Flawless performance for every application
Professional video recording and management solutions

BOSCH
Invented for life

Bosch has perfected the study of Imageology –
the science of surveillance

Each step of image usability is guided by our uncompromising vision to push the limits, to look beyond the standard and set the direction for security surveillance. The result is security products that provide comprehensive integration and exceptional image quality.

Surveillance applications demand reliable, efficient storage of video data regardless of the selected medium. Storage is simple and scalable to allow for small and large amounts of data to be retrieved for fast playback. Additional capacity can be added on the fly to adapt to individual system needs.

DVRs and hybrid recorders

Bosch DVRs allow storing video from analog cameras that are directly connected and provide their own easy-to-set-up user interface. Hybrid DVRs allow storing video from IP cameras in parallel with analog cameras.

Direct-to-iSCSI recording

Bosch cameras can record directly onto iSCSI storage systems connected anywhere on the network without a PC or software. Our cameras use the available storage space efficiently and keep control of the connectivity.

Video Recording Manager

Bosch Video Recording Manager (VRM) provides a Distributed Network Video Recorder (NVR) solution, eliminating the need for dedicated NVRs and ushering in the second generation of IP network video recording.

Bosch Security Systems test and research facilities in Eindhoven, The Netherlands

Capture
Analyze
Compress
Transmit
View
Store
Search
Export
Integrate

Store

View

Search

Full solutions for
video recording

Bosch recording solutions are serious business tools for total video surveillance management. They provide you with convenient, centralized control of your surveillance system.

Each Bosch recording solution delivers exceptional video performance, whether it's real-time viewing, or recording and playback. Our solutions allow you to tailor video quality to your particular needs – capture the detail you want while saving on storage space and reducing costs.

Whatever your requirements – from a small business with a single camera to enterprise networks operating hundreds of cameras, and everything in between – Bosch has the best video recording and management solution to meet your needs.

Bosch quality you can rely on

▶ Optimal image usability

▶ Faultless operation with minimal maintenance requirements

▶ Exceptional video performance

▶ Intuitive and easy to use

▶ Standard three-year warranty

Dibos Hybrid Recorder 900 Series for customized security

Divar Video Recorder 600[1] Series for medium-sized applications

Video Recorder 400 Series for applications up to 4 cameras

Divar Hybrid and Network Recorder 700[2] Series for demanding system applications

DSA Series iSCSI Video Storage Arrays for highest data availability

Video Recording Manager (VRM) software for maximum control and scalability

[1] Formerly called Divar MR

[2] Formerly called Divar XF

Video Recorder 400 Series for applications up to 4 cameras

Divar Video Recorder 600* Series for medium-sized applications

Manage your security **easily**

Stepping up to complete **control**

As a small business owner, you can't afford to spend time setting-up and operating your surveillance system. You need a hassle-free video management solution that gives you what you need, in the easiest way possible.

If you run a school, hotel or business facility – with one or multiple sites – you need a video management solution that gives you complete, effortless, control.

Your business requires a highly reliable solution with superior image quality. And, if an incident happens, you must be able to find the event recording easily and quickly with the flexibility to watch video from wherever you are.

You need to keep storage costs down too. Bosch's advanced H.264 compression technology reduces video data size without sacrificing image quality.

Easy installation is essential, so a stand-alone recording solution that is ready to use right out of the box makes perfect sense. You simply plug it in and begin recording immediately with no configuration required.

You get continuous operation with little or no maintenance needs. And, remote monitoring and management online from any location gives you the flexibility and convenience you want.

Video Recorder 400 Series

- ▶ Perfect for small businesses with up to 4 analog cameras
- ▶ Ready to go straight from the box
- ▶ Easy-to-use Web interface
- ▶ Minimal maintenance and operating costs

Video Recorder 600* Series

- ▶ Designed for small to medium-sized facilities with up to 16 cameras
- ▶ High quality images with a plug and play set up
- ▶ Uncomplicated operation and management
- ▶ Minimal maintenance and operating costs

*Formerly called Divar MR

Divar H.264 Hybrid Recorder 700* Series for demanding applications

Security that **grows** with your needs

For your bank, retail store or commercial building, you need a scalable video management solution that is easy to set up and use, yet powerful and flexible enough to meet your ever-changing security needs.

You expect a solution that expands to support multiple locations with a generous number of analog and IP cameras. You also want to monitor all your facilities from a single location.

Comprehensive alarm management lets you create a fully automated surveillance solution, helping operators react immediately and appropriately to security events.

The recorder must capture every image detail while conserving storage with advanced H.264 compression technology.

Divar H.264 Hybrid Recorder 700* Series

▶ Ideal for medium to large environments with demanding surveillance criteria
▶ Controls up to 16 analog and 16 IP cameras
▶ Real-time 4CIF recording on every channel
▶ RAID-4 protection against a single hard disk failure and easy storage expansion capabilities
▶ Software development kit and technical support for third-party integration
▶ Text data recorded together with video

*Formerly called Divar XF

Divar Network Recorder 700 Series for dedicated IP systems

Dedicated to IP

Your security system checklist for your shopping center, financial institution or city center puts excellent image quality and convenience as your top priority. Take advantage of Bosch's dedicated IP video management solution to maximize camera and networking capabilities.

While typical IP solutions consist of many separate components – NVR server, PC client, external RAID storage array and software – Bosch's Network Recorder 700 Series is an all-in-one IP video management solution.

Bosch IP solutions are inherently scalable, making it easy to expand your system when required. You can increase storage whenever you need it through in-field updates that don't require a service call. Alternatively, you can also expand storage capacity by adding Bosch disk arrays.

Divar Network Recorder 700 Series

▶ Designed for medium and multi-site IP systems with as many as 32 H.264 IP cameras
▶ Install and operate a full IP surveillance system in a matter of minutes
▶ Real-time 4CIF recording on every channel
▶ RAID-4 protection against a single hard disk failure
▶ Software development kit and technical support for third-party integration

Dibos Hybrid Recorder 900 Series for customized security

VRM and Video Storage Arrays for improved scalability

Customizing your surveillance solution

Maximum control and flexibility

Whether you have only a few cameras for a highly specific task or hundreds of analog and IP cameras covering different locations, you need a flexible recording solution with open interfaces for powerful integration and continuous operation.

The nature of your environment demands extensive storage capacity. You want the performance of the highest level of RAID redundancy and the flexibility to add or remove disks without interrupting surveillance.

Your surveillance system must deliver powerful and advanced flexibility, including extensive bi-directional communications, networking, alarming and system interfacing. You want a comprehensive solution with innovative hybrid capabilities that support analog and IP devices. The recorder must integrate easily with other systems such as Bosch access control solutions, alarm panels, ATMs and point-of-sale terminals.

And, you need to monitor all of your cameras from any location – be it a centralized security office or at surveillance stations in each building.

The Bosch Video Recording Manager (VRM) combined with Bosch iSCSI Video Storage Arrays is your ideal solution. It allows you to manage every detail of your system and enables you to add storage easily as your system grows.

The redundancy and automatic fail-safe capabilities of Bosch VRM coupled with the iSCSI Arrays deliver unmatched reliability and performance. If a storage array fails, VRM immediately redirects camera traffic to a standby array. During a network outage, embedded automatic network replenishment ensures video data is preserved safely on local storage and automatically uploaded when the network is restored.

DiBos Hybrid Recorder 900 Series

- ▶ Professional video management solution for extensive enterprise systems
- ▶ Highly flexible solution tailored to your specific needs
- ▶ Easy integration with other systems using Bosch software development kit
- ▶ Available as a software network recorder for IP systems with up to 32 cameras

Bosch VRM and Video Storage Arrays

- ▶ Exceptional scalability and centralized management
- ▶ Detailed control of each video stream
- ▶ Network-based recording even during temporary outages
- ▶ NetApp RAID-DP technology for enhanced data protection

Type	400 Series	600 series
Number of analog camera inputs	Max 4	Max 16
Number of MPEG-4 IP cameras	N.A.	N.A.
Number of H.264 IP cameras	N.A.	N.A.
Megapixel camera support	N.A.	N.A.
Video compression	H.264	MPEG-4
Maximum frames at 4CIF/D1	NTSC: 30, PAL:25	NTSC: 120, PAL: 100
Third party dome control	Yes	Yes
ATM/POS integration	No	No
Software Development Kit (SDK)	No	No
Audio output	1	1
Maximum Audio input	4	8
Web browser access	Yes	Yes

	400 Series	600 series
Automatic Network Replenishment	N.A.	N.A.
Maximum recording bandwidth	N.A.	N.A.
Onboard Gigabit Ports	N.A.	N.A.
Dual power supply	N.A.	N.A.
Internal RAID support	N.A.	N.A.
Front replaceable hard drives	N.A.	N.A.
Maximum number of internal disks	N.A.	N.A.
Internal + External disks	N.A.	N.A.
External storage support	N.A.	N.A.

700 series	900 series	VRM and Video Storage Arrays
Max 16	Max 30	No, use encoders
No	Max 32	Max 2000 in total per VRM
Max 32	No	Max 2000 in total per VRM
No	Yes	No
H.264	MPEG-4	H.264, MPEG-4
NTSC: 960, PAL: 800	NTSC: 150, PAL:125	1600 (PAL) 1920 (NTSC) per array
Yes	Yes	Handled by client software
Yes	Yes	No
Yes	Yes	Yes
4	1	N.A.
16	4	N.A.
No	Yes	Yes

700 series	900 series	VRM and Video Storage Arrays
No	No	Yes
72 Mbit/s	50 Mbit/s	400 Mbit/s per array
Max 2	No	Max 4 per array
No	No	Yes
Yes	No	Yes
Yes	No	Yes
4	2	14
Unlimited	4 + 2 SCSI arrays	96 (40 arrays per VRM)
Yes	Yes	Yes

Capture the details

High quality video is the key to image usability. Our sophisticated sensors, lenses and processing circuitry reproduce what your eye sees. Powerful image processing captures crucial details in challenging lighting conditions. Our complete camera portfolio complements our video recording solutions, delivering everything you need for your security surveillance system.

Analog cameras

Our Dinion and FlexiDome analog cameras, as well as the affordable WZ Series of day/night cameras, are the best match for our Video Recorder 400 Series and 600 Series. For the Hybrid Recorder 700 Series, our Dinion and FlexiDome 2X cameras deliver outstanding image quality.

IP cameras

Our broad range of IP cameras delivers the best image quality combined with easy set up and control. Our Dinion and FlexiDome 2X IP cameras are the recommended match for the Network Recorder 700 Series.

VIP encoders

Add network connection and Intelligent Video Analysis functionality to analog surveillance systems.
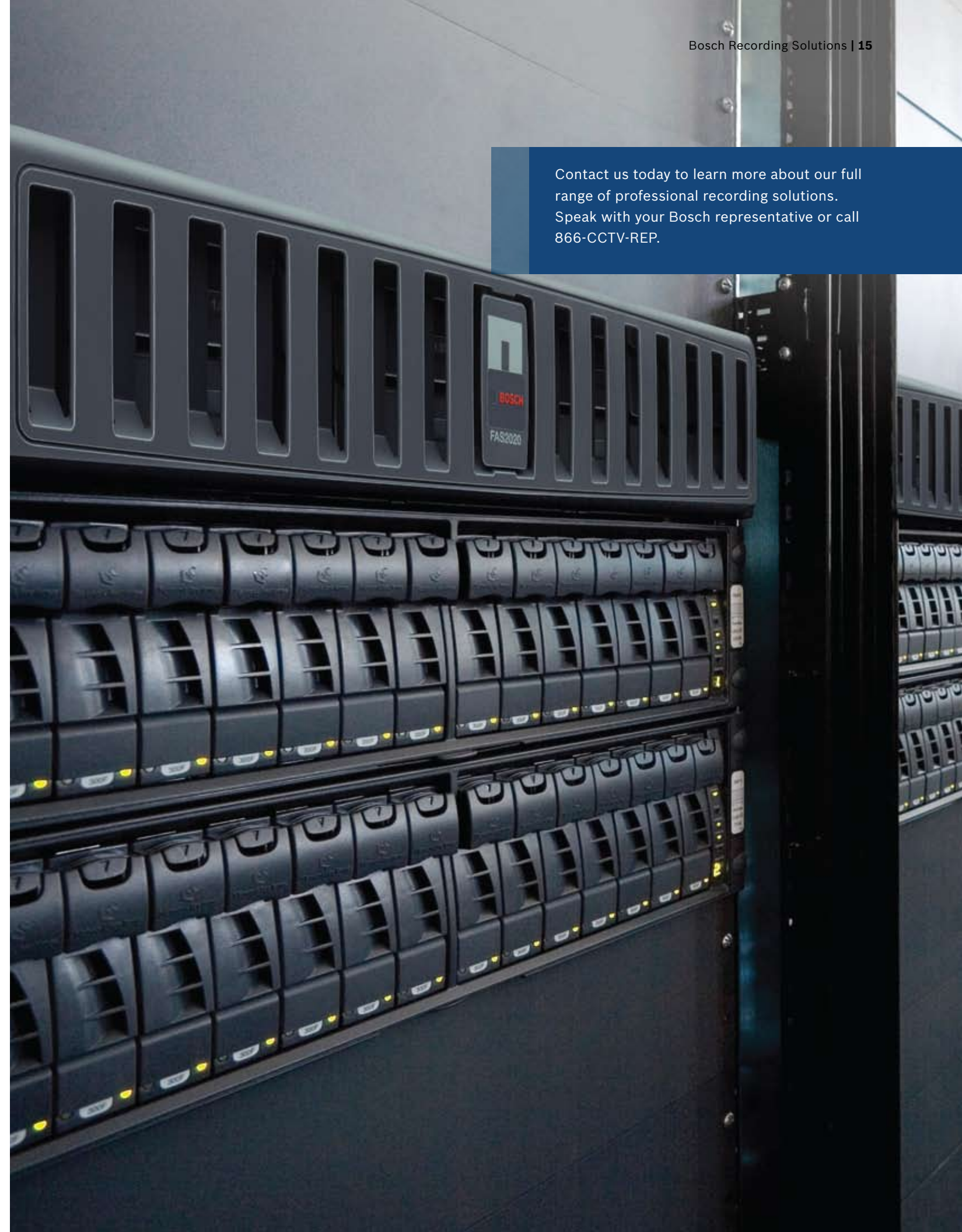
AutoDome Modular Cameras

A comprehensive range of analog and IP AutoDome pan-tilt-zoom domes adapt to your changing security needs and offer indoor and outdoor application flexibility.

Extreme Series

Infrared and white light illumination is the perfect approach to improve night-time images from Bosch cameras. Our MIC Series of pan-tilt-zoom cameras work with any of our recorders and make a best-fit solution for virtually any application.

Contact us today to learn more about our full range of professional recording solutions. Speak with your Bosch representative or call 866-CCTV-REP.

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.