Ernitec Feature List

for EVR software release 6.4

Updated on 29.08.2013

Product Name/Version	PRO	Enterprise	Options
EVR SERVER			
Multi-disk non-fragmenting recording	√	√	√
Modified RAID 0 for fault tolerance - continuous recording even after disk failure	√	√	√
NAS recording option	√	√	√
Archive schedule	X	√	√
NAS archive option	X	√	√
I/O Management	√	√	√
Alarm management	√	√	√
Pre/post event recording	√	√	√
Min/Max Video Retention	√	√	√
Unlimited video retention	√	√	√
Recorder health check and event generation (watchdog)	√	√	√
Watchdog event delivery via email, digital I/O	√	√	√
Watchdog event integration via TCP, SMTP, SMS	X	X	√
MJPEG Support for IP cameras*	√	√	√
MPEG4 Support for IP cameras*	√	√	√
H.264 Support for IP cameras*	√	√	√
Automatic camera finder*	√	√	√
Camera search and identification based on IP address	√	√	√
Edge storage synch support for IP cameras*	√	√	√
Multi-streaming support for IP cameras*	X	√	√
Direct analogue video Input (with compatible capture card)	√	√	√
Analogue PTZ protocols: Bosch, Dynacolor, Hitron, JVC, Lobeco, Panasonic, Pelco P/D, Samsung, Sensormatic, Videoalarm, VistaVK/VZM	√	√	√
Analogue Matrix support: Bewator, Pelco CM6700, 6800, 9700	X	√	√
Analogue audio recording	X	√	√
IP audio recording*	X	√	√
Two-way IP audio*	X	√	√
Recorder chaining (capture through gateway)	√	√	√
Multicasting support for local live-viewing	√	√	√
Independently configurable remote live-viewing stream for IP cameras*	X	X	√
Master/slave servers	X	√	√
Centralized management for all servers in system	X	√	√
Number of recorders per single system	1	5	up 1o 100
Max number of cameras per recorder	50	64	64
Instant device replacement using original IP address	√	√	√
seamless migration from analog to IP camera, without need for license change	√	√	√
Upgrade via licence key	√	√	√
Automatic client application update to latest version	√	√	√
Centralized camera driver update to all servers in the system	√	√	√
Centralized server software update to all servers in the system	X	√	√
Configuration settings backup	√	√	√
Restoring settings to same server	√	√	√

Product Name/Version	PRO	Enterprise	Options
Restoring settings to a different server (copy, cold-standby failover)	√	√	√
Automatic Ernitec Flash Backup & Restore	√	√	√
* only available for select cameras*			
User Management			
Max number users per single system	5	10	up 1o 100
Muti-level user management	√	√	√
Controlling access to workstation client UI functions per user	√	√	√
Device and alarm allocation per user	√	√	√
Map allocation	X	√	√
Device access and use control	√	√	√
Active Directory Integration	X	X	√
User password control	√	√	√
Enable/Disable user	√	√	√
User activity audit-trail database and reporting	X	X	√
Camera Management			
Enable/disable camera	√	√	√
Resolution (depending on camera capabilities)	√	√	√
Frame rate (depending on camera capabilities)	√	√	√
High-framerate camera support (up to 60fps)	√	√	√
Quality (depending on camera capabilities)	√	√	√
Different stream settings for recording and viewing (depending on camera capabilities)	X	X	√
System load management	√	√	√
Reference image	√	√	√
Fully customisable motion detection masks	√	√	√
Advanced Video Motion Detection (adaptive/hermeneutic)	√	√	√
IP camera auto-finder and auto-discovery	√	√	√
IP camera* based Video Motion Detection	√	√	√
Fully customizable Privazy Zones*	√	√	√
Camera recording schedules	√	√	√

Product Name/Version	PRO	Enterprise	Options
Text Data Management			
Multiple transport protocol support - Serial, UDP, TCP, HTTP, RTSP	X	√	√
Plain text captiure	X	√	√
Structure data (XML) capture, validation	X	√	√
Custom event generation from received data	X	√	√
Audio Management			
Enable/disable audio recording	X	√	√
Delay offset for audio/video synchronisation	X	√	√
Audio compression selection	X	√	√
Audio detection thresholds	X	√	√
Audio recording schedules	X	√	√
Digital I/O Management			
Configure active state/polarity	√	√	√
Set current physical state (open/closed)	√	√	√
IP camera I/Os (depends on camera manufacturer)	√	√	√
MOXA I/O device driver	√	√	√
Virtul I/O device drivers (loopback I/O, output as message/application)	√	√	√
Alarm Management			
VMD Trigger	√	√	√
I/O Trigger	√	√	√
Audio Trigger	√	√	√
Text channel trigger	√	√	√
Unlimited alarm creation	√	√	√
Alarm action VMD	√	√	√
Alarm action I/O	√	√	√
Alarm action audio recording	√	√	√
Alarm action camera configuration	√	√	√
Alarm action audio alert	√	√	√
Alarm action PTZ preset	√	√	√
Alarm action send email	√	√	√
Multiple alarm actions	√	√	√
Alarm database	X	X	√
Alarm reporting	X	X	√
Alarm priority	√	√	√
Acknowledge alarm status	√	√	√
Alarm schedules	√	√	√
Manual alarm activation/ disabling	√	√	√
Alarm sender plug-in interface in SMServer	X	X	√
Storage Management			
Add/remove disks	√	√	√
Define NAS	√	√	√
Set min/max record storage	√	√	√
Automatic video, audio and text deletion	√	√	√
Auto-Archive Management			
Set archive location (local/network)	X	√	√
Set archive schedule (daily/weekly)	X	√	√
System Logs			

Product Name/Version	PRO	Enterprise	Options
Comprehensive system log information (including users, devices etc)	√	√	√
System performance monitoring	√	√	√
Device storage information	√	√	√
Log file export	√	√	√
EVR VCA			
Integration with 3rd party video analytics via XML	X	X	√
Video analytics metadata SQL database	X	X	√
Object tracking for visualization/ auto-zoom	X	X	√
People/ vehicle counting	X	X	√
Tamper detection	X	X	√
Camera shake elimination	X	X	√
Object classification and filtering	X	X	√
Zone presence, enter/ exit, appear/ disappear	X	X	√
Speed filter	X	X	√
Direction filter	X	X	√
Dwell	X	X	√
Tailgating	X	X	√
EVR ANPR+			
Fully integrated ANRP engine	X	X	√
Web-based license plate list management application	X	X	√
Separate user management from DVMS, to enable "self-service" model	X	X	√
Flexible access rules for permanent users, visitors	X	X	√
Log of latest activities of a license plate	X	X	√
License plate information collection to metadata SQL database	X	X	√
Country code recognition	X	X	√

Product Name/Version	PRO	Enterprise	Options
EASYMON CLIENT APPLICATION			
User authentication based on central management control	X	√	√
User authentication based on Active Directory	X		√
Multi-site/recorder connections	X	√	√
Drag/drop device into view	√	√	√
Automatic camera placement and sizing in view	√	√	√
Live View	√	√	√
Virtual cameras with digital zoom, for areas-of-interest	√	√	√
Dome camera (PTZ) control	√	√	√
Free crop-ratio for optimized screen resolution support	√	√	√
Auto-track and zoom to VCA objects	X	X	√
Highligh VCA objects and trails	X	X	√
Seamless playback access straight from Live View	√	√	√
VHS style playback control buttons	√	√	√
Playback slider for controlling playback direction/ speed	√	√	√
Time and activity search buttons	√	√	√
Scalable time-slider for direct access to desired time in recorded footage	√	√	√
Visual activity search with time-slider	√	√	√
Still image printing	√	√	√
Still image export	√	√	√
Sequence export time selection using time-slider	√	√	√
Multi-camera sequence export	√	√	√
Live/Recorded device view grouping (with auto-time synch) in tabs	√	√	√
Multi-tab access to different device groups	√	√	√
Multi-monitor suport through individual tabs	√	√	√
Full screen viewing of all cameras in group, with no additional items visible on screen	√	√	√
Controlling the size of all control elements in the UI	√	√	√
Customisable user layouts	√	√	√
Multi-layout save feature	√	√	√
Device tree grouping	√	√	√
Device status information (connected/no-connection/connecting)	√	√	√
Customisable device icons	√	√	√
User language selection	√	√	√
User password change	√	√	√
HTTP API for 3rd party applications to activate a specific layout	√	√	√
Quick access to functions using keyboard shortcuts	√	√	√
Max viewable devices	50	64	64
Max devices in synchronised playback	8	16	16
WORKSTATION - CLIENT APPLICATION			
User authentication based on central management control	X	√	√
User authentication based on Active Directory	X	X	√
Auto-application start on system start-up	√	√	√
Auto-user login	√	√	√
Auto-workstation lock	√	√	√
Manual-workstation lock	√	√	√
Live View	√	√	√

Product Name/Version	PRO	Enterprise	Options
User language selection	√	√	√
User password change	√	√	√
Customisable user layouts	√	√	√
Multi-layout save feature	√	√	√
Multi-site/recorder connections	X	√	√
Device tree grouping	√	√	√
Customisable device icons	√	√	√
Drag/drop device into view	√	√	√
Multiple virtual device windows from same camera	√	√	√
Pre-configured virtual matrix layouts (up to 4x4)	(up to 8 camera	√	√
Customisable double-click primary action cameras (real-time/playback)	√	√	√
Customisable double-click primary action I/O (on or off/pulse)	√	√	√
Live/Recorded device view grouping (with auto-time synch)	√	√	√
Device status information (connected/no-connection/connecting/recording/alarm)	√	√	√
Max viewable devices	50	64	64
Max devices in synchronised playback	8	16	16
Real Time Video & Audio			
Show reference image	√	√	√
Image tools - digital zoom, brightness, contrast, rotate etc	√	√	√
Identify camera/microphone on map	X	√	√
Programmable tours	√	√	√
Dome PTZ controls (see PTZ)	√	√	√
Image clipboard	√	√	√
Analogue local monitoring directly from recorder, with customisable layout	X	√	√
Playback Video & Audio			
Time based search	√	√	√
Activity search based on activity/time graphs (min/hour/day/week)	√	√	√
Motion search, with dynamic area/time parameters and sensitivity tools	√	√	√
Bookmark video/audio	√	√	√
Text Data			
Live text view	X	√	√
Play-back text view	X	√	√
Time based search	X	√	√
Activity search	X	√	√
Text search based on event type	X	√	√
Boolean text search	X	√	√
Drag-drop text and video auto-synchronise	X	√	√
Bookmark text	X	√	√

Product Name/Version	PRO	Enterprise	Options
Audio Communications			
Two-way audio communications	X	X	**√ IP and analog**
Push button to talk	X	X	**√ IP and analog**
Live audio listening	X	X	√
Audio playback	X	X	√
Time based search	X	X	√
Activity search	X	X	√
Multi-layer Maps			
Highlighted icon on alarm	X	√	√
Click device on map to automatically show	X	√	√
Right click device to view in playback	X	√	√
Multi-level maps	X	√	√
Export			
Save Image JPEG	√	√	√
Print Image	√	√	√
Print text data	√	√	√
Save clip/audio/data ASF format (Windows Media Player compatible)	√	√	√
ASF watermarking feature	√	√	√
Ernitec Media Player (for ASF files) included in export	√	√	√
Save clip fast export AVI format	√	√	√
Save clip fast export Matroska (MKV) format	√	√	√
Format CD/DVD	√	√	√
Archive			
Manual archive creation	X	√	√
Password protect archive	X	√	√
Device/recorder selection	X	√	√
Open archive	X	√	√
Delete archive	X	√	√
Video Output			
Show analogue video on recorder connected analogue monitor	X	√	√
Programmable camera tours	X	√	√
Start/stop tour	X	√	√
Digital I/O			
Click/double-click icon to change state (on/off/pulse)	√	√	√
Show on map	√	√	√
Alarms			
Alarm list	√	√	√
Alarm list manage views (priority/time/name/trigger)	√	√	√
Examine alarms from alarm list	√	√	√
Video screen-pop	√	√	√
Multi-video screen-pop	√	√	√
Full control of video screen-pop window and size	√	√	√
Map alarm display	√	√	√
Auto-close screen-pop after alarm	√	√	√
Active alarm acknowledge	√	√	√

Product Name/Version	PRO	Enterprise	Options
Alarm search	√	√	√
PTZ			
Add/remove pre-set positions	√	√	√
Go to pre-set positions	√	√	√
Add/remove pre-set patrols	√	√	√
Stop/start pre-set patrols	√	√	√
Advance/reverse pre-set patrols	√	√	√
PTZ reservation one user at a time	√	√	√
PTZ priority	√	√	√
On-screen PTZ controls	√	√	√
USB PTZ controls	√	√	√
Pelco KBD-300A support	√	√	√
WEBCLIENT - BROWSER CLIENT (Java)			
Video scaling to reduce bandwidth	√	√	√
Native recording format	√	√	√
Device drag/drop or double-click into view	√	√	√
Live view	√	√	√
Playback view	√	√	√
Time based search	√	√	√
PTZ control	√	√	√
Bandwidth management	√	√	√
I/O Control	√	√	√
User authentication based on central management server	√	√	√
Ernitec EVR GO - MOBILE CLIENT			
iPhone Support	√	√	√
iPad Support	√	√	√
Android Support	√	√	√
Real Time Video	√	√	√
Playback Video	√	√	√
PTZ control	√	√	√
I/O Control	√	√	√
Digital zoom	√	√	√
Send email with screenshot (iOS only)	√	√	√
EasyMon CLIENT APPLICATION			
Instant access to live/recorder cameras on any monitor	X	X	√
Proactive mutiple alarms	X	X	√
Dispatch recommended actions over the network	X	X	√
Unlimited video channels	X	X	√
Mutiple monitors with 1, 4 , 9 and 16 split screen capabilities	X	X	√
PC mouse and standard CCTV keyboard support	X	X	√
Activate sequence of mutiple commands upon event or time	X	X	√
Digital zoom	X	X	√
EVR REPORTING			
Web based GUI	X	X	√
Report on alarms	X	X	√
Report on VCA events	X	X	√

Product Name/Version	PRO	Enterprise	Options
Report on ANPR+ events	X	X	√
Audit trail reports	X	X	√
Custom reports	X	X	√
Report templates	X	X	√
Bookmark - favourite reports	X	X	√
2D/3D report animations	X	X	√
Export to .csv	X	X	√
SYSTEM MONITOR			
Local/remote system monitoring and alerts	√	√	√
Device connection errors	√	√	√
Hardware temperature errors	√	√	√
Recorder/system connection errors	√	√	√
File system errors	√	√	√
Disk failure	√	√	√
NAS connection error	√	√	√
Security or licence failures	√	√	√
LANGUAGE SUPPORT			
Arabic	√	√	√
Chinese (simplified)	√	√	√
Danish	√	√	√
Dutch	√	√	√
English	√	√	√
Estonian	√	√	√
Finnish	√	√	√
French	√	√	√
German	√	√	√
Hungarian	√	√	√
Icelandic	√	√	√
Italian	√	√	√
Norwegian	√	√	√
Polish	√	√	√
Portugese	√	√	√
Russian	√	√	√
Spanish	√	√	√
Swedish	√	√	√
Thai	√	√	√
OPERATING SYSTEM SUPPORT			
Windows XP 32-bit (not Spotter for Windows -client)			
Windows 7 Pro 64-bit	√	√	√
Windows 2008 Server R2 64-bit	√	√	√
Windows 8 (NVR and client apps, not DVR)	√	√	√
Windows 2012 Server (NVR and client apps, not DVR)	√	√	√
GATEWAY SDK (Java/C#)			
Live video streams	√	√	√
Playback video streams	√	√	√
JPEG or native decompression	√	√	√

Product Name/Version	PRO	Enterprise	Options
Time search	√	√	√
Activity search	√	√	√
Dome control	√	√	√
I/O state/toggle	√	√	√
Recorder events	√	√	√
Alarm monitoring	√	√	√
Alarm acknowledgement	√	√	√
Media export	√	√	√