

Pelco Digital Video Recorders Comparison Matrix

	DX4000	DX4500	DX4600	DVR5100	DX8100
GENERAL					
Camera Inputs	4	8, 16	8, 16	4, 8, 16	8, 16, 24, 32
Looping	Yes	Yes	Yes	Yes	Yes
Operating System	Embedded	Embedded	Embedded	Linux®	Windows®XP Embedded
Alarm Inputs	4	8, 16	8, 16	4, 8, 16	8, 16, 24, 32
Relay Outputs	1	2	4	2, 4	8, 16, 24
Audio Inputs	4	2	4	2, 4	2 Standard; 8, 16, 24, 32 Optional
PTZ Control	RS-422	RS-422	RS-422	Coaxitron, RS-422	Coaxitron, RS-422
Third-Party Dome Protocols	No	Yes	Yes	No	Yes
Presets, Patterns & Tours	Yes	Yes	Yes	Yes	Yes
ATM/POS Support	No	No	No	No	Yes
Monitor Outputs	1 VGA, 1 S-Video, 1 Composite; 1 Spot	1 VGA or 1 Composite; 1 Spot	1 VGA or 1 Composite; 1 Spot	1 VGA, 1 S-Video, or 1 Composite; 1 Spot	1 XVGA, 1 Analog per each 16 Cameras
Archive Device	USB or CDRW	USB or CDRW/DVDRW	USB or CDRW/DVDRW	USB or DVDRW	USB or DVDRW
Front Panel Controls	Yes	Yes	Yes	Yes	Yes (mouse)
Remote Control	Yes	Yes	Yes	No	No
Keyboard Support	No	No	No	KBD5000, USB Keyboard	KBD300A, USB Keyboard
Multilingual Support	No	Yes	Yes	No	Yes
DISPLAY OPTIONS, LIVE					
NTSC/PAL Switchable	Yes	Yes	Yes	Yes	Yes
Camera Display	1, 4	1, 4, 6, 8, 9, 16	1, 4, 6, 8, 9, 16	1, 4, 9, 16	1, 4, 6, 9, 10, 13, 16, 25, 36
Digital Zoom	No	No	No	No	Yes
DISPLAY OPTIONS, PLAYBACK					
Camera Display	1, 4	1, 4, 9, 16	1, 4, 9, 16	1, 4, 9, 16	1, 4, 6, 9, 10, 13, 16, 25, 36
Digital Zoom	No	Yes	Yes	No	Yes
FUNCTION					
Maximum Record Rate CIF	120 ips NTSC, 100 ips PAL	8-CH: 120 ips NTSC, 100 ips PAL; 16-CH: 240 ips NTSC, 200 ips PAL	8-CH: 240 ips NTSC, 200 ips PAL; 16-CH: 480 ips NTSC, 400 ips PAL	480 ips NTSC, 400 ips PAL	480 ips NTSC, 400 ips PAL
Maximum Record Rate 2CIF	60 ips NTSC, 50 ips PAL	8-CH: 60 ips NTSC, 48 ips PAL; 16-CH: 120 ips NTSC, 96 ips PAL	8-CH: 120 ips NTSC, 100 ips PAL; 16-CH: 240 ips NTSC, 200 ips PAL	480 ips NTSC, 400 ips PAL	240 ips NTSC, 200 ips PAL
Maximum Record Rate 4CIF	30 ips NTSC, 25 ips PAL	8-CH: 30 ips NTSC, 24 ips PAL; 16-CH: 60 ips NTSC, 48 ips PAL	8-CH: 60 ips NTSC, 48 ips PAL; 16-CH: 120 ips NTSC, 96 ips PAL	480 ips NTSC, 400 ips PAL	120 ips NTSC, 100 ips PAL
Alarm, Motion, Continuous, Scheduled Recording Modes	Yes	Yes	Yes	Yes	Yes, including ATM/POS
Pre-Alarm	Yes, 5 seconds	Yes, 5–60 seconds	Yes, 5–60 seconds	Yes, 1–1440 minutes	Yes, 1 minute standard; 15 minutes with memory upgrade
Video Motion Detection	Yes	Yes	Yes	Yes	Yes
Image Authentication	Yes	Yes	Yes	Yes	Yes
Hard Drive Options, Internal	160 GB–500 GB	250 GB–1.5 TB	250 GB–3 TB	250 GB–1.5 TB	250 GB–3 TB
Hard Drive Options, External	None	None	None	None	3.5 TB with DX9200HDDI
RAID Storage	No	No	No	No	Yes, with DX9200HDDI RAID 5 with optional Hot Spare
Storage Optimization	None	None	None	EnduraStor™	None
REMOTE					
PC Remote Client	Yes	Yes	Yes	Yes	Yes
Multicasting	No	No	No	No	Yes, Layer 2
View Live	Yes	Yes	Yes	Yes	Yes
Playback	Yes	Yes	Yes	Yes	Yes
E-mail on Alarm	No	Yes	Yes	Yes	Yes
PTZ Control	Yes	Yes	Yes	Yes	Yes
Remote Administration	Yes	Yes	Yes	Yes	Yes
Web Browser	Live View	Live View	Live View	No	Live View, PTZ
PDA Client	No	No	No	No	Live View
SYSTEM COMPATIBILITY					
	None	None	None	Endura Enabled™, X-Portal	VMX300, X-Portal

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