DIVAR IP 3000

www.boschsecurity.com

BOSCH
Invented for life

iSCSI

- ▶ All-in-one, fully featured video management solution for up to 32 channels
- ▶ Out-of-the-box IP video recording solution with up to 8 TB (4 x 2 TB) storage capacity pre-installed
- ▶ Robust, secure operation — instant real time access to video
- ▶ Instantly find what you are looking for
- ▶ Advanced user and alarm management

The DIVAR IP 3000 appliance is an affordable and easy to use all-in-one recording, viewing, and management solution for network surveillance systems of up to 32 channels (all channels pre-licensed).
Running the full Bosch Video Management System solution and powered by
Bosch Video Recording Manager including the Video Streaming Gateway to integrate 3rd party cameras, it is an intelligent IP storage device that eliminates the need for separate NVR (Network Video Recorder) server and storage hardware. Thus, reducing the total cost of ownership by as much as 45% and providing both, a professional video management system solution and ease of operation.
DIVAR IP 3000 is a 4-bay mini tower unit that combines advanced management and state-of-the-art recording management into a single cost-effective, plug and play IP recording appliance for IT-minded customers which are seeking for a state-of-the-art "second generation" DVR and NVR recording solution.

System overview

The DIVAR IP 3000 appliance utilizes a highly energy efficient, embedded design at a very affordable price which nevertheless boasts Bosch quality through-and-through.
Easy to install and operate, the system features wizard-based set-up and centralized configuration to reduce installation times by as much as 45%. All components are pre-installed and pre-licensed. Simply connect to the network and power the unit up — DIVAR IP is ready to begin recording straight out of the box.
Bosch Video Management System manages all IP and digital video and audio, plus all the security data being transmitted across your IP network. It seamlessly combines IP cameras and encoders, provides system-wide event and alarm management, system health monitoring, user and priority management.

Functions

DIVAR IP 3000 features front-swappable SATA-II hard drives providing up to 8 TB of gross storage capacity. All system software is pre-installed and pre-activated —

creating an out-of-the-box ready-to-use video management appliance. DIVAR IP 3000 utilizes Microsoft Windows Storage Server 2008 R2 (64-bit).

Instant real time access to video
View high quality HD video despite low or limited bandwidth connections. Dynamic Transcoding technology ensures you can view your video immediately — anytime, anywhere.
Dynamic Transcoding retrieves the data from the DIVAR IP system and subsequently decodes and decompresses the data stream to a lower rate bit stream tailored to the bandwidth of the connection. When the video is paused, the instant detail enhancement feature instantly displays the full HD video.

Management
Once booted up the system will offer immediate access to the Bosch VMS management application via a customized GUI. The ability to use one central GUI for configuration and operation management reduces installation and training requirements, and helps keep ongoing system management costs low.

Remote viewing
For remote viewing of a single DIVAR IP system, Bosch VMS Operator Client is included. For multiple systems, add them to Bosch VMS Enterprise Management Server.
Alternatively, use Video Client for viewing video or as entry-level video management solution without the need of additional licenses.

Bosch quality
Bosch subjects all its products to the most comprehensive and rigorous battery of quality endurance tests in the industry. Our recording products are subjected to extreme temperatures, voltages and vibrations to determine reliable operating limits, so you can be assured of long-term reliable operation. And Bosch firmly stands behind every product it sells with an end-to-end 3 year warranty backed by technical support.

Certifications and approvals

Region	Certification	
Europe	CE	DIVAR IP 3000
USA	UL	DIVAR IP 2000/3000

Installation/configuration notes

DIVAR IP 3000 comes pre-configured in a standard non-RAID configuration and provides the following specifications:

Gross capacity	Net capacity	Bandwidth (read & write)	Cameras
w/o HDD	n/a	120 Mbit/s	32
2 x 2 TB	3600 GB	120 Mbit/s	32
4 x 2 TB	7300 GB	120 Mbit/s	32

These values refer to the system with all supported Bosch CCTV applications installed and running; net capacity for a non-RAID configuration; 32 connected cameras indicate the number of concurrent recordable cameras including the connected replay clients. Storage may be increased by adding up to two DIVAR IP 2000 or DIVAR IP 5000 units as expansion. The DIVAR IP 3000 appliance allows a maximum of overall 32 channels: recording and replay clients. The system is re-configurable to a RAID-1 configuration with reduced performance and net capacity values.

Pre-installed licenses
For the standard systems please note the number of pre-installed licenses and the upper limit of each:

	Pre-installed lincenses	Upper limit
Workstation clients	5	5
DVR/BRS systems	1	5
CCTV keyboards	1	5
Forensic Search clients	5	5
Mobile video service	1	1
Intrusion Panels	0	5
ATM/POS data	enabled	-

For further information, under **Ordering information** see **Software Options**.

Performance values

	Number of concurrent live views	Number of concurrent playback views
VGA/2CIF 25 fps balanced	20	7
720p 30 fps balanced	9	2
1080p 30 fps balanced	4	1
5MP 12 fps balanced	4	1
4K 3840x2160 balanced	1	1

These values were measured with Bosch VMS Operator Client version 5.0.5 running locally on the DIVAR IP system. Performance values of remote workstations differ significantly. Video decoding behavior may be changed in future versions of Bosch VMS Operator Client.

ℹ️ **Notice**
Bosch is not liable for system failures of units equipped with third-party hard drives if the third-party hard drives are source of the issues.

Parts included

Processor

Processor	Intel i3-2120 processor
Socket	1 x (Intel processor socket LGA1155)
Chipset	Intel Core logic chipset PCH Cougar Point C206

Memory

Memory type	DDR3 1066/1333 MHz UDIMM
Max front side bus	1333 MHz
Memory installed	4 GB, DDR3-1333 SO-DIMM (2 x 2 GB)

Storage

Storage type	4 trays: 3.5-inch SATA
Hard drives installed	4 x HDD (2 TB 5400RPM GP) max
Graphics	1 x USB DVI port, onboard graphics VGA port
Network	1 x 1 GbE RJ45 port

System status

DIVAR IP 3000/7000 family comes fully loaded and fully functional with Microsoft Operating System and Bosch application pre-installed: Windows Storage Server 2008 R2, 64-bit; Bosch Video Management System; Bosch Video Recording Manager including Video Streaming Gateway; Dynamic Transcoding.

ℹ️ **Notice**
The system requires mouse and keyboard for setup and operation. These components are not included.

Technical specifications

Electrical

Power supply	220 W (100/240 VAC)
Energy efficiency	Energy Star compliant power supply
Power consumption (w/o hard drives)	82 W max 41 W idle
Power consumption (4 hard drives operating)	114 W approx

Mechanical

Form factor	4-bay mini tower
Power supply	1 x internal power supply
USB ports	4 x USB 2.0, 1 x USB 3.0 port
Network	1 x Gigabit Ethernet LAN
Dimensions (H x W x D)	180 x 200 x 212 mm (7.09 x 7.87 x 8.35 in)
Weight	w/o HDD: 4.65 kg (10.25 lb) fully loaded: 7.35 kg (16.20 lb)

Environmental

Operating temperature	+10 ℃ to +35 ℃ (+50 ℉ to +95 ℉)
Non-operating temperature	-40 ℃ to +70 ℃ (-40 ℉ to +158 ℉)
Operating relative humidity	8 to 90% (non-condensing)
Non-operating relative humidity	5 to 95% (non-condensing)

Additional information
Video clips for guided setup and configuration are available on the Security Systems Video Portal. http://video.boschsecurity.us/category/digital-recording/26

Ordering information

DIVAR IP 3000, 2 x 2 TB HDD
All-in-one recording, viewing, and management solution for network surveillance systems of up to 32 channels, 2 x 2 TB storage capacity
Order number **DIP-3042-2HD**

DIVAR IP 3000, 4 x 2 TB HDD
All-in-one recording, viewing, and management solution for network surveillance systems of up to 32 channels, 4 x 2 TB storage capacity
Order number **DIP-3042-4HD**

DIVAR IP 3000, w/o HDD
All-in-one recording, viewing, and management solution for network surveillance systems of up to 32 channels, w/o HDD
Order number **DIP-3040-00N**

Accessories

DIVAR IP 2000/3000 Storage Expansion 2 TB
2 TB HDD
Order number **DIP-2302-HDD**

DVR-XS400-A Storage Expansion Kit
Storage expansion kit. 4 TB
Order number **DVR-XS400-A**

KBD-Universal XF
USB CCTV-oriented keyboard for use with Bosch Video Management System, BIS - Video Engine, or DIVAR IP systems.
Order number **KBD-UXF**

Software Options

DIVAR IP DVR Expansion
1 DVR expansion
Order number **MBV-XDVR-DIP**

DIVAR IP CCTV Keyboard Expansion
1 keyboard expansion
Order number **MBV-XKBD-DIP**

DIVAR IP Intrusion Panel Expansion
1 intrusion panel expansion
Order number **MBV-XINT-DIP**

DIVAR IP Allegiant Matrix Connection
Allegiant license
Order number **MBV-FALG-DIP**

DIVAR IP OPC Server Connection for BIS
OPC server license
Order number **MBV-FOPC-DIP**