BOSCH

DIVAR IP all-in-one 5000

- ▶ All-in-one, fully featured video recording and management solution for up to 42 channels
- ▶ Out-of-the-box IP video recording with up to 48 TB (4 x 12 TB) storage capacity pre-installed
- ▶ Robust, secure operation — instant real time access to video
- ▶ Advanced user and alarm management
- ▶ 3 years hardware warranty, including parts replacement within 3 business days services

The DIVAR IP all-in-one 5000 appliance is an affordable and easy to use all-in-one recording, viewing, and management solution for network surveillance systems of up to 42 channels (with 8 channels pre-licensed).
Running the full BVMS solution and powered by Bosch Video Recording Manager including the Video Streaming Gateway to integrate third-party cameras, it is an intelligent IP video management and storage device.
DIVAR IP all-in-one 5000 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.

System overview

The DIVAR IP all-in-one 5000 appliance utilizes a highly energy efficient, embedded design which boasts Bosch quality through-and-through.
Easy to install and operate, the system features wizard-based set-up and centralized configuration. All components are pre-installed and pre-licensed. Simply connect to the network and power the unit up - DIVAR IP all-in-one is ready to begin recording straight out of the box.
BVMS 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 all-in-one 5000 features front-swappable SATA hard drives providing up to 48 TB of gross storage capacity. All system software is pre-installed — creating an out-of-the-box ready-to-use video management appliance. DIVAR IP all-in-one 5000 utilizes Microsoft Windows Storage Server 2016 (64-bit).

Instant real time access to video
View high quality HD or even UHD video despite low or limited bandwidth connections.
Dynamic Transcoding technology ensures you can view your video immediately — anytime, anywhere. Dynamic Transcoding decodes and re-encodes 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 resolution video.

Management
Once booted up the system will offer immediate access to the BVMS 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 all-in-one system, BVMS Operator Client is included. For multiple systems, add them to BVMS Enterprise Management Server.

Alternatively, use Video Security App for remote viewing from mobile devices.

Certifications and approvals

Region	Regulatory compliance/quality marks	
Europe	CE	DIVAR IP all-in-one 5000

Installation/configuration notes

System status
DIVAR IP all-in-one 5000 comes fully loaded and fully functional with Microsoft Operating System and Bosch applications:
Windows Storage Server 2016, 64-bit;
BVMS;
Video Recording Manager including
Video Streaming Gateway;
Dynamic Transcoding.

Configuration
DIVAR IP all-in-one 5000 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	170 Mbit/s	42
4 x 4 TB	14896 GB	170 Mbit/s	42
4 x 8 TB	29792 GB	170 Mbit/s	42
4 x 12 TB	44688 GB	170 Mbit/s	42

These values refer to the system with all supported Bosch CCTV applications installed and running; net capacity for a non-RAID configuration; 42 connected cameras indicate the number of concurrent recordable cameras including the connected replay clients.

Operation modes
DIVAR IP all-in-one 5000 can operate in three different modes:
- Full video recording and management system, utilizing the BVMS and Video Recording Manager core components and services. This mode allows for advanced video management features such as event and alarm handling. A base license with 8 included camera channels is already pre-licensed. You can expand the system up to 32 channels with a MBV-BLIT-DIP license and further up to 42 channels with additional 1-channel licenses. The recorded video streams need to be configured in a way that the maximum bandwidth of the system (BVMS/Video Recording Manager base system plus iSCSI storage expansions) is not exceeded.

- Pure video recording system, utilizing the Video Recording Manager core components and services. In this mode 32 Video Recording Manager camera-recording channels are already pre-licensed. You can expand the system up to 42 channels. The recorded video streams need to be configured in a way that the maximum bandwidth of the system (BVMS/Video Recording Manager base system plus iSCSI storage expansions) is not exceeded.
- iSCSI storage expansion for a BVMS or Video Recording Manager system, which runs on a different hardware. Up to two of these iSCSI storage expansions can be added to a BVMS or Video Recording Manager system running on a DIVAR IP all-in-one 5000.

License limitations
For the BVMS licenses applied on DIVAR IP all-in-one 5000, please note the upper limit of each:

License type	Pre-licensed	Upper limit
Workstation clients	2	5
DVR/BRS systems	1	10
CCTV keyboards	2	5
Mobile Video Service	1*	1*
Intrusion Panels	1	5

*Mobile Video Service needs to run on separate hardware

For further details, see the BVMS documentation.

ⓘ **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.

ⓘ **Notice**

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

(i) Notice
Hardware warranty
The parts replacement within 3 business days service level can only be provided if the respective system has been registered immediately after receipt and installation. Otherwise, service will be provided based on best effort basis. Information about registration details is available in every shipment (registration form) or from the Bosch online product catalog. This service level cannot be provided in every country everywhere. For limitations and exceptions see the registration details in the registration form.

(i) Notice
Software maintenance
Maintenance of software components is not included in this product.
A separate maintenance agreement needs to be purchased, in order to receive updates and technical support for the installed software.

Technical specifications

Electrical

Power supply	250 W Flex ATX Multi-output Bronze Power Supply 100 / 240 VAC, 50 / 60 Hz

Mechanical

Form factor	4-bay mini tower
USB ports	2 x USB 2.0 (front) 2 x USB 3.1 (rear) 2 x USB-C (rear)
Network ports	2 x RJ45 Gigabit Ethernet LAN
Dimensions (H x W x D)	240 x 210 x 279 mm (9.45 x 8.27 x 11 in)
Gross weight	6.8 kg (15 lb)

Environmental

Operating temperature	+0 °C to +40 °C (+32 °F to +104 °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)

Processor

Processor	Intel i3-8100 processor
Socket	1 x (Intel processor socket LGA1151)

Processor

Chipset	Intel Q370

Memory

Memory type	DDR SO-DIMM
Memory installed	8 GB SO-DIMM

Storage

Storage type	4 trays: 3.5-inch SATA
Hard drives installed	DIP-5244IG-4HD and DIP-5244GP-4HD: 4 x HDD (4 TB) DIP-5248IG-4HD and DIP-5248GP-4HD: 4 x HDD (8 TB) DIP-524CIG-4HD and DIP-524CGP-4HD: 4 x HDD (12 TB) DIP-5240IG-00N and DIP-5240GP-00N: none (optionally 4 TB/8 TB/12 TB HDD)

Graphics

GPU version	Nvidia Quadro P620 or successor 4 x Mini-DisplayPort
Onboard graphics version	Intel UHD-Grafik 630 1 x DVI 1 x DisplayPort 1 x HDMI

Audio

Type	ALC 888S HD Audio
Audio input	line-in
Audio output	line-out

Security technology

Type	Trusted Platform Module 2.0

Ordering information

DIP-5244IG-4HD Management Appliance 4x4TB
All-in-one recording, viewing and management solution for network surveillance systems.
With onboard graphics and 4 x 4 TB storage capacity.
Order number **DIP-5244IG-4HD | F.01U.362.424**

EWE-S5248IG-IW DIP-5248IG-4HD SRV Ext. 12 Mths IW
12-month hardware service extension for DIP-5248IG-4HD, for parts replacement within 3 business days, available for a 4th or a 4th and 5th year as a standard.
Order number **EWE-S5248IG-IW | F.01U.380.536**

DIP-5248IG-4HD Management Appliance 4x8TB
All-in-one recording, viewing and management solution for network surveillance systems.
With onboard graphics and 4 x 8 TB storage capacity.
Order number **DIP-5248IG-4HD | F.01U.362.423**

EWE-S5244IG-IW DIP-5244IG-4HD SRV Ext. 12 Mths IW
12-month hardware service extension for DIP-5244IG-4HD, for parts replacement within 3 business days, available for a 4th or a 4th and 5th year as a standard.
Order number **EWE-S5244IG-IW | F.01U.380.535**

DIP-524CIG-4HD Management Appliance 4x12TB
All-in-one recording, viewing and management solution for network surveillance systems.
With onboard graphics and 4 x 12 TB storage capacity.
Order number **DIP-524CIG-4HD | F.01U.362.422**

EWE-S524CIG-IW DIP-524CIG-4HD SRV Ext. 12 Mths IW
12-month hardware service extension for DIP-524CIG-4HD, for parts replacement within 3 business days, available for a 4th or a 4th and 5th year as a standard.
Order number **EWE-S524CIG-IW | F.01U.380.537**

DIP-5240IG-00N Management Appliance w/o HDD
All-in-one recording, viewing and management solution for network surveillance systems.
With onboard graphics and without HDD.
Order number **DIP-5240IG-00N | F.01U.361.821**

EWE-S5240IG-IW DIP-5240IG-00N SRV Ext. 12 Mths IW
12-month hardware service extension for DIP-5240IG-00N, for parts replacement within 3 business days, available for a 4th or a 4th and 5th year as a standard.
Order number **EWE-S5240IG-IW | F.01U.380.534**

DIP-5244GP-4HD Management Appliance GPU 4x4TB
All-in-one recording, viewing and management solution for network surveillance systems.
With graphics card and 4 x 4 TB storage capacity.
Order number **DIP-5244GP-4HD | F.01U.359.552**

EWE-S5244GP-IW DIP-5244GP-4HD SRV Ext. 12 Mths IW
12-month hardware service extension for DIP-5244GP-4HD, for parts replacement within 3 business days, available for a 4th or a 4th and 5th year as a standard.
Order number **EWE-S5244GP-IW | F.01U.380.531**

DIP-5248GP-4HD Management Appliance GPU 4x8TB
All-in-one recording, viewing and management solution for network surveillance systems.
With graphics card and 4 x 8 TB storage capacity.
Order number **DIP-5248GP-4HD | F.01U.359.553**

EWE-S5248GP-IW DIP-5248GP-4HD SRV Ext. 12 Mths IW
12-month hardware service extension for DIP-5248GP-4HD, for parts replacement within 3 business days, available for a 4th or a 4th and 5th year as a standard.
Order number **EWE-S5248GP-IW | F.01U.380.532**

DIP-524CGP-4HD Management Appliance GP 4x12TB
All-in-one recording, viewing and management solution for network surveillance systems.
With graphics card and 4 x 12 TB storage capacity.
Order number **DIP-524CGP-4HD | F.01U.359.554**

EWE-S524CGP-IW DIP-524CGP-4HD SRV Ext. 12 Mths IW
12-month hardware service extension for DIP-524CGP-4HD, for parts replacement within 3 business days, available for a 4th or a 4th and 5th year as a standard.
Order number **EWE-S524CGP-IW | F.01U.380.533**

DIP-5240GP-00N Management Appliance GPU wo HD
All-in-one recording, viewing and management solution for network surveillance systems.
With graphics card and without HDD.
Order number **DIP-5240GP-00N | F.01U.359.551**

EWE-S5240GP-IW DIP-5240GP-00N SRV Ext. 12 Mths IW
12-month hardware service extension for DIP-5240GP-00N, for parts replacement within 3 business days, available for a 4th or a 4th and 5th year as a standard.
Order number **EWE-S5240GP-IW | F.01U.380.530**

Accessories

DIP-AIO4-HDD 4TB HDD DIVAR IP all-in-one
Hard disk storage expansion for DIVAR IP all-in-one appliances with a capacity of 4 TB.
Order number **DIP-AIO4-HDD | F.01U.362.421**

DIP-AIO8-HDD 8TB HDD DIVAR IP all-in-one
Hard disk storage expansion for DIVAR IP all-in-one appliances with a capacity of 8 TB.
Order number **DIP-AIO8-HDD | F.01U.362.420**

DIP-AIO12-HDD 12TB HDD DIVAR IP all-in-one
Hard disk storage expansion for DIVAR IP all-in-one appliances with a capacity of 12 TB.
Order number **DIP-AIO12-HDD | F.01U.362.419**

KBD-UXF Keyboard, USB CCTV-oriented
USB CCTV-oriented keyboard for use with BVMS, BIS - Video Engine, or DIVAR IP systems.
Order number **KBD-UXF | F.01U.279.328**