

# DIVAR IP 3000

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Invented for life



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 3<sup>rd</sup> party cameras, DIVAR IP 3000 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.



- ▶ 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
- ▶ Robust, secure operation – instant real time access to video
- ▶ Instantly find what you are looking for
- ▶ Advanced user and alarm management

## 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, DIVAR IP 3000 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 3000 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 DIVAR IP 3000 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 Video Management System management application via a customized GUI. The ability to use one central GUI for configuration and operations management reduces installation and training requirements, and helps keep ongoing system management costs low.

### 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 true 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 2000/3000
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 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. For the standard systems please note the number of pre-installed licenses and the upper limit of each:

	Pre-installed licenses	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

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



#### Notice

Mobile video service is used in combination with the built-in hardware transcoder. Software transcoding is not supported.



#### Notice

Bosch is not liable for system failures of units equipped with non-Bosch hard drives if the non-Bosch 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 family comes fully loaded and fully functional with Microsoft Operating System and Bosch application pre-installed: Windows Server 2008 R2, 64-bit; Bosch Video Management System; Bosch Video Recording Manager including Video Streaming Gateway; Dynamic Transcoding.

**Notice**

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

## ONVIF support restrictions

Event-based recording is not supported

Audio on some 3<sup>rd</sup> party cameras is not fully supported, which may result in non-availability of audio streams

TCP is not supported for ONVIF cameras but with UDP protocol only

Motion JPEG is not supported

VCA is always recorded for Bosch devices

VCA is not available for ONVIF cameras

**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
Mechanical	
Form factor	4-bay mini tower
Power supply	1 x internal power supply
USB ports	6 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 °C to +35 °C (+50 °F to +95 °F)
Non-operating temperature	-40 °C to +70 °C (-40 °F to +158 °F)
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**

**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 Allegiant Matrix Connection**

Allegiant license  
Order number **MBV-FALG-DIP**

**DIVAR IP ATM/POS Connection**

ATM/POS license  
Order number **MBV-FATM-DIP**

**DIVAR IP OPC Server Connection for BIS**

OPC server license  
Order number **MBV-FOPC-DIP**

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