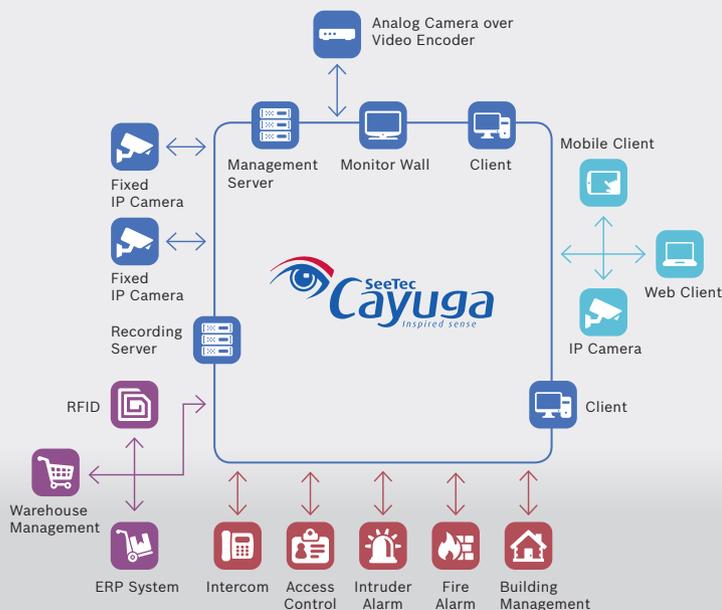# Integrated Video Surveillance Solution
Bosch Security Systems and SeeTec AG

BOSCH

Invented for life

Solution summary

▶ Deep integration provides access to unique video features and functionality such as intelligent noise reduction for clearer images and reduced storage and bandwidth requirements

▶ Single architecture for small and large solutions guarantees scalability

▶ Interoperability with Bosch IVA

▶ Open architecture enables customizing and extensions for tailor made solutions

▶ Ready to use modules for specific industries and applications such as logistics or retail

▶ Close partnership delivers the latest technology innovations

See Tec

The partnership between Bosch and SeeTec guarantees that all IP-based video products from Bosch will seamlessly integrate with SeeTec's video management solutions. With Bosch IP video devices and the management solutions from SeeTec you can implement powerful and flexible video solutions for security applications. Existing SeeTec customers have the opportunity to use proven Bosch technology and quality when extending existing systems or replacing cameras with more feature rich models like the latest starlight HD cameras, designed for high performance in extreme low-light conditions. Customers can also benefit from the event trigger in leading intelligent video analysis from Bosch.

SeeTec Cayuga is available in three basic packages for up to 50, up to 100 and for an unlimited number of camera channels – in accordance with the requirements of various project sizes. All products are based on the same technical platform. This means that upgrades can be carried out simply by importing a new license code.

SeeTec Cayuga is at the core of the SeeTec Multi Solution Platform. With this modular system concept, SeeTec Cayuga offers a range of application options extending far beyond the traditional security sector. Thanks to a variety of different modules and interfaces that can be docked onto the SeeTec Cayuga core software, individual, scalable video management solutions are produced for every conceivable application and purpose.

Compatibility

SeeTec	Bosch devices
SeeTec Cayuga S50	**Bosch IP cameras**
SeeTec Cayuga S50 X	Autodome Easy II
SeeTec Cayuga S100	VOT-320V
SeeTec Cayuga Infinity	NBC/NDC/NTC 225/255, NDN-265
SeeTec Cayuga Infinity X	NBC/NDC/NTC-265, NBC/NDC 4XX
	NBN/NDN 4XX
	Autodome Junior
	Autodome Junior fixed
	NBN/NDN 9XX
	Autodome 800, Autodome 700
	NWC/NWD 455/495
	NBN/NDN-8XX
	Bosch Encoder
	VIP X1600 XFM4, VIPX1/X2
	VIPX1600M4S
	VIP X1XF/XF-E
	VJT X20/40 XF-E, VJ X10/20/40
	VJ X10/20/40SN

Applications / Vertical Markets

Logistics
Track and document parcel movements in your hubs and and benefit from industry specific extensions such as integration of video management and warehouse management for faster tracking.

Finance
Ensure indoor and perimeter security in banks, using the same leading camera technology and management architecture for small to large branches.

Retail
Centralize operations and management of video surveillance in multiple stores across the country.

Transportation
Combine best in class day and night cameras with a scalable management solution to protect airports, train stations and mass transit systems.

Key features from Bosch covered in the solution

Automatic network replenishment using edge-storage	Gaps in the centralized recording due to network interruptions, are automatically filled using edge-storage buffering (e.g. using SD-card inside of the camera).
Breakthrough technology for best results in low light conditions	Starlight HD cameras from Bosch deliver high performance in extreme low-light conditions.
Camera performance and reliability	Bosch's broad range of IP cameras will allow you to find the one that fits your needs. What they have in common are great image quality and long-lasting performance with low maintenance requirements.
Convenience and ease of installation	Bosch cameras are designed for ease of use and installation, including PoE models that can save substantial cabling cost and effort.
H.264 compression	Using the H.264 compression standards ensures that the data rate remains low even with high image quality and can also be adapted to local conditions within wide limits.
Intelligent Video Analysis (events)	SeeTec currently supports the following rules: tripwire, area of interest, motion detection.
Low Bandwidth and Storage Requirements	Enhanced Features like intelligent noise reduction and intelligent Auto Exposure greatly improve image quality and dramatically reduce bandwidth and storage requirements.
Motion alarms	Cameras that contain a built-in algorithm for detecting movement in the video can be used for receiving motion events.
Receive and render Bosch IVA stream	Display an "IVA overlay" using the camera's IVA meta data stream, assisting the operator in object detection and classification.

SeeTec Cayuga Highlights

Fresh Visual Appearance
An intuitive usability is enabled by restrained colors and reduced amount of icons. Additionally touch-based input devices are supported.

SeeTec Analytics Interface
Offers the opportunity to use camera based image evaluation or analytics tools from third-party manufacturers in cooperation with SeeTec's software.

The New Internal SeeTec Redundancy Concept
In case of a server breakdown it guarantees an interruption-free system operation that includes central administration server or recording server.

A Multi-level Administration
Enables a mapping of graduated responsibilities (e.g. for individual headquarters) in the SeeTec user management.

SeeTec AG is a leading vendor of video management software and develops solutions for security applications in organizations of any size. Furthermore, SeeTec provides particular solutions for the transportation, logistics, retail and finance industries as well as for critical infrastructures and cities. SeeTec supports its customers in all project stages and makes sure with a sustainable service concept that their video systems are always up to date even after purchase. In addition to the headquarters in Bruchsal (Germany) SeeTec runs sales and support offices in France, UK, Austria, Switzerland and Turkey and relies on a worldwide network of certified partners.

For more information, visit: **www.seetec-ag.com**

The Bosch division Security Systems is a leading global supplier of security, safety, and communications products, solutions and services. Protecting lives, buildings and assets is our aim. The product portfolio includes video surveillance, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communication of voice, sound and music complete the range. Bosch Security Systems develops and manufactures in its own plants across the world. Additional information can be accessed at www.boschsecurity.com

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