XProtect Comparison Chart July 2010

Feature difference compared to lower product		XPES 1.0 compared to XPB+ 6.5	XPP 7.0 compared to XPES 1.0	XPE 7.0 compared to XPP 7.0	XPCO 3.1 compared to XPE 7.0
Product Name & version	**XProtect Basis+ 6.5**	**Xprotect Essential 1.0**	**XProtect Professional 7.0**	**XProtect Enterprise 7.0**	**XProtect Corporate 3.1**
Feature Overview					
Feature Scope	Basic	Essential	Advanced	Comprehensive	Premium
Live View 30+ FPS	◆	◆	◆	◆	◆
Device Control (PTZ)	◆	◆	◆	◆	◆
Recording and Playback	◆	◆	◆	◆	◆
Archiving Schedules	Hourly	Hourly	Hourly	Hourly	Unlimited
I/O and Event Control	◆	◆	◆	◆	◆
PTZ Patrolling and Scanning	-	-	◆	◆	◆
Audio Support	◆	◆	◆	◆	◆
Audio Recording	◆	◆	◆	◆	◆
Client Access (Max. Clients)	5	5	Unlimited	Unlimited	Unlimited
Evidence Export Formats	JPEG, AVI	JPEG, AVI	JPEG, AVI, Native Database	JPEG, AVI, Native Database	JPEG, AVI, Native Database
Microsoft Active Directory Support	-	-	-	◆	◆
Centralized Management	-	-	-	-	◆
Full Client (Smart Client)	◆	◆	◆	◆	◆
Web Client (Remote Client)	◆	◆	◆	◆	◆
Mobile Client (PDA Client)	-	-	◆	◆	-
Display views as floating window and on multiple monitors	-	-	◆	◆	◆
Map function	-	-	-	-	◆
Supports Smart Wall video wall add-on [1]	-	-	-	-	◆
Virtual Matrix	-	-	◆	◆	◆
Transact Support	◆	◆	◆	◆	◆
XProtect Central Support	-	-	◆	◆	◆
Open SDK for third party application integration	-	-	◆	◆	◆
XProtect Analytics Framework	-	-	◆	◆	◆
Multiple Servers per System	-	-	-	◆	◆
Max. Cameras per System	25	26	64	Unlimited	Unlimited
Recording Server Failover	-	-	-	-	◆
Multicast Support	-	-	-	-	◆
Multiple Stream Per Camera (Multistream)	-	-	-	-	◆
Device License Packages	4, 6, 9, 16, 25	Open	Open	Open	Open
Multi-CPU support	◆	◆	◆	◆	◆
IPv4 support	◆	◆	◆	◆	◆
IPv6 support	-	-	-	-	◆
Product Upgrade	◆	◆	◆	◆	-
Product Maintenance Agreement	-	◆	◆	◆	◆

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XProtect Comparison Chart July 2010

Feature difference compared to lower product		XPES 1.0 compared to XPB+ 6.5	XPP 7.0 compared to XPES 1.0	XPE 7.0 compared to XPP 7.0	XPCO 3.1 compared to XPE 7.0
Product Name & version	**XProtect Basis+ 6.5**	**Xprotect Essential 1.0**	**XProtect Professional 7.0**	**XProtect Enterprise 7.0**	**XProtect Corporate 3.1**
Installation Environments					
Small-Office Home-Office	◆	◆	◆	-	-
Small-to-Medium-Sized Business	◆	◆	◆	◆	◆
Enterprises	-	-	-	◆	◆
Modules					
Recording Server	◆	◆	◆	◆	◆
Recording Failover Server	-	-	-	-	◆
Management Server	-	-	-	-	◆
Management Failover Server	-	-	-	-	◆
Local Management Console (Management Application)	◆	◆	◆	◆	-
Recording Server Manager	◆	◆	◆	◆	◆
Remote Management Console (Management Client)	-	-	-	-	◆
Management Server Portal (Download Manager)	◆	◆	◆	◆	◆
Local Playback/Export Client (Viewer)	◆	◆	◆	◆	-
Full Client (Smart Client)	◆	◆	◆	◆	◆
Standard Client (Remote Client)	◆	◆	◆	◆	◆
Mobile Client (PDA Client)	-	-	◆	◆	-

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XProtect Comparison Chart July 2010

Feature difference compared to lower product		XPES 1.0 compared to XPB+ 6.5	XPP 7.0 compared to XPES 1.0	XPE 7.0 compared to XPP 7.0	XPCO 3.1 compared to XPE 7.0
Product Name & version	**XProtect Basis+ 6.5**	**Xprotect Essential 1.0**	**XProtect Professional 7.0**	**XProtect Enterprise 7.0**	**XProtect Corporate 3.1**
System					
MJPEG Support	◆	◆	◆	◆	◆
MPEG-4 Support	◆	◆	◆	◆	◆
MPEG-4 ASP Support	◆	◆	◆	◆	◆
MxPEG Support	◆	◆	◆	◆	◆
H.264 Support	◆	◆	◆	◆	◆
Support for ONVIF™ Compliant Devices	◆	◆	◆	◆	◆
Support for PSIA Compliant Devices	◆	◆	◆	◆	◆
Generic Device support via Universal Driver	◆	◆	◆	◆	◆
Number IP Device Brands[2] Supported via Dedicated Device Integration	79	79	79	79	45
Number of dedicated IP Device Models[2] supported via Dedicated Device Integration	839	839	839	839	545
Supported DVRs [2]	-	-	-	2	-
Bandwidth-optimized Differentiated Streaming	-	-	◆	◆	◆
Multiple Stream Per Camera	-	-	-	-	◆
Multicast	-	-	-	-	◆
Max. Recording Servers per System	1	1	1	Unlimited	Unlimited
Recording Server Failover	-	-	-	-	◆
Max Devices Installed per Server	4, 6, 9, 16 or 25	26	64	Unlimited	Unlimited
Devices Recording per Server	25	26	64	64	Unlimited
Send camera pre-alarm images to Recording Server	◆	◆	◆		
Video Recording Speed Up	On Motion or Event	On Motion or Event	On Motion or Event	On Motion, Event and Time Schedule	On Motion, Event and Time Schedule
Built-in Video Motion Detection (VMD)	◆	◆	◆	◆	◆
VMD Exclusion Zones	◆	◆	◆	◆	◆
Video Motion Detections per Server	25	26	64	64	Unlimited
Recording Capacity Per Device/Day	Max. 960 GB [3] (Using Archiving)	Max. 960 GB [3] (Using Archiving)	Max. 960 GB [3] (Using Archiving)	Max. 960 GB [3] (Using Archiving)	Unlimited
Audio					
One-way Audio Support	◆	◆	◆	◆	◆
Two-way Audio Support	-	-	◆	◆	◆
One-way Audio Recording	◆	◆	◆	◆	◆
Two-way Audio Recording	-	-	-	-	◆
Supported Audio Channels	1	1	Multiple	Multiple	Multiple

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XProtect Comparison Chart July 2010

Feature difference compared to lower product		XPES 1.0 compared to XPB+ 6.5	XPP 7.0 compared to XPES 1.0	XPE 7.0 compared to XPP 7.0	XPCO 3.1 compared to XPE 7.0
Product Name & version	**XProtect Basis+ 6.5**	**Xprotect Essential 1.0**	**XProtect Professional 7.0**	**XProtect Enterprise 7.0**	**XProtect Corporate 3.1**
PTZ					
Preset Positions per camera	25	25	50	50	Unlimited
Goto Preset on Event	◆	◆	◆	◆	◆
Preset Patrolling	-	-	◆	◆	◆
Combine Patrolling and Goto Preset on Event	-	-	◆	◆	◆
Scanning (moving slowly)	-	-	◆	◆	◆
User Priority	-	-	-	-	◆
Wash and Wipe Command Support	◆	◆	◆	◆	-
I/O and Events					
Input Events	◆	◆	◆	◆	◆
Motion Detection Events	◆	◆	◆	◆	◆
Event-based Device Configuration	-	-	-	-	◆
Event-based Alerts	-	-	-	-	◆
Event-based Notification	◆	◆	◆	◆	◆
Event-based Output Control	◆	◆	◆	◆	◆
Event-based Device Start/Stop	◆	◆	◆	◆	◆
Event-based Matrix Control	-	-	◆	◆	◆
Hardware configurable events (such as tampering, temperature, video lost)	◆	◆	◆	◆	◆
OPC Data Access Support	-	-	-	◆	-
Archiving					
Archiving of Recordings	◆	◆	◆	◆	◆
Keep Online Access to Archives	◆	◆	◆	◆	◆
Parallel Archiving and Recording	◆	◆	◆	◆	◆
Archiving Schedules	Hourly	Hourly	Hourly	Hourly	Unlimited
Retention Time per Device	-	-	◆	◆	◆
Archiving Schedule per Device	-	-	-	-	◆
Archiving to Network Drives	-	-	◆	◆	◆
Dynamic Archiving (Disk Spanning)	-	-	◆	◆	-
Force Automatic Archiving	◆	◆	◆	◆	-

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XProtect Comparison Chart July 2010

Feature difference compared to lower product		XPES 1.0 compared to XPB+ 6.5	XPP 7.0 compared to XPES 1.0	XPE 7.0 compared to XPP 7.0	XPCO 3.1 compared to XPE 7.0
Product Name & version	**XProtect Basis+ 6.5**	**Xprotect Essential 1.0**	**XProtect Professional 7.0**	**XProtect Enterprise 7.0**	**XProtect Corporate 3.1**
Integration					
Video Content Analysis Support	-	-	◆ (Add-on Product)	◆ (Add-on Product)	◆ (Add-on Product)
Recording Server API/SDK	-	-	◆	◆	◆
Client Plug-in Support	-	-	◆	◆	◆
User Defined Events via TCP/IP	-	-	-	-	◆
Generic Events via TCP/IP	-	-	◆	◆	-
OPC Data Access Support	-	-	-	◆	-
Management					
Configuration Wizards	-	◆	◆	◆	◆
Automatic Device Scanning	-	◆	◆	◆	◆
Automatic Device Model Detection	◆	◆	◆	◆	◆
Centralized Device Management	-	-	-	-	◆
Device Group Support	-	-	-	-	◆
Centralized Recording Server Management	-	-	-	-	◆
Centralized User Management	-	-	-	◆ (only Active Directory)	◆
On-the-fly configuration changes	-	-	-	-	◆
Run Servers as Windows Services	◆	◆	◆	◆	◆
Scheduled Start/Stop of Devices	◆	◆	◆	◆	◆
System Configuration Restore Points	-	◆	◆	◆	-
Export and import of configuration data	-	◆	◆	◆	-
Adaptable application behavior	-	◆	◆	◆	-
Configure					
Basic Event Rule System	◆	◆	◆	◆	-
Advanced Event Rule System	-	-	-	-	◆
Multiple Time Profiles	-	-	-	-	◆
Automatic Device MAC Address Registration	-	-	-	-	◆
Online Activation	-	-	-	-	◆
Offline Activation	◆	◆	◆	◆	◆
Viewing clients					
Max. Number of Clients	5	5	Unlimited	Unlimited	Unlimited
Customizable Access Port	◆	◆	◆	◆	◆
Support NAT Firewalls	◆	◆	◆	◆	◆
Multicast Support	-	-	-	-	◆
Local Proprietary Account Database Support	◆	◆	◆	◆	-
Local Windows Account Database Support	◆	◆	◆	◆	◆

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XProtect Comparison Chart July 2010

Feature difference compared to lower product		XPES 1.0 compared to XPB+ 6.5	XPP 7.0 compared to XPES 1.0	XPE 7.0 compared to XPP 7.0	XPCO 3.1 compared to XPE 7.0
Product Name & version	**XProtect Basis+ 6.5**	**Xprotect Essential 1.0**	**XProtect Professional 7.0**	**XProtect Enterprise 7.0**	**XProtect Corporate 3.1**
Microsoft Active Directory Support	-	-	-	◆	◆
Smart Wall Application Add-On[1]					
Supports Smart Wall video wall add-on	-	-	-	-	◆
Number of Smart Walls and Smart Wall displays	-	-	-	-	Unlimited
Number of concurrent video streams	-	-	-	-	Unlimited
Maximum number of video streams per display					100
Presets for display layouts and camera content	-	-	-	-	◆
Rule based control of layout and content	-	-	-	-	◆
User control of layout and content	-	-	-	-	◆

We reserve the right to change specifications without prior notice.

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XProtect Comparison Chart July 2010

Feature difference compared to lower product		XPES 1.0 compared to XPB+ 6.5	XPP 7.0 compared to XPES 1.0	XPE 7.0 compared to XPP 7.0	XPCO 3.1 compared to XPE 7.0
Product Name & version	**XProtect Basis+ 6.5**	**Xprotect Essential 1.0**	**XProtect Professional 7.0**	**XProtect Enterprise 7.0**	**XProtect Corporate 3.1**
Alerting and Notification					
Alert at Camera Com. Failure	◆	◆	◆	◆	◆
Alert at Disk Full	◆	◆	◆	◆	◆
E-mail Notification	◆	◆	◆	◆	◆
SMS Notification	-	-	◆	◆	-
Multiple Notification Profiles	-	-	-	-	◆
SNMP Notification	-	-	-	-	◆
Logging					
System Logging	◆	◆	◆	◆	◆
Event Logging	◆	◆	◆	◆	◆
Audit Logging	◆	◆	◆	◆	◆
Rule Logging	-	-	-	-	◆
Alert Logging	-	-	-	-	◆
Languages (Installation and UI. Help system and in English					
Danish	◆	◆	◆	◆	-
Chinese (Simplified)	◆	◆	◆	◆	-
English	◆	◆	◆	◆	◆
French	◆	◆	◆	◆	-
German	◆	◆	◆	◆	-
Italian	◆	◆	◆	◆	-
Japanese	◆	◆	◆	◆	-
Spanish	◆	◆	◆	◆	-

milestone

Access Client	XProtect Remote Client					XProtect Smart Client				
Current Client Version	**3.5**	**3.6**	**3.6**	**3.6**	**3.6**	**3.6**	**5.0**	**5.0**	**5.0**	**5.0**
XProtect Platform	**XPB+**	**XPES**	**XPP**	**XPE**	**XPCO**	**XPB+**	**XPES**	**XPP**	**XPE**	**XPCO**
Live view										
Number of view layouts			7			15	32	32	32	32
Max View Items Per View			16			64	100	100	100	100
Optimized view layouts for 4:3 and 16:9 display rations			-			-	◆	◆	◆	◆
Cameras from multiple servers	-	-	-	◆	◆	-	-	-	◆	◆
Server-based Groups and Views			◆					◆		
Shared views			◆					◆		
Private views			◆					◆		
Smart Wall views [1]			-			-	-	-	-	◆
Images in views			◆					◆		
Active HTML pages in views			◆					◆		
Hide HTML Toolbar			-					◆		
Hotspot in views			-					◆		
Carousel in views			-					◆		
Controllable Carousel			-			◆	◆	◆	◆	◆
Virtual Matrix in views			-			-	◆	◆	◆	◆
Overlay buttons			-			-	◆	◆	◆	◆
Full screen mode						-	◆	◆	◆	◆
Display views as floating window			-			-	-	◆	◆	◆
Display views on multiple monitors			-			-	-	◆	◆	◆
Automatic Restore Views and Windows at Login			-					◆		
Update On Motion Only			-					◆		
One-way Audio support			-					◆		
Two-way Audio Support			-			-	-	◆	◆	◆
Audible alerts by VMD or event			-					◆		
Start Recording in View			-			◆	◆	◆	◆	-
Independent playback in live mode			-			-	◆	◆	◆	◆
Change Camera Online in View			-					◆		
Send Camera to Virtual Matrix			-			-	-	◆	◆	◆
Copy image to clipboard			-					◆		
Assign commands to keyboard shortcuts and joystick buttons			-					◆		
Switch to Camera by Number			-					◆		

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XProtect Comparison Chart July 2010

Access Client	XProtect Remote Client					XProtect Smart Client				
Current Client Version	3.5	3.6	3.6	3.6	3.6	3.6	5.0	5.0	5.0	5.0
XProtect Platform	XPB+	XPES	XPP	XPE	XPCO	XPB+	XPES	XPP	XPE	XPCO
PTZ Support										
Manual mode			♦					♦		
Point and click control			♦					♦		
Zoom into marked rectangle			♦					♦		
Zoom using mouse wheel			♦					♦		
Digital zoom			-					♦		
Goto Preset Positions			♦					♦		
Pause patrolling at Manual Operation	-	-	♦	♦	♦	-	-	♦	♦	♦
Grandeye 360° Quad View			♦					♦		
Joystick support			♦					♦		
Auxiliary Commands (wash and wipe)			-			♦	♦	♦	♦	-
I/O and Events										
Manually activate events			♦					♦		
Manually trigger outputs			♦					♦		
Playback										
Max View Items Per View			16			64	100	100	100	100
Motion Search			♦					♦		
Time/Date Search			♦					♦		
			-			-	-	♦	♦	♦
Independent playback in playback mode			-			-	♦	♦	♦	♦
Event list in Recording			♦					♦		
Event Preview Window			-					♦		
Graphical Timeline			-					♦		
Adjust Playback Speed			♦					♦		
Single Step			♦					♦		
One-way Audio support			-					♦		
Two-way Audio support			-			-	-	♦	♦	♦
Digital zoom			-					♦		
Print Image			♦					♦		
Print Report w/Comments			♦					♦		
Sequence Explorer										
Listing of Sequences			-			-	♦	♦	♦	♦
Listing of Time Intervals			-			-	♦	♦	♦	♦

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Access Client	XProtect Remote Client					XProtect Smart Client				
Current Client Version	3.5	3.6	3.6	3.6	3.6	3.6	5.0	5.0	5.0	5.0
XProtect Platform	XPB+	XPES	XPP	XPE	XPCO	XPB+	XPES	XPP	XPE	XPCO
Map Function										
Standard graphical file formats supported for import of maps			-			-	-	-	-	◆
Number of linked map layers supported			-			-	-	-	-	Unlimited
Video preview at mouse over			-			-	-	-	-	◆
Integrated control of speakers, microphones and I/O devices			-			-	-	-	-	◆
Drag-and-drop and point-and-click definition of system components and hotzones			-			-	-	-	-	◆
Integrated PTZ control			-			-	-	-	-	◆
Real-time system integrity overview and system performance			-			-	-	-	-	◆
Smart Wall Application Add-On[1]										
User control of layout and content			-			-	-	-	-	◆
Local subscription to Smart Wall views for local display			-			-	-	-	-	◆

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Access Client	XProtect Remote Client					XProtect Smart Client				
Current Client Version	3.5	3.6	3.6	3.6	3.6	3.6	5.0	5.0	5.0	5.0
XProtect Platform	XPB+	XPES	XPP	XPE	XPCO	XPB+	XPES	XPP	XPE	XPCO
Export										
Export as JPEG			◆					◆		
Export as AVI			◆					◆		
Export AVI w/Audio			-			-	-	◆	◆	◆
Export as Native Database			-			-	-	◆	◆	◆
Encryption Export w/password			-			-	-	◆	◆	◆
Auto-Export of Viewer			-			-	-	◆	◆	◆
Communication										
Connect to Multiple Servers	-	-	-	◆	◆	-	-	-	◆	◆
Installation										
Run without Installation			◆					-		
Initial and update installations from Management Server (Image Server in XPE)			◆					◆		
Notify about new Updates			-					◆		
Authentication										
Basic User			◆			◆	◆	◆	◆	-
Windows User (Local Database)			◆					◆		
Windows User (Active Directory)	-	-	-	◆	◆	-	-	-	◆	◆
Auto-Login			-					◆		
Authorization										
Restrict user access by devices (cameras, microphones, I/O devices, etc,)			◆					◆		
Restrict access to live view			◆					◆		
Restrict access to PTZ			◆					◆		
Restrict access to playback			◆					◆		
Restrict access to export			◆					◆		
Restrict access to setup			◆					◆		
Personalization										
Application options			-			-	◆	◆	◆	◆

milestone

Access Client	XProtect Remote Client					XProtect Smart Client				
Current Client Version	**3.5**	**3.6**	**3.6**	**3.6**	**3.6**	**3.6**	**5.0**	**5.0**	**5.0**	**5.0**
XProtect Platform	**XPB+**	**XPES**	**XPP**	**XPE**	**XPCO**	**XPB+**	**XPES**	**XPP**	**XPE**	**XPCO**
Languages (Installation, UI and Help function)										
Arabic			-					◆		
Chinese (Simplified)			◆[2]					◆		
Chinese (Traditional)			-					◆		
Czech			-					◆		
Danish			◆[2]					◆		
Dutch			-					◆		
English			◆					◆		
Finnish			-			-	◆[2]	◆[2]	◆[2]	◆[2]
French			◆[2]					◆		
German			◆[2]					◆		
Hungarian			-			-	◆[2]	◆[2]	◆[2]	◆[2]
Italian			◆[2]					◆		
Japanese			◆[2]					◆		
Korean			-					◆		
Polish			-					◆		
Russian			-					◆		
Slovakian			-					◆[2]		
Spanish			◆[2]					◆		
Swedish			◆[2]					◆		
Turkish			-					◆		

Notes:
XPB+: XProtect Basis+
XPES: XProtect Essential
XPP: XProtect Professional
XPE: XProtect Enterprise
XPCO: XProtect Corporate

1: Smart Wall subject to separate application license

2: Only UI is localized; user's manual and help not available

milestone