



Complete Scalable Video Management

DW *spectrum*[®]
IPVMS



Built
for
Users.[™]

DW *DIGITAL WATCHDOG*[®]
Complete Surveillance Solutions

Complete Scable Video Management

DW *spectrum*[®] IPVMS

DW Spectrum™ IPVMS is an elegantly easy cutting-edge approach to video surveillance, addressing the primary limitations of managing enterprise-level HD video while offering the lowest total cost of deployment and ownership on the market.



Cross Platform



Seamless Transition



Customizable Layouts



Forensic Spyglass™



End-to-End Solution



No Annual
Maintenance Fees



Enterprise Scalability

Why DW Spectrum[®] IPVMS?

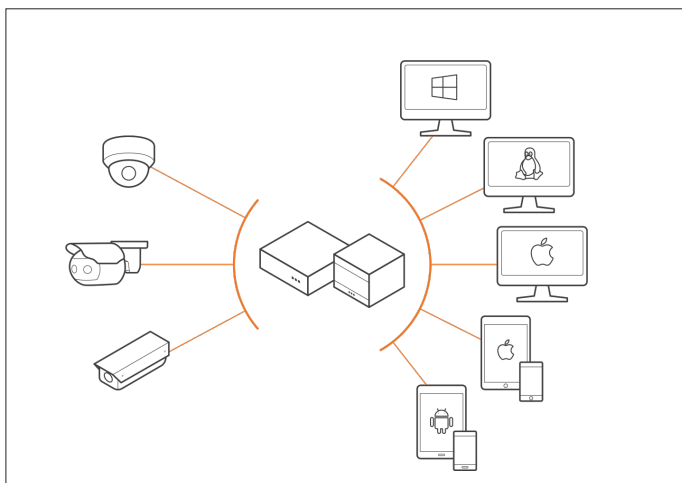
- 1 Open architecture / cross platform.
- 2 Interface is dramatically easier to use.
- 3 Enterprise features are standard.
- 4 Part of a complete end-to-end IP solution.
- 5 Lifetime upgrades included / no annual agreements.
- 6 Scalable from one to thousands of devices.

Why DW Spectrum® IPVMS?

1 Open architecture / cross platform.

Open Architecture

- Now with DW Cloud™, connect from anywhere to share access instantly.
- Now with even more device support.
- Support of thousands of devices including cameras, encoders and I/O modules from leading manufacturers.
- Support cameras at every resolution.
- Built-in API allowing managed video to be accessed and reviewed by any willing 3rd party device.
- Able to integrate with any willing physical access control solution.
- Built-in SDK allowing a 3rd party device to stream into DW Spectrum® IPVMS.
- Built-in HTTP Rest API allowing any 3rd party device to create alarm events in DW Spectrum® IPVMS.
- Able to integrate with any willing video analytic solution.
- Built-in Storage SDK allows developers to read from or write to any storage location.



Cross Platform

- DW Spectrum's recording engine runs on Windows® and Linux® Operating Systems.
- Client software is Windows®, Linux® or Mac® compatible.
- Mobile apps are iOS® and Android® compatible.
- Web client is compatible with Google Chrome®, Firefox®, Safari® and Internet Explorer®.



2 Interface is dramatically easier to use.

Highly refined GUI in v3.0

Viewing Video

- Seamless transitions
- Customizable camera layouts
- Zoom, create regions of interest and enhance images

Searching Video

- Fastest video search in the industry
- Users can bookmark specific video segments

Downloading Video

- Multiple Download options
- Storage Backup

System Programming

- Intelligent high definition multi-streaming video management with no user programming required
- Server and system programming from a single interface

Advanced Features

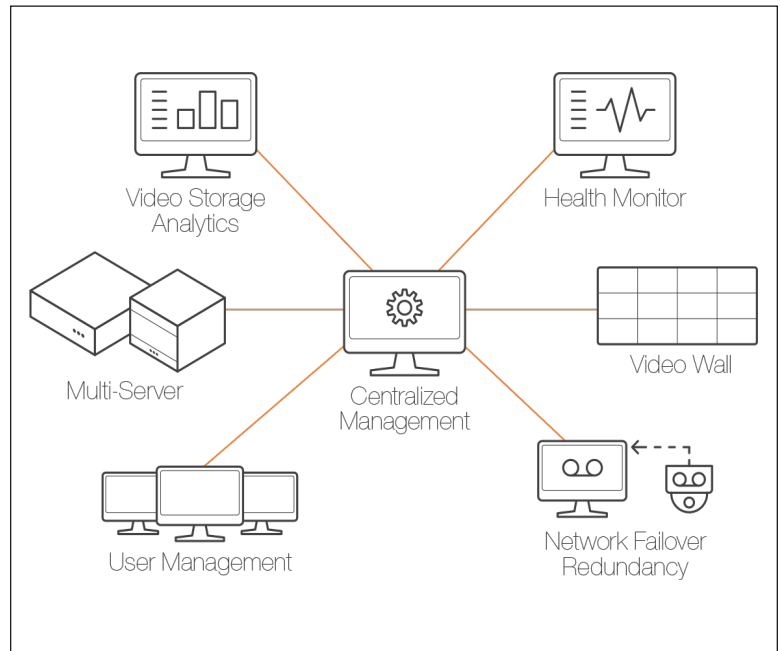
- Interactive mapping, alarms, events/notifications, universal fisheye de-warping from a single interface
- External alarm events can be delivered right from the IP camera or via network I/O modules



Why DW Spectrum® IPVMS?

3 Enterprise features are standard.

- Now with Custom User Role Management, administrators can now create custom roles and share groups of hardware and layouts
- Multi-Server and Centralized Management capability.
- Health Monitor provides system administrators real time insight of camera and server status.
- Video Storage Analytic provides administrators insight into storage requirements each camera is using in real-time and forecasts the impact of additional storage.
- Minimize Video Recording Loss with included Failover to protect video recordings from hardware failures and network interruptions.
- LDAP / Active Directory integration for enterprise wide user management is standard.
- Video Wall users can create and remotely manage remote monitors with just a few clicks.



DW Spectrum® makes enterprise-class management easy to use.

4 Part of a complete end-to-end IP solution.



Although DW Spectrum® IPVMS is open to be deployed on a vast number of solutions. It is also part of Digital Watchdog's complete end-to-end IP solution.

Blackjack®

Servers Powered by DW Spectrum® IPVMS

Preloaded with DW Spectrum® IPVMS, Blackjack® NVRs are optimized for high reliability operation and minimal setup time.



MEGAPIX®

IP Cameras

MEGApix® IP cameras deliver high definition image quality for every application.



Compressor™

Analog to IP Video Encoder

Compressor™ Video Encoders are the easiest way™ to bring existing analog camera investments into the high definition world.



5 Lifetime upgrades included / no annual agreements.



No Annual
Maintenance Fees



While other companies require annual maintenance agreements, DW Spectrum® IPVMS system upgrades are always available.

DW Spectrum® IPVMS **one button up grade capability** allows administrators to perform system wide cross platform upgrades with a click.

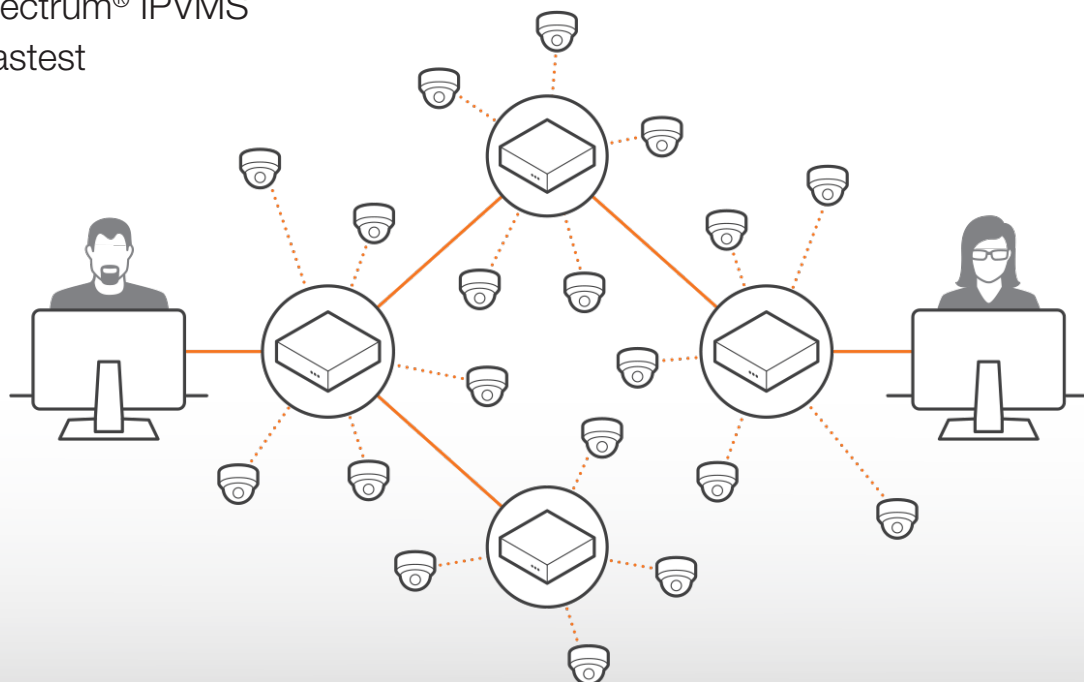
DW Spectrum's lifetime license includes unlimited upgrades.
No maintenance contract is required.

6 Scalable from one to thousands of devices.



Enterprise Scalability

Because of all of the above and DW Spectrum's unified user experience for applications requiring one or thousands of cameras, it is deployed at tens of thousands of locations worldwide, making DW Spectrum® IPVMS the industry's fastest growing VMS on the market today.



DW Spectrum® IPVMS is scalable for from one to thousands of users.

FEATURES:

- Universal fish-eye lens de-warping support..... ✓
- Simplified user/view management..... ✓
- Multi-streaming..... ✓
- Event notifications ✓
- PTZ control and presets ✓
- Motion and alarm indication..... ✓
- Audit trail ✓
- LDAP/Active Directory support ✓

RECORDING, SEARCH AND PLAYBACK

- Hourly configurable per-camera recording schedule ✓
- Flexible recording - continuous, motion only, low-res always + high-res on motion..... ✓
- Server side motion detection ✓
- Pre/Post recording..... ✓
- Per-camera min/max retention..... ✓
- Interactive timeline ✓
- Multi-camera playback ✓
- Scroll search..... ✓
- Calendar search ✓
- Smart pixel search..... ✓
- Thumbnail search ✓
- Preview search ✓
- Event search..... ✓
- Bookmark search ✓
- Multi-camera export ✓
- Export to .AVI or .EXE file..... ✓
- Screen record..... ✓
- Video storage analytics..... ✓
- Rapid Review ✓

ADDITIONAL FEATURES

- E-mail event notification..... ✓
- Audio recording ✓
- Digital input email trigger..... ✓
- Audio output..... ✓
- Alarm management ✓
- Rules engine..... ✓
- Integrated SDK/API ✓
- Video wall..... ✓
- 3rd Party external events - HTTP REST API ✓
- Integrated open API/Video source integration SDK/ storage SDK..... ✓

- Video wall - Push cameras, layouts or entire screens to remote displays ✓
- Max # of cameras per server 128
- Intelligent video stream management of HD images..... ✓
- Windows® and Linux Ubuntu® server compatibility ✓
- Windows®, Linux Ubuntu® and Mac® clients ✓
- Mobile device (iOS® /Anroid®) based viewing of live and recorded video ✓
- Browser-based viewing of live/recorded video ✓
- Industries most viewing of live/recorded video ✓
- Industries most powerful VMS engine..... ✓
- Multi-server/one system architecture ✓
- Automatic failover - with camera priority ✓

SOFTWARE UPDATES

- Included (DW Blackjack™ servers) Lifetime
- Included (3rd-party servers) Lifetime
- One click upgrade - enterprise wide server upgrades ... ✓

DEVICE

- Automatic server discovery..... ✓
- Auto-detect and connect to 1,000s of supported IP cameras featuring license free LIVE viewing ✓
- Drag & Drop camera assignment to server ✓
- Extended storage ✓
- 3rd party IP cameras & encoders..... ✓
- Fish-eye/panoramic lens support (live and recorded) ✓
- H.264 support ✓
- ONVIF cameras & encoders ✓
- RTSP, HTTP support ✓
- I/O module support ✓
- Cameras as a System (Caas) ✓
- VMS at the edge..... ✓

CLIENT

- "The Grid" flexible user interface ✓
- Seamless transition from live to recorded video ✓
- Complete server & camera configuration ✓
- Server health monitoring..... ✓
- Multi-monitor support..... ✓
- Customizable layouts..... ✓
- Forensic spyglass - regions of interest ✓
- Interactive maps ✓

DW Mobile™ App

Digital Watchdog's new DW Mobile™ App for iPad® and iPhone® devices works seamlessly with Digital Watchdog's popular DW Spectrum® IPVMS and VMAX® DVRs/NVRs. DW Mobile™ allows you to view, playback and capture still images from a surveillance system on your smart phone and tablet.

DW Mobile Pro™ is a paid subscription app that allows you to view, playback and record multiple surveillance systems simultaneously, capture and share video clips.

APP Features:

- Access Your Entire Security System with the Touch of a Finger.
- Remote Monitoring of Multiple Sites.
- Supports Unlimited Sites.
- Create Unique Layouts with Cameras from Multiple Sites for the Ultimate Mobile Surveillance Experience.
- Drag and Drop Camera Layouts and Reordering.
- View Up to 16 Cameras per Screen, and Have Up to 128 Cameras Open at One Time (via On-Screen Scrolling).
- Split View (L/S) Displays Live and Recorded Video.
- PTZ Camera Control.
- Capture Image Snapshots.
- Send E-mail and Text Notifications with Image Attachment.
- Server Location Services Powered by Google Maps® – Locate All Your Systems Quickly and Easily by Their Geographical Location.
- Pinch-to-Zoom Digital Zoom Support.
- Password Protected for Complete Security of Your Systems and Data.
- Welcome Tour, Tutorial and Complete Help Menu for Onscreen Assistance.

Additional Pro Features:

- View Multiple Sites on One Screen (Pro Version).
- Search Multiple Cameras Simultaneously (Pro Version).
- Bookmark Setup and Search (Pro Version).
- Export Short Videos in .AVI Format and Share via Email or Social Media (Pro Version).
- Instant YouTube® Video Export Upload (Pro Version).

Models Supported:

- Blackjack® CUBE™ NVRs
- Blackjack® E-RACK™ NVRs
- Blackjack® P-RACK™ NVRs
- Any server running DW Spectrum® IPVMS
- VMAX® IP PLUS™ NVRs
- VMAX® AHD CORE™ DVRs
- VMAX® A1™ DVRs



Specifications

PART NUMBER		DW MOBILE	DW MOBILE PRO
Number of Sites		Unlimited	Unlimited
Number of Viewing Channel		View up to 16 Channels Simultaneously, View up to 128 Channels Open at One Time	
Layout Options		Single, 4, 6, 7, 8, 9, 10, 16, Single Channel in Live and Playback	
Multi-Site Layout		Save Favorite Layouts	Save Favorite Layouts
LIVE	Single Site	✓	✓
	Multi-Site	---	✓
	View All Sites and Favorites	---	✓
OPERATIONAL	Pinch-to-Zoom	✓	✓
	GPS	Save Location Service Powered by Google Maps™	
PLAYBACK	Single Channel	✓	✓
	Multi-Channels	---	✓
	Quick Playback	1, 10, 30, 60 minutes	1, 10, 30, 60 minutes
	Adaptive Timeline Search	First / Select Time	✓
	Bookmark	---	✓
Simultaneous Live & Playback L/S Mode)		✓	✓
PTZ	Virtual Joystick Controller	✓	✓
	Move to Preset	---	DW Mobile Pro 2.0
EXPORT	AVI	---	✓
	Snapshot	✓	✓
	SMS, Airdrop, Facebook or Email Sharing	✓	✓
Password Protection Screen Lock (Required Password When App Re-Launches)		---	✓
SUPPORTED DEVICES	Blackjack® NVR Series	Full Support for Solutions Running DW Spectrum™ IPVMS	
	Blackjack® CUBE LX		
	Blackjack® CUBE		
	Blackjack® E-RACK		
	Any Server Powered by DW Spectrum™ IPVMS		
	VMAX® A1	Full Support	
VMAX® AHD CORE	Full Support		
VMAX® IP PLUS	Full Support		
Cost		Free	30 Days Free Trial, \$1.99 a Month

*Prices and specifications are subject to change without notice.

Get
DW Spectrum® IPVMS
for FREE!

Did You
Know?TM

Understanding 'Double Down' in Dollars and Cents
Figure the Value of the Recording License as a Product Discount!



$$\begin{aligned} & \text{Product Cost} \\ & - \text{License Cost} \\ \hline & = \% \text{ Discount} \end{aligned}$$

- 1 Buy a MEGApix® Autofocus or PANO™ camera, get a Single Channel DW Spectrum® IPVMS License.
The camera is discounted up to 30%.
- 2 Buy two MEGApix® Fixed Focal Length Cameras, get a Single Channel DW Spectrum™ IPVMS License.
The cameras are discounted up to 30%.

Schedule a Demo Today >

Learn how Digital Watchdog will increase your profitability.

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WATCHDOG®
Complete Surveillance Solutions