



# VIDOS Video Management System



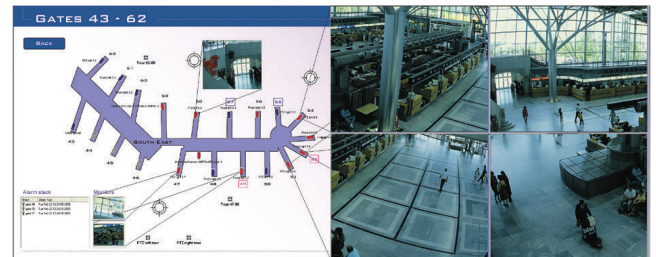
- ▶ All-in-one video management centre solution
- ▶ Site-map based user interface
- ▶ Analog monitor support
- ▶ Database-driven system management
- ▶ Extensive alarm handling
- ▶ Automated guard tours

## VIDOS Installation Package

This installation provides a powerful and fully customizable video management system. It installs VIDOS, the VIDOS Archive Player & Exporter, the Configuration Manager and the necessary software environment as a 30-day trial version. The installation can then be licensed according to the application's requirements and configured to run as a stand-alone workstation or to work as a client for VIDOS Server.

Exporter in VIDOS Archive Player, VIDOS Automation Interface and VIDOS Intuikey Integration require separate licenses.

Together with the other powerful components in the VIDOS Pro Software Suite including VIDOS Lite Viewer and VIDOS Monitor Wall applications, this installation package with VIDOS, VIDOS Archive Player & Exporter and the Configuration Manager is ideally suited to CCTV applications of any scale. Built-in scripting and application programmer's interfaces (APIs), like the Automation Interface to remotely control VIDOS, allow for easy integration with, or the enhancement of existing security solutions.



## VIDOS

VIDOS is a unique and powerful video surveillance and alarm management software product that enables security and surveillance professionals to perform sophisticated tasks with ease. Based on the intuitive graphical concept of site-maps, VIDOS puts the operator firmly in control of the world around him.

VIDOS is fully customizable, allowing you to run your CCTV system the way you want to and keeping training down to a minimum. Additionally, CCTV keyboard integration enables the operator to control all devices, alarms and even sitemaps in the same way as controlling a conventional system.

VIDOS integrates with all existing peripheral equipment like dome cameras and analog monitors. With its sophisticated touring and patrolling functions, automatic recording tasks and comprehensive archive features VIDOS offers functionality and performance unprecedented in CCTV applications.

As part of the VIDOS Pro Software Suite, VIDOS may act as a client in combination with VIDOS Server enabling centralized management and control. This enables an administrator to set different authorization levels for groups of users, which in turn controls VIDOS client privileges for live viewing, PTZ, recording and retrieval.

In environments where IP cameras and encoders record directly to iSCSI drives and VRM Video Recording Manager controls the storage assignment, VRM Server can be used instead of VIDOS Server to ensure consistent system configuration.

In smaller applications, where only a few users, authorisation levels, privileges and priorities are required, it may act as a full-blown video management system solution in itself, controlling an unlimited number of cameras.

VIDOS is available as software only, supporting 16, 32, 64 or an unlimited number of cameras and monitors. There is also a choice of two pre-configured hardware solutions for easiest and fastest integration.

### VIDOS Archive Player & Exporter

VIDOS Archive Player & Exporter, part of the VIDOS Pro Video Management Software Suite, allows operators to very easily search and playback pre-recorded video and events and export them for subsequent use. The software allows operators to replay from any encoder, NVR, iSCSI drive, or local hard disc, search for video sequences and bookmarks and simply export sequences.

VIDOS Archive Player & Exporter presents a quick and easy to use interface that is designed to accelerate the process of browsing available recordings and uses intuitive time and calendar features to home in on specific events and bookmarks. By instantaneously switching between replay and export screens the search time is further minimized. All search results are tracked in concise lists that can easily be processed for export to other storage media. With the integrated Direct-Burn function, the export files can be directly written to CD/DVD (assuming a CD/DVD-RW drive is attached).

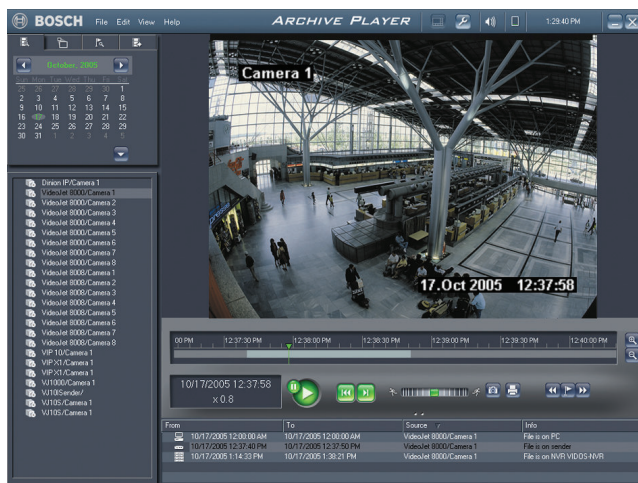
Forensic Search in Archive Player allows to search over recorded metadata created by encoders or cameras running VCA (like MOTION+, IVMD, or IVA). Search parameters can be redefined to find objects which did not trigger an alarm initially.

As part of the VIDOS Pro Software Suite, VIDOS Archive Player & Exporter can be used in combination with VIDOS Server or VRM Server which offer centralized management and control. This enables an administrator to set user privileges, and their right to access cameras and recordings via VIDOS Archive Player & Exporter.

### VIDOS Automation Interface

The VIDOS Automation Interface provides remote control and supervision via a socket interface. It resembles a „programmer's style“ ASCII string command interface for video and audio switching, to control digital I/O and alarms, to control workspace and for event subscription and delivery. The VIDOS Automation Interface provides two basic mechanisms: one for issuing synchronous commands and one for receiving event information. To ensure authenticity the external controller needs to login with username and password.

Access to the automation interface must be explicitly enabled and is password protectable.





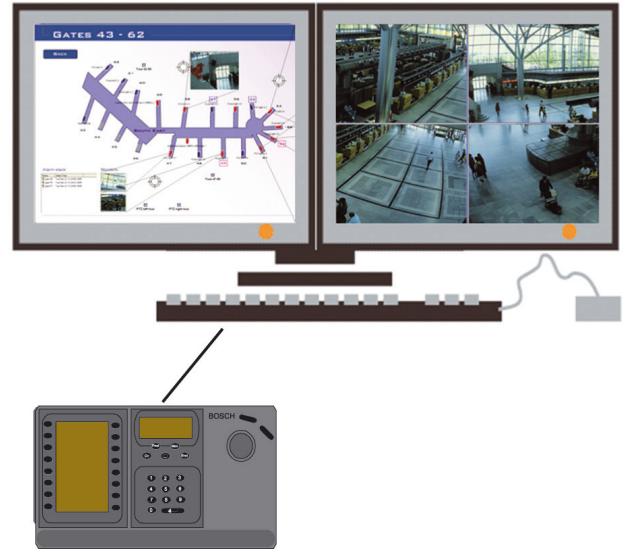
1 External controller

### VIDOS IntuiKey Integration

Use the ergonomic advances of the Bosch IntuiKey CCTV keyboard for full control of networked surveillance. Almost all VIDOS functions are accessible without the need for mouse or PC keyboard access of the operator, bringing the traditional matrix input device to a new level of experience.

Ease the migration from the analogue to the digital world by switching cameras and monitors via the keypad. Control the pan, tilt and zoom positions via the joystick and use the camera menu for accessing all auxiliary AutoDome functions. Direct keys are available for recalling camera presets and acknowledging alarms. Four direct menu keys provide quick access to functions for user authentication, recording and snapshots, sitemap navigation, camera menus and replay control.

The Bosch IntuiKey unique custom programmable softkey feature enables up to six fully programmable softkeys per sitemap for guided map navigation and device control.



### VIDOS Virtual Matrix Keyboard

For easier migration it is possible to connect up to ten IntuiKey CCTV keyboards remotely via decoders like VIP XD or VIP X1600 XFMD. Thus you also save costs as less PC hardware is necessary. The remote keyboards are virtually working as if directly connected to the VIDOS workstation.

## Technical Specifications

### Minimum System Requirements

Hardware	Personal Computer
CPU	Pentium IV, 3.0 GHz or better
Hard Disk Interface	IDE or better
RAM	256 MB
OS	Windows XP Home/XP Professional
Graphic Card	NVIDIA GeForce 6600 NVIDIA Quadro FX 1400 ATI RADEON X600/X800 or better
Ethernet Card	1000 Mbps
Sound Card	Recommended
Software	DirectX 9.0c
Free Memory (Installation)	120 MB (.NET environment, VIDOS, VIDOS Archive Player, Configuration Manager)

### Software Features

#### VIDOS

Tree View	User configurable, Explorer style resource tree
Display	Drag and drop connection control User definable video windows Built-in electronic zoom function Simultaneous viewing of several video streams

**VIDOS**

	Full screen mode viewing
	On-screen or in picture PTZ camera control
	Multiple, user definable workspaces
	Window snap organizer
	Addition of multiple external monitors
	JPEG snapshot overview of all connected devices
Scan Network	Autoscan function over the complete network
	JPEG snapshot overview of all devices
	Remote upload of devices via LAN/WAN
	Scan result copy to a clipboard by one mouse click
Site Map	Built-in site map editor
	Background bitmap graphics
	User definable symbols with programmable functions, e.g. Hyperlinks
	Fully scalable and movable software monitors
	External hardware monitor support
	Automatic camera activation on alarm
Configuration	User groups and privileges
	Device properties
	Device COMs for remote camera control
	Preset camera sequences (Salvos)
Trigger and Alarm	Logical trigger creation
	Scheduler
	Alarm stack log
	Programmable alarm triggered jobs
	Integrated alarm testing
	Action plans for alarm handling
Recording	Recording configuration in encoders
	Simultaneous recording of video, audio and transparent data
	Scheduled and alarm recording
	Ring recording function per camera
	Synchronous playback of multiple cameras
	JPEG snapshot
NVR (option)	Full Network Video Recording functionality and advanced recording features by implementation of VIDOS-NVR modules (see respective data sheet)

**VIDOS Archive Player**

Tree View	User configurable resource tree
Replay	From VIP/VideoJet devices, NVR and local hard disc
	Calendar and time range search function
	Bookmark setting and search function
	Built-in digital zoom function
	Dynamic timeline
	Trick mode replay
	Full screen mode

**VIDOS Archive Player**

	JPEG snapshot with direct print function
Export (option)	Simultaneous export of video and audio of multiple recordings
	Direct burn on CD
Forensic Search (option)	Search over VCA-generated metadata
	Redefine search parameters so that objects trigger an alarm even if they did not do so initially
Configuration	Through Configuration Manager

**Ordering Information**

<b>VIDOSPRODEMO</b>	<b>VIDOS Pro Demo Package</b>	<b>VIDOSPRODEMO</b>
	VIDOS Pro Trial versions inclusive printed documentation and CD	
<b>VIDOS16CH</b>	<b>VIDOS 16 Channels</b>	<b>VIDOS16CH</b>
	VIDOS stand-alone license for 16 channels	
<b>VIDOS32CH</b>	<b>VIDOS 32 channels</b>	<b>VIDOS32CH</b>
	VIDOS stand-alone license for 32 channels	
<b>VIDOS64CH</b>	<b>VIDOS 64 channels</b>	<b>VIDOS64CH</b>
	VIDOS stand-alone license for 64 channels	
<b>VIDOSUNLIM</b>	<b>VIDOS unlimited channels</b>	<b>VIDOSUNLIM</b>
	VIDOS stand-alone license for unlimited no. of channels	
<b>VIDOS16CH-5P</b>	<b>VIDOS 16 chan. 5-pack</b>	<b>VIDOS16CH-5P</b>
	VIDOS stand-alone license for 16 channels 5-pack	
<b>VIDOS32CH-5P</b>	<b>VIDOS 32 chan. 5-pack</b>	<b>VIDOS32CH-5P</b>
	VIDOS stand-alone license for 32 channels 5-pack	
<b>VIDOS64CH-5P</b>	<b>VIDOS 64 chan. 5-pack</b>	<b>VIDOS64CH-5P</b>
	VIDOS stand-alone license for 64 channels 5-pack	
<b>VIDOSUNLIM-5P</b>	<b>VIDOS unlimited 5-pack</b>	<b>VIDOSUNLIM-5P</b>
	VIDOS stand-alone license for unlimited no. of channels 5-pack	
<b>VIDOS16CH-10P</b>	<b>VIDOS 16 chan. 10-pack</b>	<b>VIDOS16CH-10P</b>
	VIDOS stand-alone for 16 channels 10-pack	
<b>VIDOS32CH-10P</b>	<b>VIDOS 32 chan. 10-pack</b>	<b>VIDOS32CH-10P</b>
	VIDOS stand-alone license for 32 channels 10-pack	
<b>VIDOS64CH-10P</b>	<b>VIDOS 64 chan. 10-pack</b>	<b>VIDOS64CH-10P</b>
	VIDOS stand-alone license for 64 channels 10-pack	
<b>VIDOSUNLIM-10P</b>	<b>VIDOS unlimited 10-pack</b>	<b>VIDOSUNLIM-10P</b>
	VIDOS stand-alone license for unlimited no. of channels 10-pack	
<b>VIDOS UPGR 16 TO 32 CH</b>		<b>3504B100</b>
	VIDOS upgrade licence for 1 PC from 16 to 32 cameras and monitors	

**Ordering Information**

<b>VIDOS UPGR 16 TO 64 CH</b> VIDOS upgrade licence for 1 PC from 16 to 64 cameras and monitors	<b>3504B200</b>
<b>VIDOS UPGR 16 TO UNLIM</b> VIDOS upgrade licence for 1 PC from 16 to unlimited cameras and monitors	<b>3504B300</b>
<b>VIDOS UPGR 32 TO 64 CH</b> VIDOS upgrade licence for 1 PC from 32 to 64 cameras and monitors	<b>3504B400</b>
<b>VIDOS UPGR 32 TO UNLIM</b> VIDOS upgrade licence for 1 PC from 32 to unlimited cameras and monitors	<b>3504B500</b>
<b>VIDOS UPGR 64 TO UNLIM</b> VIDOS upgrade licence for 1 PC from 64 to unlimited cameras and monitors	<b>3504B600</b>
<b>VIDOSCL VIDEOS Client License</b> VIDOS Client License per PC w/o cameras	<b>VIDOSCL</b>
<b>VIDOSCL-5P VIDEOS Client 5-pack</b> VIDOS Client License per PC w/o cameras 5-pack	<b>VIDOSCL-5P</b>
<b>VIDOSCL-10P VIDEOS Client 10-pack</b> VIDOS Client License per PC w/o cameras 10-pack	<b>VIDOSCL-10P</b>
<b>VIDOSAPEXPT AP Export Tool</b> Archive Player License for Export Tool per PC	<b>VIDOSAPEXPT</b>
<b>VIDOSAPEXPT-5P AP Export 5-pack</b> Archive Player License for Export Tool per PC 5-pack	<b>VIDOSAPEXPT-5P</b>
<b>VIDOSAPEXPT-10P AP Export 10-pack</b> Archive Player License for Export Tool per PC 10-pack	<b>VIDOSAPEXPT-10P</b>
<b>VIDOSKBD IntuiKey Keyboard License</b> IntuiKey Keyboard License	<b>VIDOSKBD</b>
<b>VIDOSKBD-5P IntuiKey Keyboard License 5-pack</b> IntuiKey Keyboard License 5-pack	<b>VIDOSKBD-5P</b>
<b>VIDOSKBD-10P IntuiKey Keyboard License 10-pack</b> IntuiKey Keyboard License 10-pack	<b>VIDOSKBD-10P</b>
<b>VIDOSAUTO VIDEOS Automation IF</b> VIDOS Automation Interface License per VIDEOS PC	<b>VIDOSAUTO</b>
<b>VIDOSAUTO-5P VIDEOS Autom. IF 5-pack</b> VIDOS Automation Interface License per VIDEOS PC 5-pack	<b>VIDOSAUTO-5P</b>
<b>VIDOSAUTO-10P VIDEOS Autom. IF 10-pack</b> VIDOS Automation Interface License per VIDEOS PC 10-pack	<b>VIDOSAUTO-10P</b>

**Ordering Information**

<b>Accessories</b>	
<b>MHW-W45M1-EL Management Workstation</b> VIDOS Client Entry Level (localization kit must be ordered separately)	<b>MHW-W45M1-EL</b>
<b>MHW-W65M1-PE Management Workstation</b> High-end management workstation, Bosch VIDEOS Client Small (PC6) (localization kit must be ordered separately)	<b>MHW-W65M1-PE</b>
<b>MHW-W65M1-NG Management Workstation</b> High-end management workstation, Bosch VIDEOS Client Small (localization kit and graphics card must be ordered separately)	<b>MHW-W65M1-NG</b>
<b>MHW-W67M2-HE Management Workstation</b> High-performance management workstation, Bosch VMS/VIDOS Client Large (PC7) (localization kit must be ordered separately)	<b>MHW-W67M2-HE</b>
<b>MHW-W67M2-NG Management Workstation</b> High-performance management workstation, Bosch VMS/VIDOS Client Large (localization kit and graphics card must be ordered separately)	<b>MHW-W67M2-NG</b>
<b>MHW-W67M2D4-AE Management Workstation</b> Bosch VMS/VIDOS All-in-One Edition (localization kit must be ordered separately)	<b>MHW-W67M2D4-AE</b>
<b>MHW-WQ67M4-EE Management Workstation</b> Highest-performance management workstation, Bosch VMS/VIDOS Client Extreme Edition (localization kit must be ordered separately)	<b>MHW-WQ67M4-EE</b>
<b>Software Options</b>	
<b>MVC-FAPFS</b> Archive Player IVA Forensic Search license	<b>MVC-FAPFS</b>
<b>VIDOS Virtual Matrix Keyboard Expansion</b> VIDOS IntuiKey expansion by 1 keyboard	<b>MVC-XKBD-001</b>
<b>VIDOS Virtual Matrix Keyboard Expansion (5)</b> VIDOS IntuiKey expansion by 5 keyboards	<b>MVC-XKBD-005</b>
<b>VIDOS Virtual Matrix Keyboard Expansion (10)</b> VIDOS IntuiKey expansion by 10 keyboards	<b>MVC-XKBD-010</b>

**Americas:**  
Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
security.sales@us.bosch.com  
www.boschsecurity.us

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
Fax: +31 40 2577 330  
emea.securitysystems@bosch.com  
www.boschsecurity.com

<b>Asia-Pacific:</b> Robert Bosch (SEA) Pte Ltd, Security Systems 11 Bishan Street 21 Singapore 573943 Phone: +65 6571 2600 Fax: +65 6571 2698 apr.securitysystems@bosch.com www.boschsecurity.com	<b>Represented by</b>
---	-----------------------