Join the Movement
The Moving Camera Portfolio

BOSCH
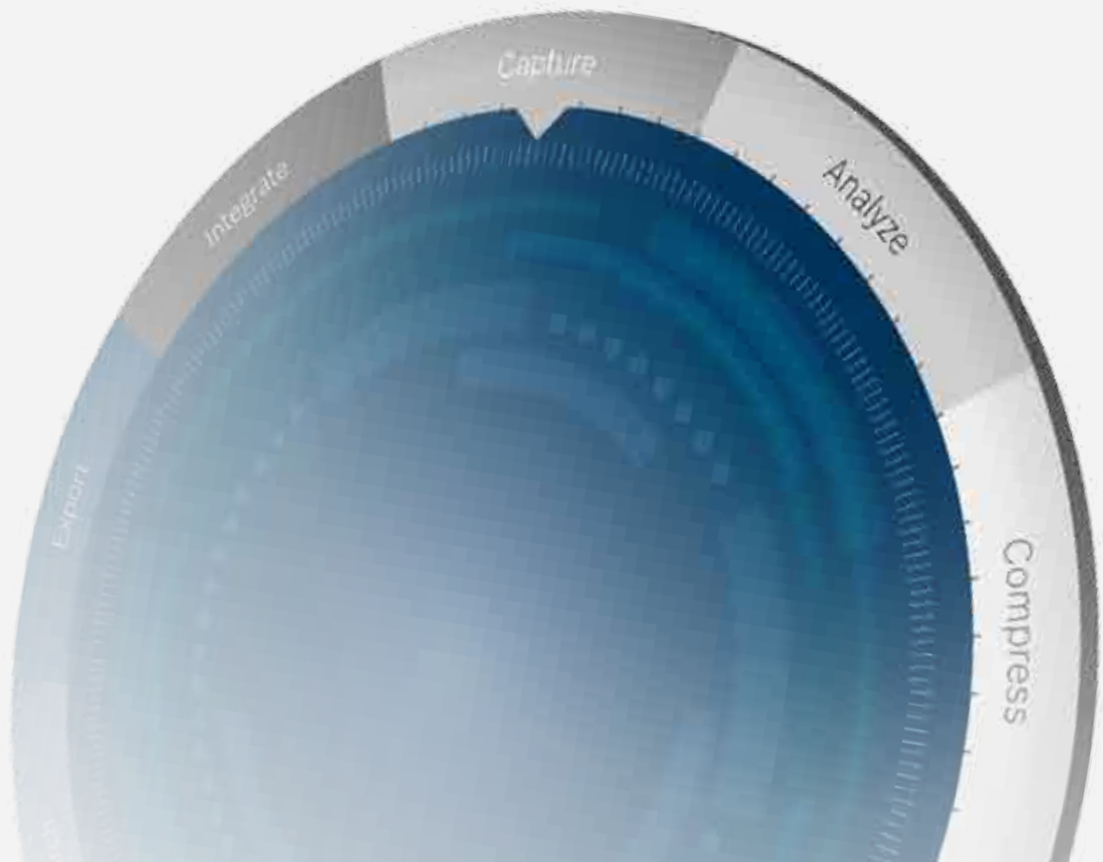Invented for life

The Movement Begins

Bosch cameras use sophisticated sensors, lenses and processing circuitry to reproduce what your eye sees, capturing video with exceptional image quality. Powerful processing provides crucial details in challenging lighting conditions to maximize image usability. And, ruggedized housings strengthened with environmental and mechanical designs, ensure Bosch moving cameras survive the elements for reliable performance.

Imageology
– the science of surveillance

Capture
Analyze
Compress
Transmit
View
Store
Search
Export
Integrate

The Moving Camera Portfolio

Follow the action in every environment, in every lighting condition, in every type of weather with Bosch moving camera solutions. From AutoDome to the MIC series, we have the right camera system to fit an incredibly wide range of applications.
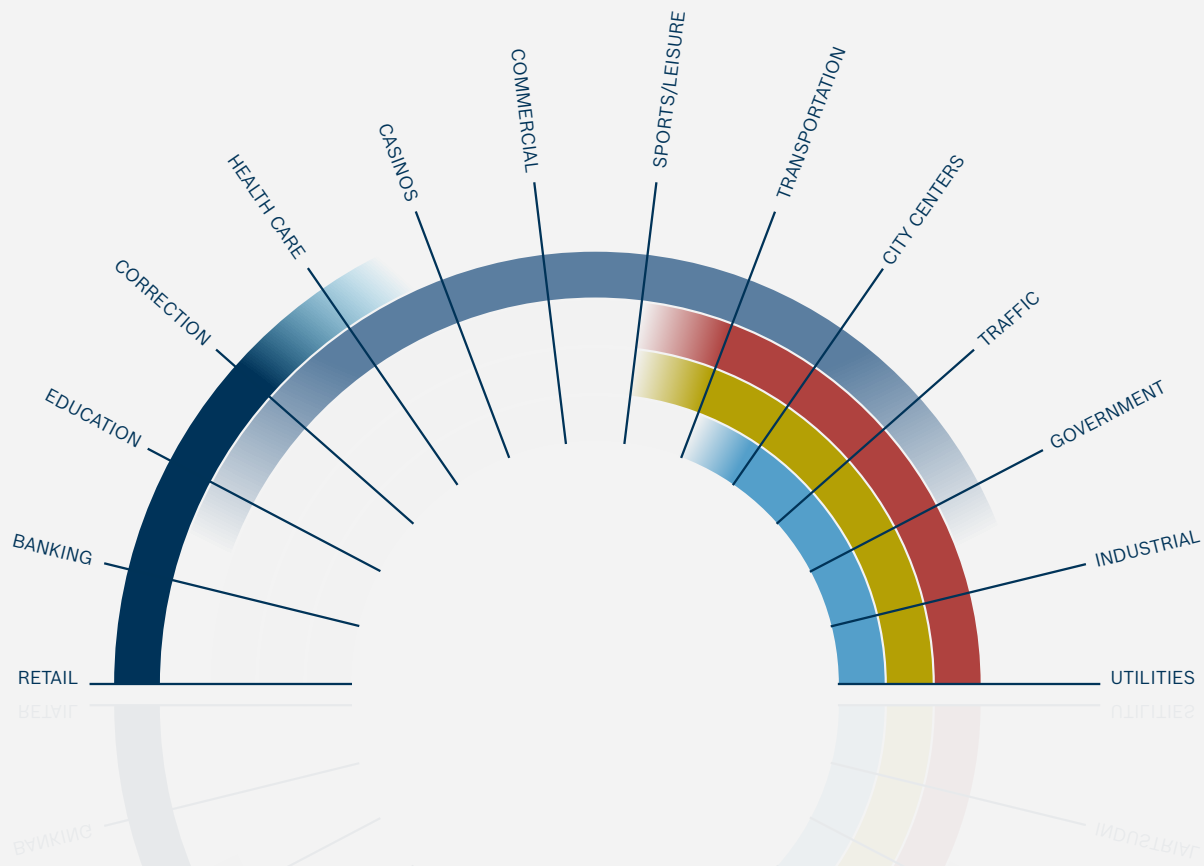
⬤ **AutoDome Easy**   ⬤ **AutoDome Series**   ⬤ **MIC Series**   ⬤ **HSPS Series**   ⬤ **GVS1000**

HEALTH CARE
CORRECTION
EDUCATION
BANKING
RETAIL
CASINOS
COMMERCIAL
SPORTS/LEISURE
TRANSPORTATION
CITY CENTERS
TRAFFIC
GOVERNMENT
INDUSTRIAL
UTILITIES

Designed for Ease
Intelligence in Motion

Quick connect system
Simplified wiring, a modular design and easy mounting speed installation.

IVA with AutoTrack
Analyze scenes, alert operators and track security risks to automate surveillance and detect threats earlier.

AutoDome Series

The AutoDome series is designed to be exceptionally easy to use. Pre-terminated, color-coded wiring and a quick connect system between the camera and mount make the AutoDome faster to install than other pan-tilt-zoom domes. The modular design of the AutoDome delivers flexible installation and investment protection.

Upgrading is as simple as changing a lightbulb. The AutoDome system is based on five types of interchangeable modules: the CPU, camera, housing, communications and power supply. Just replace one of the modules to switch from fixed to pan-tilt-zoom, move from color to day/night, or add motion tracking and IP communication.

The AutoDome's advanced intelligence capabilities help to automate surveillance. Powerful Intelligent Video Analysis automatically alerts operators to suspicious activity. With AutoTrack II, the camera continuously follows the object of concern, even if it passes behind a privacy mask.

State-of-the-art technology delivers optimal image clarity, camera handling and sensitivity. Our high-resolution optics provide sharp images with the details needed for accurate identification. Bosch's patented AutoScale technology automatically reduces pan and tilt speeds in proportion to the depth of zoom, ensuring precise control.

Intelligent IP technology and features include H.264 Main Profile compression for DVD-quality video that requires up to 50 percent less storage space than MPEG4. And, conformance with the Open Network Video Interface Forum (ONVIF) standard enables simplified integration with other vendors' systems.

AutoDome HD 800 Series *(coming soon)* is the newest addition to the moving camera family. Choose from 720p or 1080p TVL resolution for the detail level needed to distinguish fine features in a scene.

Key Applications:

- Health Care
- Casinos
- Commercial
- Government
- Sports/Leisure
- City Centres
- Transportation

Proven to Outlast

Rugged dome
Heavy-duty, high impact, tamper resistant housing helps protect against vandalism and theft.

Compact size
One-third the size of traditional pan-tilt zoom domes and smaller than most other minidomes.

AutoDome Easy II & AutoDome Junior HD

AutoDome Easy II and AutoDome Junior HD are rugged, compact, pan-tilt-zoom cameras available in analog and IP versions. Ideal for discrete surveillance, they offer many features typically found only in traditional high-speed dome cameras.

Subject to the industry's most demanding endurance tests, AutoDome cameras deliver years of dependable operation and performance in both indoor and outdoor applications. They deliver critical images even in the toughest environments.

Lower bandwidth consumption and storage costs result from the AutoDome Easy II IP camera's use of efficient H.264 Main Profile compression for high resolution video that provides the best possible viewing experience, while significantly reducing bitrates.

Tri-Streaming allows three independent video streams for greater flexibility. Use a low latency stream for live viewing and control a H.264 Main Profile stream for recording with maximum compression, while sending JPEG images to a handheld device.

With optional Intelligent Video Analysis (IVA), you can transmit only alarm video over the network to further reduce bandwidth requirements. IVA allows the IP camera to autonomously detect suspicious behavior, and alert security personnel.

High-definition imaging is delivered in the 1080p AutoDome Junior HD. Crisp video captures forensic level detail – an indispensable feature for object recognition, such as watching over monetary transactions or keeping track of small, high-value items.

Key Applications:

- Retail
- Banking
- Education
- Correctional

Conquer the Darkness

Dinion 2X digital imaging
2X-Dynamic technology captures all the crucial details in any lighting conditions.

Integrated infrared illumination
3D diffuser active infrared illuminators provide evenly-lit night-time surveillance images up to 308 meters / 1000 feet away. *(see right)*

High Speed Positioning System

The High-Speed Positioning System (HSPS) helps you track fast-moving objects day or night. Combining Bosch's award-winning Dinion 2X digital imaging technology and infrared illuminators with a precise high-speed camera positioning platform, results in a system that is ideal for monitoring applications that require high-resolution optics in all lighting conditions – indoors or out.

Bosch's innovative 2X Digital Signal Processing produces sharp, detailed images and outstanding color reproduction in even the harshest natural or artificial lighting. 2X-Dynamic technology and dual exposure sensors analyze images pixel-by-pixel to produce the most detailed view of scenes with difficult lighting. High or low contrast scenes are handled easily, and the camera automatically adapts to lighting changes.

Add a pair of Bosch 3D Diffuser active infrared illuminators for up to 308 meters / 1000 feet of crisp imaging, even in complete darkness.

3D Diffuser and Constant Light Technology enable Bosch illuminators to provide enhanced night-time surveillance. 3D Diffuser technology produces even illumination throughout the foreground and background of the scene. Constant Light Technology overcomes naturally occurring LED degradation for a consistent level of lighting performance.

Track fast-moving objects with minimal effort with 360 degrees of continuous rotation at speeds up to 100 degrees per second, and 130 degrees of tilt at up to 40 degrees per second. Zoom and speed are synchronized for smooth, focused video images at all times, and automated functions remove manual steps in critical situations, allowing you to call-up crucial images quickly and precisely.

Key Applications:

- Utilities
- Industrial
- Government
- Traffic
- City Centres
- Transportation
- Sports/Leisure

Survive the Elements

Performance optics
Superior optical zoom through a flat glass window with an integrated wiper.

Mounting versatility
Faultless operation whether upright, canted or inverted gives you a host of viewing possibilities.

Water and dust proof
Certified for IP68 and NEMA 4X. 15mm aluminum or stainless steel casing protects against vandalism.

MIC Series

Built to exacting standards, the MIC series is available in aluminum, stainless steel, certified explosion-protected, infrared, and thermal versions. This diversity enables MIC cameras to deliver absolute performance in a vast range of locations.

Environmental versatility makes the MIC Series the ideal choice for ports and airports, public area surveillance, defense and force protection, industrial locations and other critical infrastructures. Rated to IP 68, the vandal-resistant camera housing is suitable for installation in the harshest environments, including areas exposed to corrosive materials or gases. Sealed against water ingress, the camera series can operate even when submerged in up to one meter of water. And, explosion-protected models meet the exacting certification requirements for safe use in hazardous locations, including oil, gas, chemical processing sites and petrochemical refineries.

An integrated silicone wiper and heater enable the MIC Series to capture the highest quality images regardless of conditions. Proven reliability in applications as diverse as the coldest coastlines and the hottest deserts ensures you get the picture you need regardless of the environment.

The MIC series delivers pinpoint accuracy, ultra-smooth control, and near-silent operation through brushless motor technology and a full 360 degrees of continuous pan and 320 degrees of tilt.

Corrosion protection is ensured using both an Alochrom 1200 coating and a robust powder paint coating. Alochrom 1200 is a chromate conversion coating of aluminum, used in the aerospace and defense industries where a protective layer is required to improve corrosion resistance.

Key Applications:

• Utilities
• Industrial
• Government
• Traffic
• City Centres
• Transportation
• Sports/Leisure

Go the Distance

Infrared illumination
Two sets of illuminators enable long and medium-to-short range night-time imaging

Advanced optics
IR-corrected, long range lens and high performance Dinion 2X sensor produce ultra-high quality images.

GVS1000

Assess threats faster and more accurately with the industry's longest-range active infrared imaging system: the GVS1000. This system helps you identify potential intruders at distances that are nearly impossible to achieve with other night-time surveillance technologies. The GVS1000 delivers detailed images up to 1 kilometer / 3200 feet away, so you can see faces, read markings, and determine the intent of potential intruders.

High-performance Bosch Dinion sensors create the best possible image, even under the most difficult light and scene conditions. Two sets of active infrared illuminators enable exceptional long range night-time imaging as well as short to medium range identification. Control infrared illumination manually or configure it to turn on and off automatically using a photocell.

The system's long-range lens delivers 60x optical zoom and works in conjunction with the Dinion sensor to produce ultra-high quality images at far distances in day and night conditions. This level of imaging enables critical infrastructure or border sites to classify an object as human, animal, or vehicle at remote perimeters. Ports can also recognize marine vessels as friend or foe by distinguishing ship markings, and government and law enforcement agencies can identify human targets.

A high precision pan and tilt motor and rugged all-weather design, including weatherproof housing and integrated wiper, ensure the GVS1000 is suitable for precise imaging even in the most extreme weather environments.

Full Detection, Classification, Recognition and Identification (DCRI) capabilities in total darkness is delivered by combining Dinion 2X cameras with Bosch infrared illumination. Extraordinary detection capabilities include 1 kilometer /3200 feet of recognition-level imaging and 1,200 meters / 3900 feet of classification-level imaging.

Key Applications:

- Transportation
- Government
- Industrial
- Utilities

The Power of Choice

Select the best camera for your application using our comparison guide that identifies optical range, transmission type, intelligence, and more. Whatever your application, Bosch moving cameras are field proven, used by schools and universities, government agencies, correctional facilities, retail stores, casinos and in many other commercial and industrial environments throughout the world.

Every camera system is backed by Bosch's superior customer service and technical support teams. Our goal is total customer satisfaction through products, service and support. We'll help you make the most of your security investment.

Choose the right moving camera

	AutoDome Easy/Junior	AutoDome Series	MIC Series	HSPS	GVS1000
Camera Type	¼" Color ½.₅"CMOS Day/Night (HD)	⅓" Color or Day/Night (fixed) ¼" Color or Day/Night ⅓" CMOS Day/Night (HD)	¼" Day/Night	⅓" or ½" Color or Day/Night	½" Day/Night
Resolution	SD, HD	SD, HD	SD	SD	SD
Optical Range	Short	Short-Medium	Short-Medium	Medium-Long	Long-Extreme
Night Vision	—	—	Active Infrared Thermal	Active Infrared	Active Infrared
Video Transmission	Analog IP	Analog IP	Analog*	Analog*	Analog*
Intelligence	Video Analytics	Video Analytics Auto Tracking	—	—	—
Ruggedness	Vandal Resistant	Standard	Vandal Resistant Extreme Environment	Standard	Standard
Environmental	Outdoor models: IP 65 Indoor model: IP54 (Junior HD)	In-ceiling housings: IP 54 Pendant housings: IP 66 Pressurized Environmental Housing: IP 67	IP 68 and NEMA4X	IP 66	IP 65
Specialty Options	—	Pressurized Extreme temp package	Active Infrared Thermal Stainless Steel Explosion Protected Public Address	Active Infrared	—

*Compatible with IP Encoders

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.