

Commercial presentation

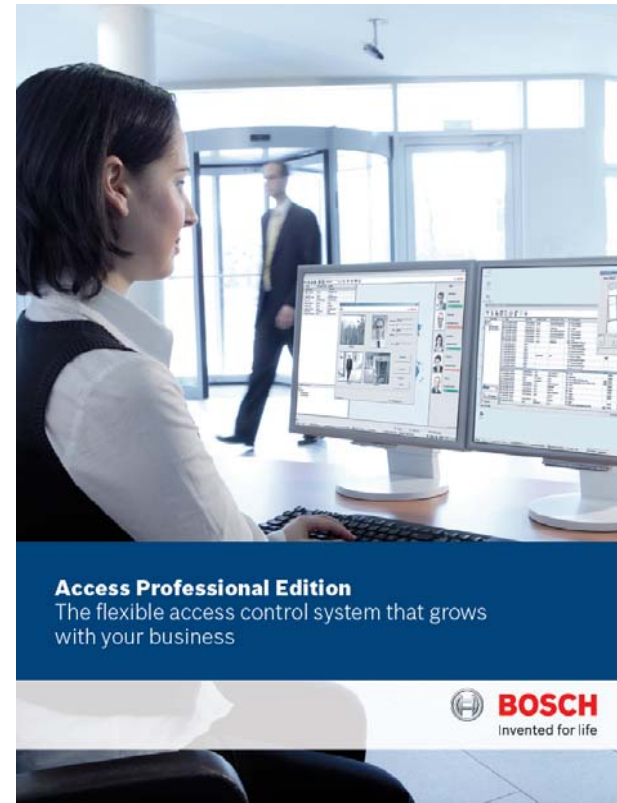


Security Systems



What is Access Professional Edition 2.0 ?

- It's the successor product of former Access Personal Edition 1.x
- It's designed for small to medium sized installations with the option to upgrade to an enterprise application by using the same hardware platform
- It's a client/server based PC application running under Microsoft operating systems
- It provides a wide range of new features and improvements



New features at-a-glance

Feature	Benefit
Integrated video functionalities via the Bosch Video SDK	Seamless access control and IP video application from one competent supplier
Video verification – reader mode providing database image and live image for comparison	Higher security level for entire application, more comfort in operation
Alarm verification – providing live images caused through typical alarms around a door	Immediate and clear precise overview on any alarm situation around a door, e.g. forced open
Video playback from archives via manual selection or quick link from APE event log	Seamless reporting on access requests or alarm situation with minimum search time
Online swipe – verification via database image automatically provided through access request	Higher security at doors in sight with minimum effort and costs



New features at-a-glance

Feature	Benefit
Maximum number of cardholders extended to 10,000	Enables to cover projects up to the upper medium size which closes the gap to enterprise installations
Maximum number of readers extended to 128	Same as before
Assign up to three PIN codes for different purposes to a cardholder	More flexibility for access control and more comfort in operation
New door template “PIN only” – provides opening a door only by PIN code	More flexibility in access control at certain times and certain areas
Assign up to three different credentials to a cardholder	More flexibility and comfort in operation



New features at-a-glance

Feature	Benefit
Microsoft Vista compliant	Extends the range of operating systems and provides more flexibility in installation
New additional languages	Penetration in to new markets
Dual-monitor support with intelligent window management per workstation	Better overview and more comfort in operation
Time zone support for AMC access controllers	Allows installations across different time zones
New filter options in reports	More comfort and flexibility in reporting



New features at-a-glance

Feature	Benefit
Offline reader management*	Provides penetration of new market segment. More flexibility through mixture of online and offline peripherals.
Wiegand extension board support – makes an eight door controller of a standard Wiegand AMC	Provides new attractive solution for installations
EM enrolment reader support (ARD-1200EM-USB)	Extends the low cost reader portfolio and provides more comfort in operation
HID RS485 serial bus reader support	More flexibility in installations, attractive through less cabling effort and costs

* only selected markets



Language overview (GUI application)

- Since V1.x
 - German
 - English
 - Dutch
 - Polish
 - Simplified Chinese

- additionally from V2.0 onwards
 - European Spanish
 - Brazilian Portuguese
 - Russian



The new video integration

The Video functionality in the Access Professional Edition relies on the **BOSCH Video-SDK**, which opens the wide range of Bosch IP video devices to the access control. This reusable Software Development Kit provides sophisticated features which are seamlessly integrated into a perfectly matching security solution.



Video – the configuration

- Just browse your cameras from the corporate network – similar as with AMC controller, easy and comfortable
- Easy check via live video button, if camera or view is the right
- Adapt connection parameters, such as user/password, if required by video device
- Assign individual user rights for live streaming, archiving or exporting video
- Group your cameras in up to three privacy categories and restrict the access to them individually



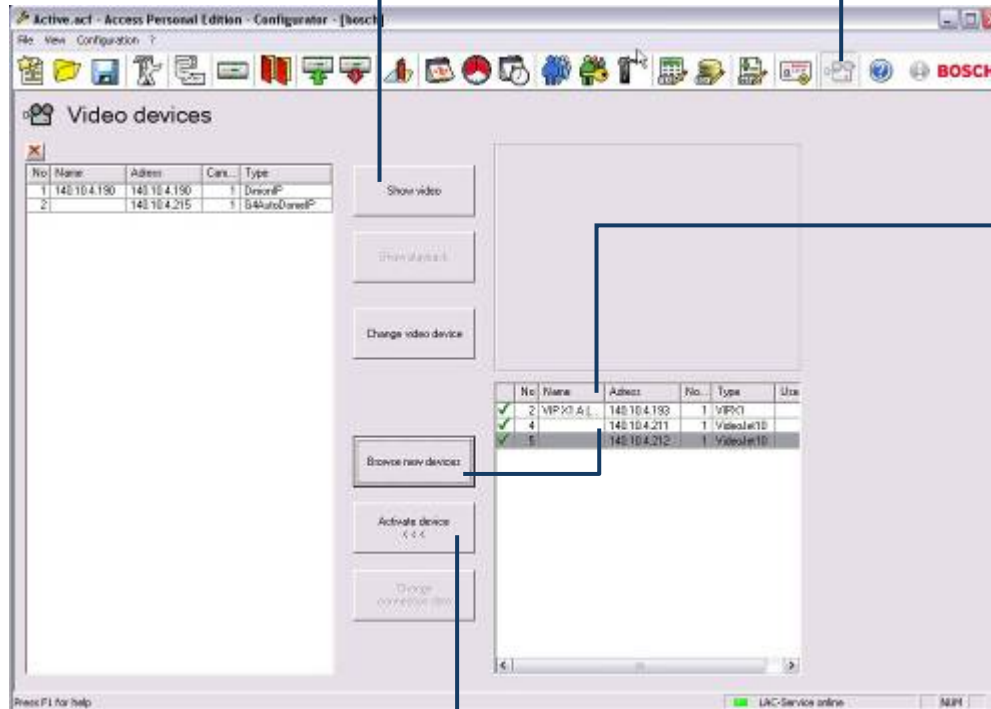
Video – the configuration

activate live streaming to check camera and view

4

start basic video configuration

1



browse cameras from network

2

add cameras to your list of favorites you want to use with access control

3

Video – the configuration

The screenshot shows the 'Videoverification and videosurveillance' configuration window. It contains several sections: 'Entrances with videoverification' with checkboxes for 'Not active', 'Active', and 'Active timemodel'; 'Password required' checkbox; 'Identification camera' dropdown menu; 'Select Camera for alarm and log book' section with radio buttons for 'Back surveillance' and 'Front surveillance', each with two camera selection dropdowns; and 'No surveillance' radio button. A live video feed is shown on the right. Callouts 1-5 point to specific elements: 1 points to the window title, 2 to the 'Entrances with videoverification' section, 3 to the 'Identification camera' dropdown, 4 to the 'Back surveillance' camera dropdowns, and 5 to the 'Select Camera for alarm and log book' radio buttons.

2 activate verification

1 start basic video configuration

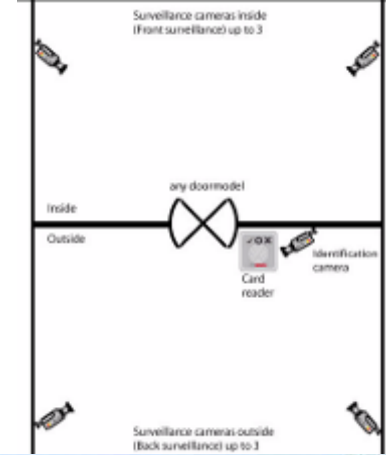
3 assign ID camera for video verification

5 define camera to be used for alarm verification at the corresponding door

4 assign up to 4 surveillance cameras with video verification, 2 for back and 2 for front view

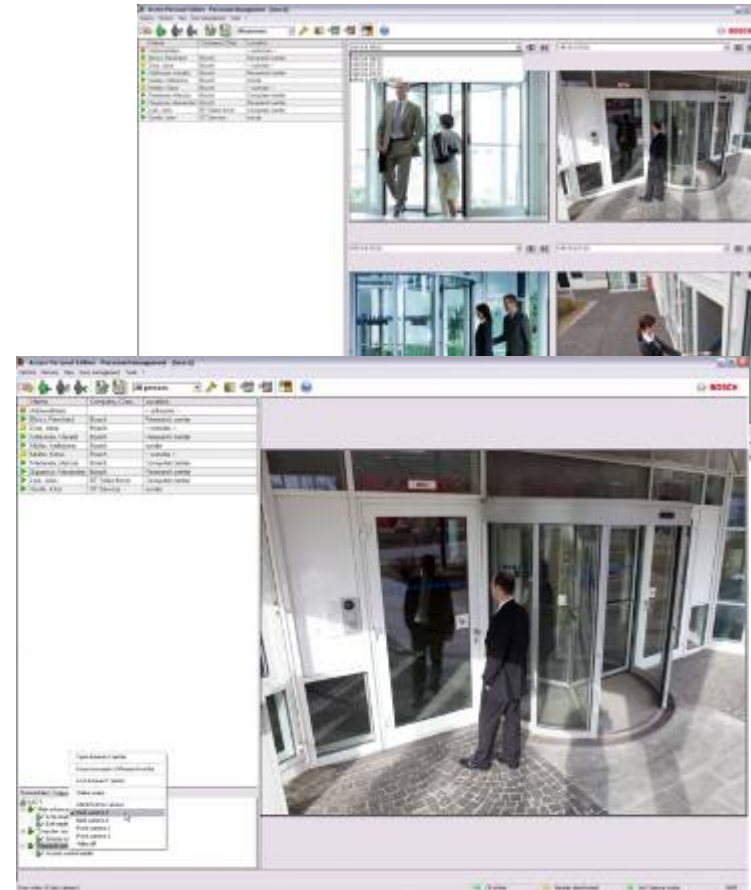
Video verification scenario

- Cameras are assigned and door/reader is set to video verification mode
- Swiping a badge presents the person's database image and a live video from the corresponding ID camera for comparison to an operator. A live view from the back surveillance cameras (up to two) allow to identify if person is threatened or somebody tries to tail-gate
- After comparison the operator decides whether to grant the access or not, just by clicking on the corresponding button
- Granting the access unlocks the door
- Opening the door switches the live view to the up to two front surveillance cameras to identify that the person enters properly and alone
- If no operator has started the video verification screen the access request at the door will be denied by the system



Video – live streaming from selected cameras

- Live video is displayed in same window as cardholder master record administration (toggle mode)
- Select view from single camera or 2x2 matrix (quad mode)
- Cameras are selectable from the context menu of any door within the device tree, directly from a camera list or from drop-down list in quad mode



Video – archiving and playback

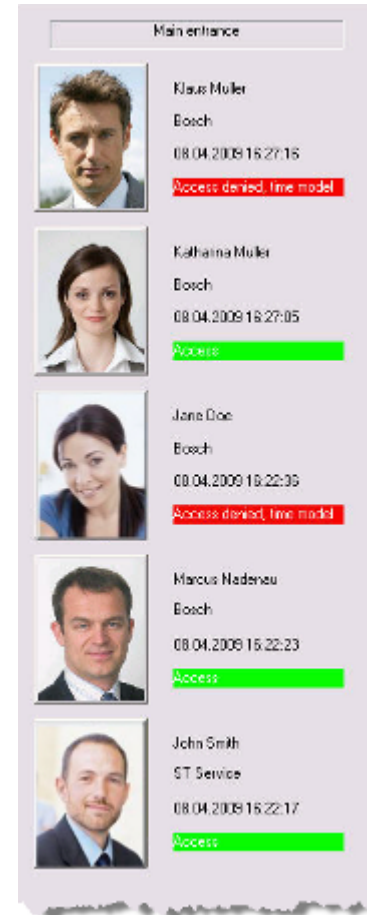
- All event/alarms are stored in the central event log
- The log viewer provides now a new column – for events with alarm camera assigned you will find a camera icon
- Clicking that icon provides direct access to the video archive corresponding to the alarm/event you have selected
- The operator can either take snapshots or record parts of the provided video stream to his local hard disk for further use

A screenshot of the 'ViewLog - Logviewer - [bosch]' window. The window shows a table of events. The table has columns for Date, LAC/FID, Reader/Logon, Local application, No., Message, Card No., Last name, Flat name, Company, and Local date. A red box highlights a camera icon in the 'Card No.' column of the row with '510' as the Card No. and 'Eve' as the Last name.

Device status	Date	LAC/FID	Reader/Logon	Local application	No.	Message	Card No.	Last name	Flat name	Company	Local date
LAC-1	21.04.2009 14:04:48	B S-PFH02	bosch	Configurator	200	Login		Accy-natali			
Maintenance	21.04.2009 14:19:22	B S-PFH02	bosch	Configurator	201	Logout		Accy-natali			
Entry reader 1	21.04.2009 15:06:24	B S-PFH02	bosch	Personnel Management	200	Login		Accy-natali			
Exit reader 1	21.04.2009 15:06:22	B S-PFH02	bosch	Access verification	200	Login		Accy-natali			
Computer center	21.04.2009 15:06:22	LAC-1	access reader	Computer center	22	Not authorized		Sylvia	John	ST Service	
Access control reader	21.04.2009 15:06:22	LAC-1	access reader	Computer center	28	Access denied (line mode invalid)		Eve	Jane	Bosch	
Passach center	21.04.2009 15:06:48	B S-PFH02	bosch	Access verification	510	Video verification access gained		Accy-natali			
Access control reader	21.04.2009 15:06:22	B S-PFH02	bosch	Access verification	513	Video verification access denied (line mode)		Accy-natali			

Online swipe – verification via database image

- Easily activated via context menu of any door within the device tree
- Shows the last five persons which have requested access at the selected entrance
- Displays database image and basic cardholder data together with time stamp of access request
- Through comparison of provided database image and live view (direct sight or camera view) an operator can identify if the right person is entering
- Preliminary stage of video verification



Alarm verification

- New application displaying all active alarms
- If a surveillance camera is defined live video from the alarm location is provided
- The alarm verification can run on all connected workstations simultaneously – all will receive the same alarms
- Once acknowledged by an operator the alarm will disappear on the other workstations

Supported video devices

Video devices		Live	Playback	PTZ control	Video export	Version
IP cameras						
Auto dome IP		Yes	No	Yes ¹	Yes ²	
Flexi dome IP		Yes	No	Yes ¹	Yes ²	
Dinion IP		Yes	No	Yes ¹	Yes ²	
Encoders						
Videojet X10, 20, 40		Yes	Yes	Yes ¹	Yes ²	
VIP-X		Yes	Yes	Yes ¹	Yes ²	
VIP 10 ³	EOL	Yes	Yes	No	Yes ²	
DVR / NVR						
DiBos DVR		Yes	Yes	Yes ¹	Yes ²	8.5 or later
Divar XF		Yes	Yes	Yes ¹	Yes ²	
iSCSI / USB / HD / Flash plus Encoder		Yes	Yes	Yes ¹	Yes ²	

¹ Availability depends on Video-SDK version ready with APE release (4.32.x = no, 4.40.x = yes), will be InWinPTZ (mouse over)

² Supported format depends on Video-SDK version, details will follow

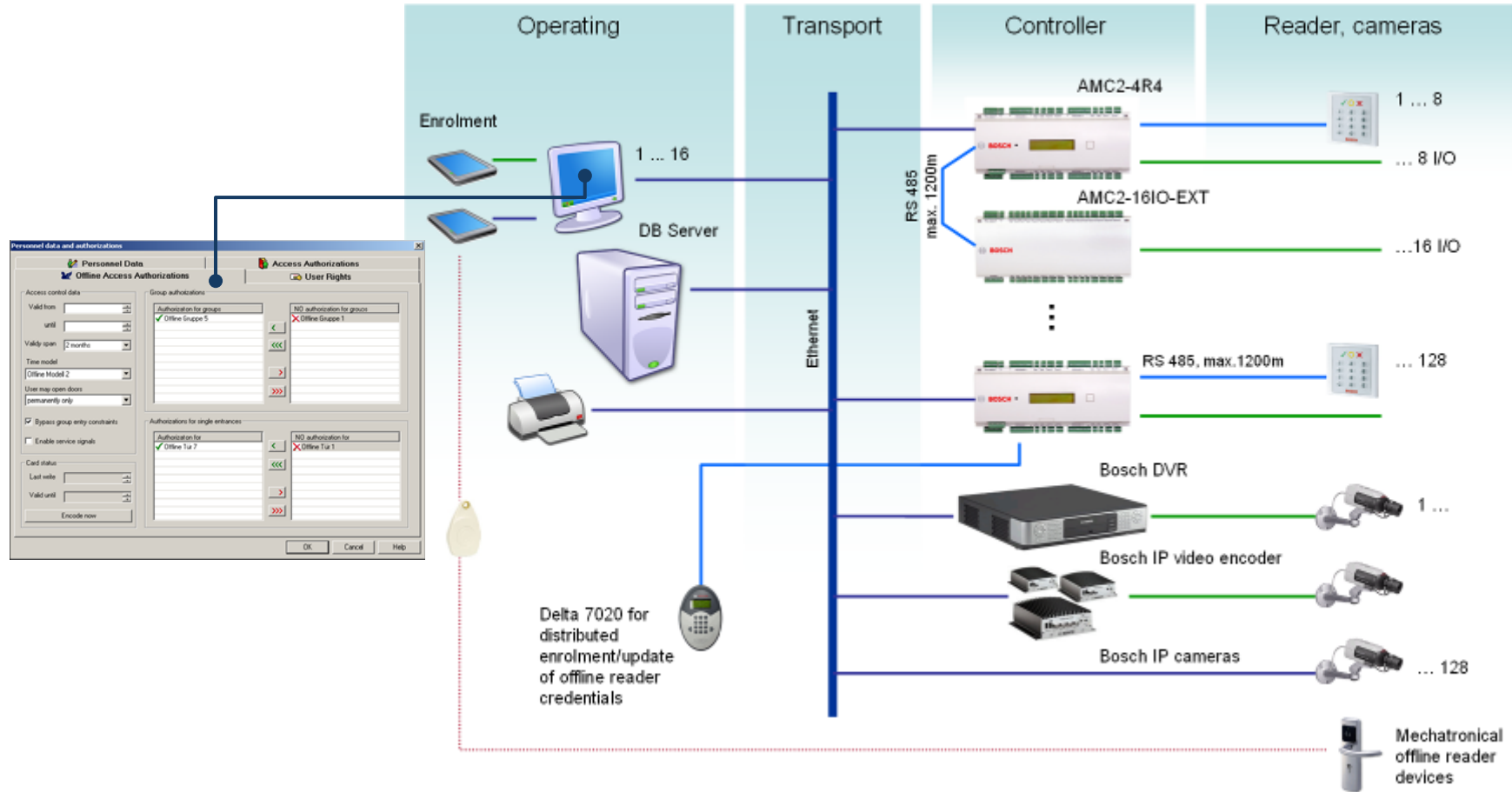
³ Support of that device depends on Video-SDK version used with APE (4.32.x = yes, 4.40.x = no)

The new offline reader management

- Provides management of access rights at so called offline readers, used e.g. in hotels or at locations without network
- Runs standalone or can be mixed with AMC and “normal” readers in the same system
- Supported card formats are Hitag and Mifare
- Central enrolment with workstation reader and distributed enrolment/update via AMC-4R4 + Delta7020 reader
- Starts only in selected markets, e.g. Germany



Offline reader management – system overview



Order information – starter packages

	APE Basic package	APE Extended package
Number of cardholders	2,000	10,000
Number of readers	1 ... 16	1 ... 64
Number of simultaneous operators	1	2
Part number	ASL-APE2P-BASE	ASL-APE2P-BEXT



Order information – extensions

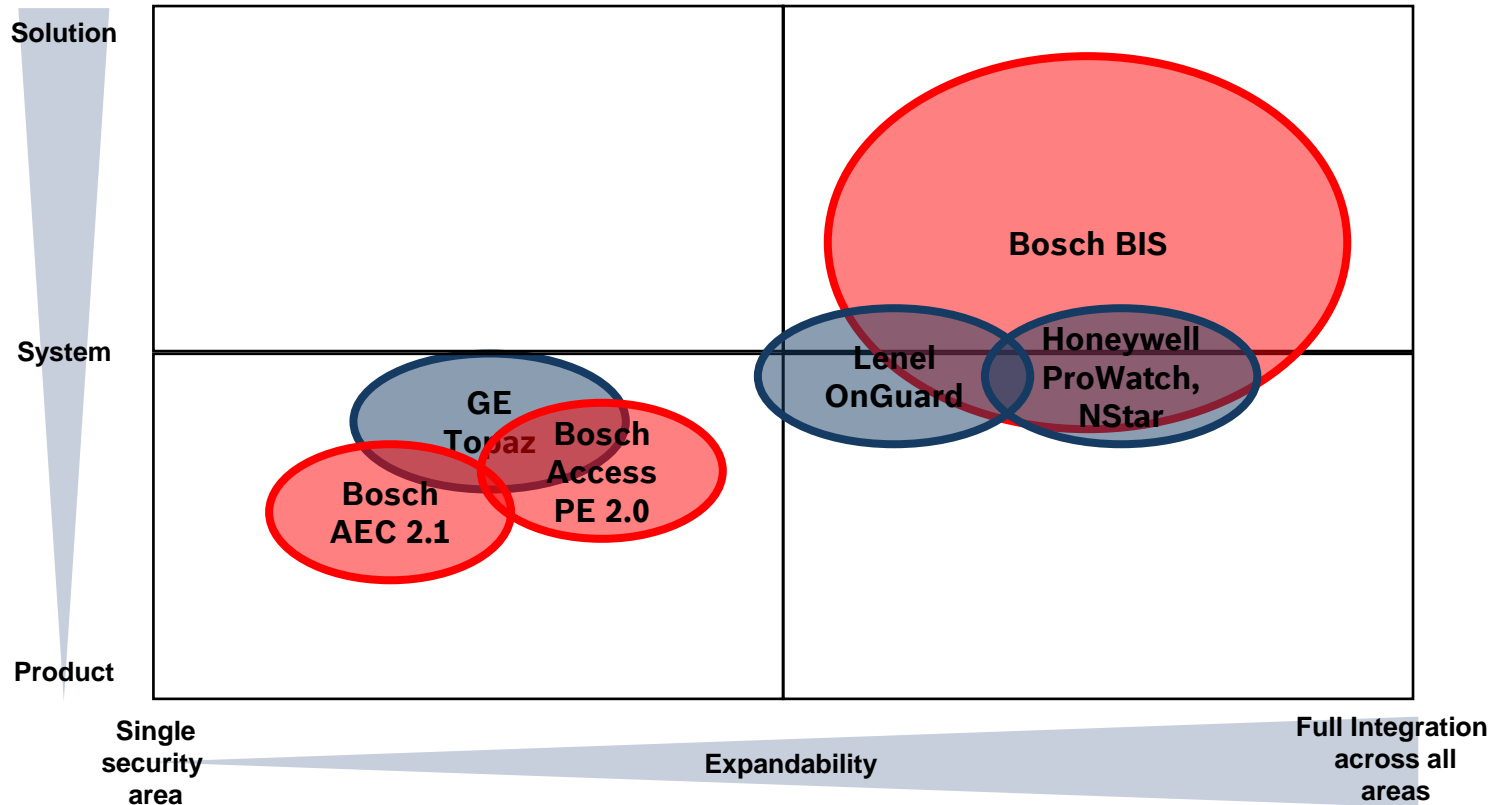
Item	Part number	Description
Reader license extension	ASL-APE2P-RDR	Extends the starter packages with reader licenses in steps of 16 up to the limit of 128
Operator license extension	ASL-APE2P-CLI	Extends the starter packages with simultaneous operator licenses in steps of one up to the limit of 16
Video core license	ASL-APE2P-VIDB	Activates the core video function in APE 2.0 and provides 16 video channels for use with e.g. video verification
Video channel extension	ASL-APE2P-VIDE	Extends the number of usable video channels in steps of 16 up to the limit of 128

Order information – extensions

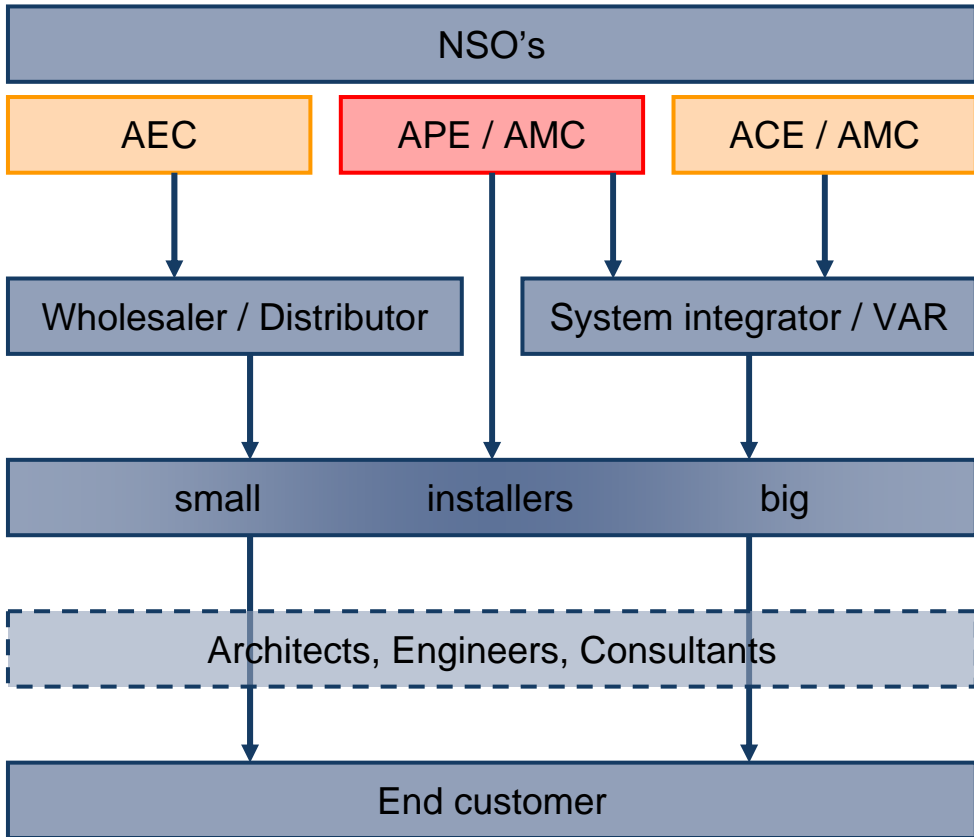
Item	Part number	Description
Offline reader management	ASL-APE2P-OLSB	Activates the offline reader management and provides 16 offline reader licenses
Offline reader device license extension	ASL-APE2P-OLSE	Extends the number offline reader devices to be used in steps of one



Market positioning



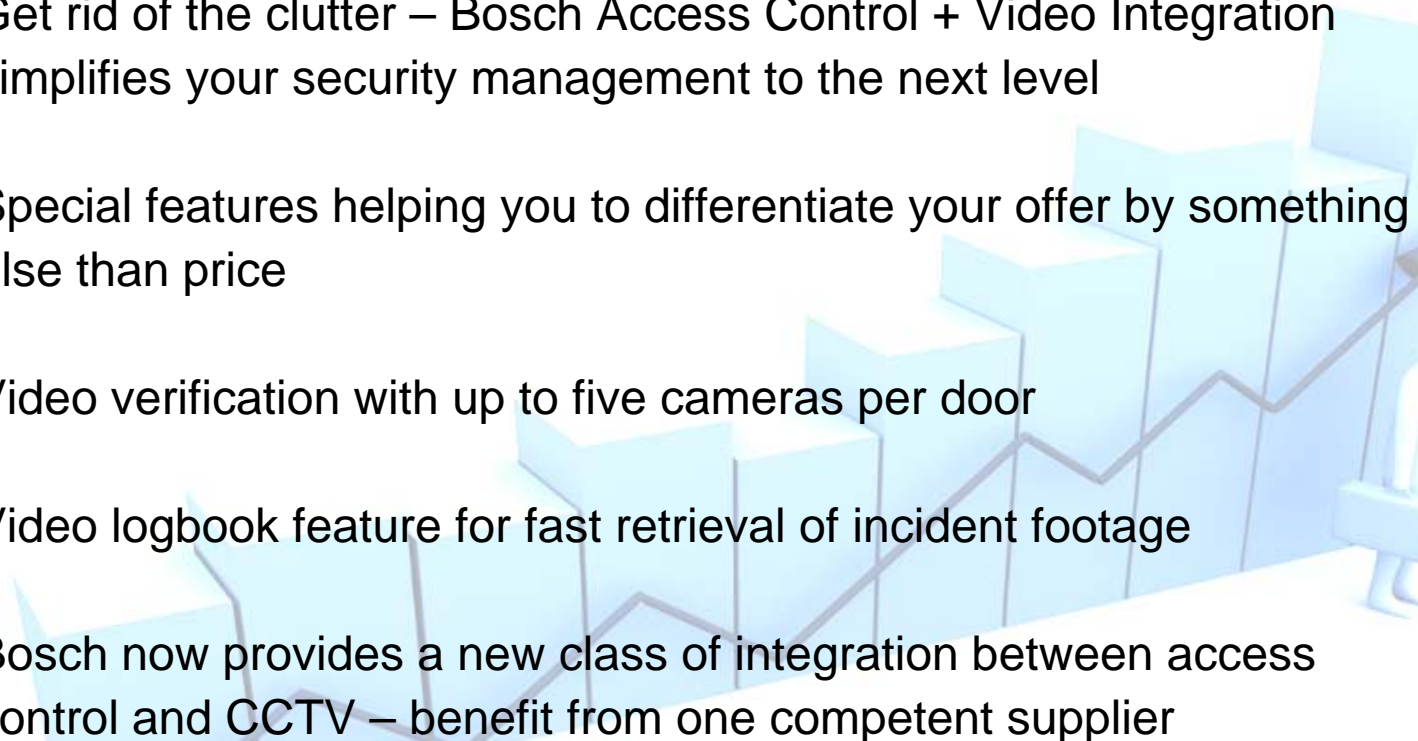
Sales approach within the access control portfolio



Target groups

- System integrators
- VAR's
- Big installers
- Bosch dealers
- Bosch integrators
- End user, operated by security officer, receptionists

Key marketing messages

- Get rid of the clutter – Bosch Access Control + Video Integration simplifies your security management to the next level
 - Special features helping you to differentiate your offer by something else than price
 - Video verification with up to five cameras per door
 - Video logbook feature for fast retrieval of incident footage
 - Bosch now provides a new class of integration between access control and CCTV – benefit from one competent supplier
- 

Key marketing messages

- Complete entry level solution for SME
- New built-in video functionality further adds possibilities and additional security options under one system.
Flexible. Scalable. Access solution that grows with your needs
- Common scalable hi-tech AMC HW platform providing high flexibility and individuality in system design through having the choice between Wiegand and bus readers
- Scalable to enterprise access solution
- Consequent integration of Bosch Video SDK connects to the wide range of excellent Bosch IP video products

Key marketing messages

- Window Vista compliance for more flexibility in installation
- Multiple language support
- Integration with offline reader devices (PegaSYS mechatronical locks/cylinders) for more variety in access control solutions

