximize your investment

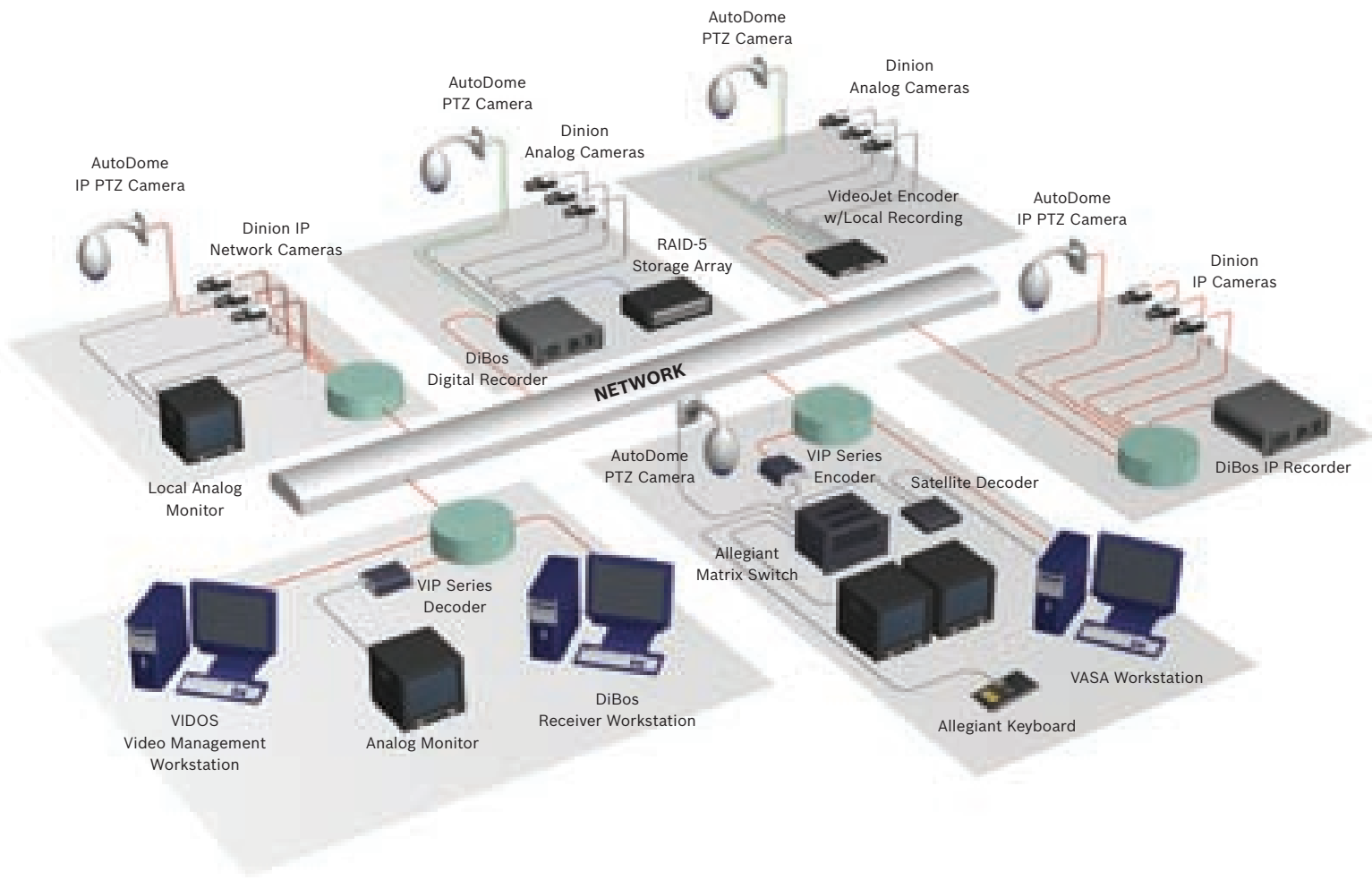
The new AutoDome Modular Camera System is now IP-enabled, making it the perfect technology bridge between traditional analog systems and the advanced benefits of digital video solutions. And unlike other IP domes, with AutoDome there is no loss of functionality with our IP models. Retain all the features you need while improving connectivity and communication.

AutoDome cameras capture and store images efficiently using MPEG-4 encoding and compression, which also delivers DVD-quality 4CIF video at rates up to 30 images per second. Tri-streaming, bandwidth throttling and multicasting capabilities deliver the best image quality and resolution while making efficient use of bandwidth and storage.

For those who aren't ready to convert completely to IP, AutoDome offers true hybrid connectivity. By allowing the simultaneous support of IP and analog formats, AutoDome lets you make the transition to IP on your terms. Your sizeable investment in analog technology is protected as you decide on an IP migration strategy. You can then move to IP at your own speed – all at once or one camera at a time. Rather than forcing you to choose one or the other, we give you both.

The AutoDome Modular Camera System also maximizes your investment by easily integrating with the entire line of Bosch surveillance products, including Allegiant matrix switchers, DiBos and Divar digital recorders, and the VIDOS IP-based video management system. Combining the complete line of Bosch products lets you count on one reliable manufacturer for an integrated, low-maintenance CCTV system for any application.





AutoDome Modular easily integrates with other Bosch analog and IP surveillance products.

A solution only Bosch could create

No one has more experience in CCTV than Bosch, whose roots go back to the genesis of the industry. We introduced one of the first integrated PTZ dome cameras over a decade ago, and we've been building on that technology ever since. We created the first AutoDome with internal automatic tracking technology, and now the first modular dome camera platform. Bosch is the industry leader, with thousands of systems installed worldwide. In fact, four of the world's five largest airports rely on AutoDome surveillance, as do public transportation centers, government buildings, city centers, casinos, prisons, banking institutions, retail stores and much more. The Bosch name is synonymous with quality the world over.





A Tradition of Quality and Innovation

For over 100 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.



Bosch Security Systems

To learn more about our product offering, please visit www.boschsecurity.com or send an e-mail to emea.securitysystems@bosch.com

© Bosch Security Systems, 2007
Printed in the Netherlands
Modifications reserved
VS-FP-en-01_F01U518432_02