

SMAVIA Recording Server

VideolP Recording Server Software for Windows Systems



PANOMERA®



ONVIF

The **SMAVIA Recording Server** is a VideolP server software for the recording of IP based audio and video streams. It is designed for the installation on systems with Microsoft Windows¹⁾ 7/8 operating system and suitable hardware equipment. The basic version with 4 IP based video channels can be expanded by up to 20 further IP based channels using a license code.

The corresponding software **SMAVIA Viewing Client** allows for the independent and comfortable evaluation of the recordings via Ethernet (LAN/WAN). It can be operated on systems with Microsoft Windows 7/8/10 operating system and is included in the **SMAVIA Software Package** scope of delivery together with an access license.

Up to 24 Channels

ONVIF Cameras

SmartFinder

Panomera® Recording

Features

- Licenses for the recording of 4 HD cameras or Panomera® Channels included
- 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 SmartFinder recording included
- License for recording in real-time included
- License for the recording of multicast video streams included
- Video compression H.264, MPEG-4, MJPEG
- Resolution SD (up to D1), HD (up to 1080p), megapixel (up to 8MP)
- Recording of third-party IP cameras with motion detection optional³⁾
- Configuration of third-party IP cameras via ONVIF protocol optional³⁾
- Connection to Active Directory via LDAP supported
- Connection to SeMSy® management system supported
- Remote configuration via Windows Remote Desktop Protocol (RDP)
- Evaluation with SMAVIA Viewing Client or SeMSy® via Ethernet

System Requirements

- Operating system Microsoft Windows 7/8 Professional (32/64 bit)
- CPU Intel²⁾ QuadCore 2.66 GHz (or equivalent)
- Graphics card with chipset Intel GMA 4500 (or equivalent)
- Working memory 2 GB
- 500 MB disk space (installation directory)
- 1000 Mbps Ethernet interface
- Free space of 500 GB at least recommended on separate HDD
- Local hard drives supported
- USB hard drives supported
- Network Attached Storage (NAS) supported
- NTFS file system for recording supported
- Ext4 file system for recording supported

Software

004910	SMAVIA Software Package (Dongle Activation) SMAVIA Recording Server with licenses for 4 channels and SMAVIA Viewing Client on CD, documentation, installation key and dongle included (no online activation required)
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1) Microsoft and Windows are trademarks or registered trademarks of Microsoft Corporation headquartered in Redmond, Washington, USA
 2) Intel is a trademark or registered trademark of Intel Corporation headquartered in Santa Clara, California, USA
 3) Please note the white paper **SMAVIA & 3rd Party IP Cameras**.

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Integrated SMAVIA Recording Server Licenses

DLC - 4 Recording Channels

License for the use of 4 channels for the recording of HD cameras or Panomera® Channels

DLC - 1 Basic Client Access

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

DLC - SmartFinder

License for the use of the intelligent search for recordings with movements in defined areas of the image

DLC - Multicast Recording

License for the recording of video streams of Dallmeier IP cameras using multicast transmission

DLC - Real-Time Recording

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

Optional SMAVIA Recording Server Licenses (Access)

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)

Optional SMAVIA Recording Server Licenses (HD Channels)

003783	DLC - 1 Additional Recording Channel License for the use of one additional channel for the recording of HD cameras or Panomera® Channels
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

Optional SMAVIA Recording Server Licenses (Third-Party Channels)

004412	DLC - 3rd Party Package for 1 IP Channel License for the use of one existing HD channel for the recording (permanent or motion detection ⁴) of third-party IP cameras
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

Optional SMAVIA Recording server Licenses (General)

003810	DLC - SEDOR® Camera Sabotage Protection License for the detection and reporting of covering, defocusing and twisting of cameras for all channels
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4) Please note the white paper SMAVIA & 3rd Party IP Cameras.

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Specifications

System Requirements

General	<p>Operating system Microsoft Windows 7/8 Professional (32/64 bit) CPU Intel QuadCore 2.66 GHz (or equivalent) Graphics card with chipset Intel GMA 4500 (or equivalent, e.g. ATI⁵⁾ 3450 or Nvidia⁶⁾ 8400GS) Working memory 2 GB 500 MB disk space (installation directory) 1000 Mbps Ethernet interface</p>
Recording	<p>Free space of 500 GB at least recommended on separate HDD Local hard drives supported USB hard drives supported Network Attached Storage (NAS) supported NTFS file system for recording supported Ext4 file system for recording supported</p>
Ports	<p>30.000 30.003 30.303 30.304</p>
Software	
Application	SMAVIA Recording Server
Application language	English, German, French, Spanish, Italian (others on request)
External management software	SMAVIA Viewing Client, SeMSy® III
Recording	
Channels	Licenses for 4 channels included, expandable to up to 24 channels
Supported cameras	Dallmeier IP cameras via TCP/DaVid (Dallmeier video protocol) Third-party IP cameras with RTSP streaming over UDP/RTP ⁷⁾
Track mode	Automatic
Video compression	H.264, MPEG-4, MJPEG
Audio compression	MPEG-1 Layer 2
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	3 MP (2048 × 1536), 4 MP (2336 × 1744), 5 MP (2592 × 1944), up to 8 MP
Frame rate per SD IP channel	6.25 / 12.5 / 25 fps
Frame rate per HD IP channel	6.25 / 12.5 / 25 fps
Frame rate per RTSP IP channel	Up to 25 fps
Max. total bit rate	Up to 120 Mbps
Bit rate per SD IP channel	Up to 4 Mbps
Bit rate per HD IP channel	Up to 6 Mbps
Bit rate per RTSP IP channel	Up to 6 Mbps
Integrated functions	
Motion detection	Integrated
SmartFinder	Integrated
Audio for all channels	Integrated (for Dallmeier IP cameras)
Privacy Zones	Integrated (directly in Dallmeier IP cameras)
Recording of RTSP cameras	Optional (Licenses 004412 to 004418)
Configuration of ONVIF cameras	Optional (Licenses 004412 to 004418)
PRemote-HD	--
iPhone Server	--
SEDOR® Camera Sabotage Protection	Optional (License 003810)
SeMSy® compatibility	Integrated

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 6) NVIDIA is a trademark or registered trademark of NVIDIA Corporation headquartered in Santa Clara, California, USA
 7) Optional licenses required: 3rd Party Package 004412 to 004418. Please note the white paper **SMAVIA & 3rd Party IP Cameras**.