

# DVS 2500

SEDOR® Video Analysis Server Appliance for up to 24× Analysis and 24× Recording (IP Channels)



SEDOR® is a high-performance and self-learning video analysis system which provides outstanding analytical results due to state-of-the-art image analysis algorithms and the constant adjustment of the system parameters to the current surrounding conditions (auto-adaptation). If used together with the different **analysis applications**, it can serve a variety of surveillance and counting purposes.



The **DVS 2500** is a SEDOR® video analysis server appliance for the analysis of up to 24 IP-based video streams. The dedicated server software **DVS Analysis Server** is installed ex factory and configured with a browser over Ethernet using the integrated **SEDOR® WebGUI**. Together with the optional licenses for the various **SEDOR® analysis applications** up to 24 channels can be used for video analysis according to demand.

The integrated VideoIP server software **SMAVIA Recording Server** can be used for the storage and playback of up to 24 IP-based audio and video streams. The corresponding software **SMAVIA Viewing Client** for Windows operating systems allows for an independent and convenient evaluation of the recordings via Ethernet (LAN/WAN).

## Features DVS Analysis Server

- Supports up to 24 analysis channels
- Licenses for analysis optional
- Supports Dallmeier network cameras
- SEDOR® analysis application Art optional
- SEDOR® analysis application Intruder optional
- SEDOR® WebGUI for the analysis configuration over Ethernet integrated
- Resolution SD (up to D1) and HD (up to 1080p)
- Ethernet I/O Interface optional

## Features SMAVIA Recording Server

- Supports up to 24 recording channels
- Licenses for recording optional
- Basic license for the access of a SMAVIA Viewing Client included
- Free conversion of the basic license to a floating license on acquisition of additional access licenses
- License for the connection to SNMP systems included
- License for the recording of multicast video streams included
- License for real-time recording included
- Recording of 3rd-party IP cameras with motion detection optional<sup>1)</sup>
- Configuration of 3rd-party IP cameras via ONVIF protocol optional<sup>1)</sup>
- PRemote-HD in real-time optional
- Connection to Active Directory via LDAP
- Evaluation with SMAVIA Viewing Client or SeMSy® via Ethernet

Appliance	
004440	<b>DVS 2500</b> SEDOR® video analysis server appliance for up to 24× analysis and 24× recording (IP channels), without recording and analysis licenses, without HDDs

1) Note the white paper **SMAVIA & 3rd Party IP Cameras**. DVS 2500 version 8.8.3 is equivalent to DMS 2400 version 8.1.3.

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## Integrated Licenses

### DLC - 1 Basic Client Access

License for the access of a SMAVIA Viewing Client to a SMAVIA Recording Server (basic license)

### DCP - DVS Software Maintenance 12 Months

License for the update of the DVS Analysis Server software for 12 months

### DLC - SNMP

License for the integration into a central SNMP device management system

### DLC - Multicast Recording

License for recording the video streams of Dallmeier IP cameras transmitting over multicast

### DLC - Real-Time Recording

License for real-time recording for all IP channels (depends on the camera)

## Optional Licenses DVS Analysis Server

### 004247 DLC - 1 Analysis Channel SEDOR® Art

License for the simultaneous use of the applications SEDOR® Art and SEDOR® Camera Sabotage Protection for one channel

### 004248 DLC - 1 Analysis Channel SEDOR® Intruder

License for the simultaneous use of the applications SEDOR® Intruder and SEDOR® Camera Sabotage Protection for one channel

### 004210 DLC - 1 Analysis Channel SEDOR® Camera Sabotage Protection

License for the detailed configuration, detection and reporting of covering, defocusing and twisting of the camera for one channel

### 000595 DLC - SEDOR® Event Matrix

License for the use of the software interface for the connection of Ethernet I/O Interfaces

## Optional Licenses SMAVIA Recording Server

### 003782 DLC - 1 Additional Client Access

License for the simultaneous access of a further SMAVIA Viewing Client on SMAVIA Recording Server (floating license)

### 004068 DLC - 5 Additional Client Access

License for the simultaneous access of five further SMAVIA Viewing Clients on SMAVIA Recording Server (floating license)

### 004069 DLC - 10+ Additional Client Access (Unlimited)

License for the simultaneous access of an unlimited number of SMAVIA Viewing Clients on SMAVIA Recording Server, depending on system load and bandwidth (floating license)

### 003783 DLC - 1 Additional Recording Channel

License for the use of 1 additional channel for recording with SMAVIA Recording Server

### 003784 DLC - 2 Additional Recording Channel

### 003785 DLC - 4 Additional Recording Channel

### 003786 DLC - 8 Additional Recording Channel

### 004079 DLC - 12 Additional Recording Channel

### 004080 DLC - 16 Additional Recording Channel

### 004412 DLC - 3rd Party Package for 1 IP Channel

License for recording (constant or with motion detection<sup>2)</sup>) the video stream of third-party IP cameras, for one IP channel

### 004413 DLC - 3rd Party Package for 2 IP Channels

### 004414 DLC - 3rd Party Package for 4 IP Channels

### 004415 DLC - 3rd Party Package for 8 IP Channels

### 004416 DLC - 3rd Party Package for 12 IP Channels

### 004417 DLC - 3rd Party Package for 16 IP Channels

### 004418 DLC - 3rd Party Package for 24 IP Channels

### 003801 DLC - PRemote-HD

License for the transmission of SD and HD video at low bandwidth, including a dedicated access license<sup>3)</sup> and the function for bidirectional audio transmission (intercom) via LAN/WAN

### 005142 DLC - Ethernet I/O Interface for SMAVIA<sup>4)</sup>

License for the use of the software interface for the connection of Ethernet I/O interfaces

2) Note the white paper SMAVIA & 3rd Party IP Cameras, as well as tables "Recording" and "Functions" on page 4. DVS 2500 version 8.8.3 is equivalent to DMS 2400 version 8.1.3.

3) The first PRemote client (master) is assigned active control over the PRemote stream; further PRemote clients (slaves) receive the stream passively.

4) The current version supports the connection of the interfaces MOXA ioLogik E1210 (16 contacts) and MOXA ioLogik E1214 (6 contacts, 6 relays).

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## Optional Hardware

**005763** **HDD Kit 1000 GB, SATA, 2.5" (for HP DL385p G8), incl. Tray**  
Hard disk drive 1000 GB for DVS Analysis Server Hardware (HP ProLiant DL385p G8), mounted on HDD tray

**001739** **Remote Ethernet I/O Interface<sup>5)</sup>**  
Ethernet I/O Interface, 2× Ethernet, 6× relay (Moxa E1214)



## Maintenance and Warranty

**004193** **DCP - DVS Software Maintenance 12 Months**  
License for the update of the DVS Analysis Server software for further 12 months

5) License 000595 required.

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## Specifications DVS Analysis Server Software

Software	
Operating system	Linux (proprietary, hardened), included in installation
External configuration software	SEDOR® WebGUI via Ethernet
Language	English, German (others on request)
Max. No. analysis channels	24× IP-based video channels
Supported cameras	Dallmeier IP cameras

Licenses Applications	
SEDOR® Intruder	optional
SEDOR® Art	optional

Licenses Functions	
SEDOR® Camera Sabotage Protection	optional
SEDOR® Event Matrix	optional

## Specifications DVS Analysis Server Hardware

Hardware	
Device	DVS Analysis Server hardware (HP ProLiant DL385p G8)
Typ	Server
Mounting type	Rack-mount

Drives	
Max. No. hard disk drives	Up to 8×
Included hard disk drives	2× HDD 2,5", 500 GB, SATA
Optical drive	1× HP Slimline DVD-ROM, SATA
RAID	Automatic or RAID 0, 1, 10, 5 manual

Electrical Data	
Voltage supply	120/230 VAC, 50/60 Hz
Power consumption	Max. 750 W
Thermal output	Max. 2560 BTU/h

Mechanical Data	
Dimensions (W × H × D)	Approx. 445 × 87 × 750 mm (17.5" × 3.4" × 29.5")
Height units	2 HU
Weight	Approx. 20 kg (44.1 lb; with 2× HDDs) Up to approx. 27 kg (59.5 lb; depending on the number of HDDs)

Ambient Data	
Temperature	+10°C up to +35°C (50°F – 95°F)
Humidity	10 – 90% RH, non-condensing

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## Spezifikationen SMAVIA Recording Server

Software	
Operating system	Linux (proprietary, hardened)
Application	SMAVIA Recording Server
Application language	English, German, French, Spanish, Italian (others on request)
External management software	SMAVIA Viewing Client, SeMSy® III DMVC App (optional, license for PRemote-HD 003801 required)
External configuration software	PService

Performance	
Channels	Up to 24× IP-based video channels
Supported cameras	Dallmeier IP cameras via TCP / DaVid Protocol (Dallmeier Video Protocol) 3 <sup>rd</sup> -party IP cameras with RTSP streaming via UDP / RTP <sup>6)</sup>
Track mode	Automatic
Video / audio compression	H.264 / G.722.1
Resolutions SD IP	QCIF (176 × 144), CIF (352 × 288), Half D1 (352 × 576), 2CIF (704 × 288), 4CIF (704 × 576), D1 (720 × 576)
Resolutions HD IP	720p (1280 × 720), SXGA (1280 × 960), 2MP (1600 × 1200) 1080i (1920 × 1080), 1080p (1920 × 1080)
Resolutions megapixel	3MP (2048 × 1536), 4MP (2336 × 1744), 5MP (2592 × 1944), up to 8MP
Frame rate per SD IP channel	6,25 / 12,5 / 25fps
Frame rate per HD IP channel	6,25 / 12,5 / 25fps
Frame rate per RTSP IP channel	Up to 25fps
Max. total bit rate	Up to 120Mbps
Bit rate per SD IP channel	Up to 4Mbps
Bit rate per HD IP channel	Up to 6Mbps
Bit rate per RTSP IP channel	Up to 6Mbps

Features	
Motion detection	Integrated
SmartFinder	Integrated
Audio for all channels	Integrated (depending on the camera)
DMVC Server	Integrated (PRemote-HD license 003801 required)

Recording <sup>7)</sup>	3 <sup>rd</sup> Party IP-Kamera	Dallmeier IP Camera
Transport protocol	RTP over UDP	TCP
Communications protocol	RTSP	DaVid
Recording control with timer	integrated	integrated
Recording mode Constant	integrated	integrated
Recording mode Contact	in preparation	integrated
Recording mode Motion	integrated	integrated
Recording mode Motion/Contact	in preparation	integrated
Switching recording mode by timer	--	integrated

6) Optional licenses **3rd Party Package** (004412 to 004418) required.  
Note the white paper **SMAVIA & 3rd Party IP Cameras**. DVS 2500 version 8.8.3 is equivalent to DMS 2400 version 8.1.3.  
7) Data refer to a fully equipped appliance. Optional licenses are required.

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Function <sup>8)</sup>	3 <sup>rd</sup> Party IP-Kamera	Dallmeier IP Camera
Motion detection	integrated	integrated
SmartFinder	integrated	integrated
Appliance as video proxy	integrated	integrated
Appliance as multicast streamer	integrated	integrated
PRemote-HD	integrated	integrated
DMVC Server	integrated	integrated
Local PTZ control	in preparation	integrated
PTZ control with SMAVIA Viewing Client	in preparation	integrated
Camera configuration	integrated	integrated
Locking the camera configuration	--	integrated
Audio recording	--	integrated
Recording of multicast video streams	--	integrated
Processing with DVS Analysis Server	in preparation	integrated

8) Data refer to a fully equipped appliance. Optional licenses are required.