Feature	PolyVision	Kalatel	ImageVault	Samsung Digital Watchdog	OpenEye
Type of system	PC-Embedded	MUX	PC	PC; video system sourced from overseas (no local engineering); same product as Open Eye and many others	PC; video system sourced from overseas (no local engineering); same product as Samsung Digital Watchdog and many others
Operating system	Linux	Embedded	Win98	Win2000	Win2000
Compression type	H.263	Wavelet	Wavele	MJPEG-Cubic	MJPEG
Warranty	1years parts and labor	3 years; replacements are with refurbished equipment (after 45 days from date of purchase); advance replacement fee is $100	3 years on parts; 1 year on labor	1 year parts and labor; replacements are with refurbished product	18 months
Image file size (avg)	2KB	14.25KB (medium quality)	12KB (medium quality)	3KB	5KB
Watermark required to prove authenticity?	No	Yes	No	Yes	Yes
Archive days @ 180GB with 16 cameras (continuous recording)	15days @ 72fps recording	9.14 days @ 1fps per camera	Continuous recording discouraged; 11 days @ 1fps per camera	43 days @ 1fps per camera	26 days @ 1fps per camera
Maximum video archive size	500GB	320GB	480GB	80GB; use external storage to increase archive	840GB
Auto-recovery from power loss	Yes	Not specified	Not specified	Yes	No
Total FPS	60fps viewing;72 total FPS recording	60fps recording	16fps recording	480fps viewing; 240fps recording	480fps viewing; 240fps recording
Bandwidth required for 32	DSL or Cable Modem	3.65mbps (2 T1s)	3mbps (2 T1s)	768kbps (high-end DSL or fractional-T1)	1.28mbps (T1)

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fps transmission					
Audio recording	Fully integrated and synchronized with video	Separate G.711 audio encoding; not integrated or synchronized with video clips	Separate .WAV file; not integrated or synchronized with video clips	Separate .WAV file; not integrated or synchronized with video clips	Separate .WAV file; not integrated or synchronized with video clips
Remote listen to server (live)	Yes	No	No	No	No
Remote talk to server (live)	Yes	No	No	No	No
POS/ATM search	No	Keyword; search for text strings only; no database	Keyword; manually associate registers w/cameras	Database-driven; must use Windows Task Bar to access POS/ATM search dialog screen	Database; searches by POS/ATM transaction number; no indication of transaction type or SKU
POS/ATM text insertion	Yes	No	No	Yes	Yes
Maximum POS connections	Not available	1 RS232 port available for register support	8 registers requires optional factory configuration	16	16
Ease of Use	Very easy to use	MUX interface; very complex manipulation of knobs and dials to configure unit and search video; WaveReader video search not intuitive	Complex menus for configuration and searching video	Complex menus; several steps to set up playback search	Complex menus; several steps to set up playback search
CD archive	Follow simple instru to back up to CD	CD-RW accessory (optional); complex sequence to create CD; CD creation using WaveReader requires separate	Complex sequence to create CD	Complex sequence to select video for backup to CD; no audio recording support in Backup utility	Complex sequence to select video for backup to CD; no audio recording support in Backup utility

		QuickWave program and multiple steps to locate and copy clip file to CD (requires Windows user skills)			
PTZ support	15 Brand name PTZ camera such as Sony, Pelco, Dynacolor, Kalate, custom PTZ cameras	Requires DVR connected to ProBridge PTZ controller (optional hardware); PTZ control over modem is "very sluggish" and only preset camera positions are recommended	Optional; 1 PTZ per DVR; Pelco and Panasonic only; supports preset tours only; camera controller hardware required for programming	Multiple models supported (not specified); limited to 1 PTZ per DVR	30 models included; software controlled; limited to 1 PTZ per DVR
Multi-screen playback	Auto and full sync	Initial auto-synchronization, but cameras will "drift" out of synch over time and require re-synchronizing by reinitializing playback search	Manual loading and synchronization of multi-camera images	Manual loading and synchronization of multi-camera images	Manual loading and synchronization of multi-camera images
Motion zones on camera	300	256	64	5	5
Remote administration	100% admin via	Partial remote administration over POTS modem; must be local using Ethernet (LAN) to administer DVR	None	100% remote administration using Remote software	100% remote administration using Remote software
Remote viewing	Easy access	Use WaveReader to view live images	Use IVPlay to view remote images; some	Manual selection of cameras for remote viewing	Manual selection of cameras for remote viewing

		and to search and playback video remotely; works for high bandwidth (LAN) connections and low bandwidth (POTS modem) connections; no support for affordable broadband (DSL or cable modem)	images skipped due to bandwidth conservation; camera must be recording to view live; multi-camera viewing controlled and synchronized manually		
Remote multi-site viewing	Easy access	Multi-site capability in WaveReader available only with Ethernet (LAN) connections	No	No	No
Remote audio	Talk and listen to server, download integrated movies	Audio files can be downloaded and played back remotely along with video (separate files)	Audio recordings stored in separate 10 second segments	Requires manual association of audio with a particular camera; no synchronization of audio with view recording	Requires manual association of audio with a particular camera; no synchronization of audio with view recording
Remote full motion clip download	One click download	Wavelet image files are grouped in .60d format for bulk download and playback	Manual time synchronization of multiple image files from client	Manually select time range and download individual image files for archiving to hard drive or removable media	Manually select time range and download individual image files for archiving to hard drive or removable media
Remote event notification	Email w/attached picture	Email notification to 2 users; no attached video; IP notification	None	Connect to remote client (Emergency Agent)	Connect to remote client (Emergency Agent)
3rd-party clip playback	Standard Media Player	Use QuickWave; requires Windows	Install IVPlay first, then view clips	Backup Viewer burned to CD along with video clips	Install Backup Viewer and Watermark Viewer (to verify

		user skill to manipulate and store .60d files			authenticity)
Looping output	No	Yes	No	Yes	Yes
Spot monitor	**No**	Yes	One per capture card	Yes	No
Transaction reports	No	No	No	No	No
Smart Search	**No**	Motion search requires complex manipulation of knobs and dials to set up; WaveReader (remote) does not include motion search capability	No	Object Search is cumbersome to set up	Object Search is cumbersome to set up
Ease of installation and setup	Very Easy	Complex knobs and dials on DVR unit; remote administration only possible using LAN connection	Must set up complex motion recording to conserve video archive; POS recording based on complex "rules" programming	Well-organized menus; network and dial-up setup is manual (must configure Windows)	Well-organized menus; network and dial-up setup is manual (must configure Windows)
Hidden camera	Yes	Yes	Yes	No (in Samsung's version of the product, user administration is distributed throughout the product, and Hidden Camera function is dropped)	Yes
Record to network storage	Optional	No	No	No	No
Archive to	Auto back up	No (SCSI or	No	No	No

network storage		(Firewire only)			
Maximum concurrent users	Depends	Not specified	1	Not specified	5
Small footprint chassis (for retail, c-mart, home, and small business applications)	Depends on what case the system instal	No	No	No	No
Web interface	Simple and easy to navigate	Full Web interface; requires ActiveX controls on Browser client	Requires special software on customer's Web server	IDVR Web interface; must install Apache Web Server on DVR to use (cannot send images to a network attached dedicated Web Server); requires ActiveX controls on Browser client	IDVR Web interface; must install Apache Web Server on DVR to use (cannot send images to a network attached dedicated Web Server); requires ActiveX controls on Browser client