



Summary

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.

DW Spectrum® IPVMS now includes DW® Cloud™ to easily manage all your systems and users from a simple webpage.

Features

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

Server

- C2P integration
- Dual Stream RTSP/HTTP
- Failover on storage failure
- Layout-as-an-action
- System update
- Virtual camera (import offline video)
- H.265 support to ONVIF cameras
- Metadata SDK
- Plugins
- Webcam support
- IP camera auto-discovery
- I/O device support
- Manually add streams
- Device lists (management)
- Support to cameras at every resolution
- Multi-sensor camera support
- Server hive architecture
- Cross-platform
- No annual maintenance fees
- One-click complete system upgrade
- Store anywhere
- Web administration
- Event rules engines
- Built-in developer tools
- Incredibly lightweight
- Notifications

Specifications

Network																			
IP protocols	Static, DHCP, wireless																		
Mobile applications	Apple iOS devices: iPad, iPad mini, iPhone, iPod Android devices: all smartphones and tablets																		
OnVIF conformant	Yes																		
Network connection	1000 Mbps																		
Performance																			
Camera image control	Brightness, contrast, saturation, hue, 3D-DNR, WDR, camera firmware upgrade and reboot																		
Firmware upgrade	USB drive, network upgrade, FTP remote upgrade																		
Recording mode	Continuous, motion recording, motion recording + low resolution always																		
Search modes	Instant motion-based smart search, advanced thumbnail search, calendar search, preview search, frame-by-frame search																		
Special features	Fully customizable layouts, easy drag-n-drop camera management and recording																		
Compression type	H.265, H.264, MJPEG, MPEG4																		
Pre Alarm recording	yes																		
External export devices	Micro SD card, USB drive, USB HDD																		
Video																			
Dual-stream recording	Yes																		
Operating system	Linux®, Windows®, iOS Mac® Client, Apple and Android mobile clients																		
Maximum recommended elements in a single system	<ul style="list-style-type: none"> • Maximum recommended servers in a system: 100. • Maximum recommended resources in a system: 10,000. • Maximum recommended users in a system: 1000. • The maximum number of MEGApix® CaaS™ all-in-one edge cameras in a single system is 30 cameras (all in the same local network, using MEGApix® CaaS™ cameras only). • Maximum Blackjack® DW-BJMINI in a system: 5 (all in same local network). <p>* The maximums above are based on lab testing results and could vary significantly based on a project's real-world environment.</p>																		
System requirements	Minimum																		
Operating system	<p>Media server supported OS:</p> <ul style="list-style-type: none"> • Windows 7, 8, 8.1, 10 Pro/Enterprise. • Windows Server 2008 R2, 2012, 2012 R2, 2016 v1607 and later, 2019. • Ubuntu LTS: 16.04, 18.04, 20.04. <p>OS no longer supported:</p> <ul style="list-style-type: none"> • 32 Bit operating system (both Windows and Ubuntu Linux). • Ubuntu 14.04 is no longer supported (Refer to the reference for upgrade). • Windows Server 2008 no longer supported (Only 2008 R2 is supported). <p>Client supported OS:</p> <ul style="list-style-type: none"> • Windows: 7 Home, 7 Standard, 7 Pro, 7 Ultimate, 8/8.1 Standard, 8/8.1 Pro, 8.1 Enterprise, 10 Home/Pro/Enterprise. • Windows Server 2008 R2, 2012, 2012 R2, 2016 v1607. • Ubuntu LTS: 16.04, 18.04, 20.04. • MAC OS X 10.14: "Mojave", 10.15 "Catalina". <p>¹ For Windows 10, recommend i5/i7 processors with 16GB RAM and video card with 4GB or higher RAM.</p> <p>OS no longer supported:</p> <ul style="list-style-type: none"> • 32 Bit operating system (both Windows and Ubuntu Linux). • Ubuntu 14.04 is no longer supported (Refer to the reference for upgrade instruction). • Windows Server 2008 no longer supported (Only 2008 R2 is supported). • MAC OS X 10.11, 10.12, 10.13 support is dropped. The Desktop client will not work on these versions. <p>Important: OS not listed are not supported. DW Spectrum® IPVMS v4.0 and newer are designed for 64-bit systems only.</p>																		
	<table border="1"> <thead> <tr> <th></th> <th>Minimum</th> <th>Recommended</th> </tr> </thead> <tbody> <tr> <td>Processor</td> <td>Intel® Core i3® 4th gen processor (or higher)</td> <td>Intel® Core i5® 4th gen processor (or higher)</td> </tr> <tr> <td>System RAM</td> <td>4GB RAM</td> <td>8GB RAM</td> </tr> <tr> <td>Video card</td> <td>Integrated Intel® graphics</td> <td>GeForce® GTX 480 video card</td> </tr> <tr> <td>Network interface</td> <td>1 Gbps</td> <td>1 Gbps</td> </tr> <tr> <td>Hard disk space</td> <td>500GB HDD</td> <td>256GB SSD</td> </tr> </tbody> </table>		Minimum	Recommended	Processor	Intel® Core i3® 4 th gen processor (or higher)	Intel® Core i5® 4 th gen processor (or higher)	System RAM	4GB RAM	8GB RAM	Video card	Integrated Intel® graphics	GeForce® GTX 480 video card	Network interface	1 Gbps	1 Gbps	Hard disk space	500GB HDD	256GB SSD
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Features (cont.)

- One-time recording license charge, fully transferable between cameras and encoders
- Simple enterprise scalability

Client

- **NEW in v.4.1!** Chromium browser in-client
- **NEW in v.4.1!** Videowall failover
- Add device interface
- Minimum grid size on layouts
- Notifications panel
- Resource panel
- Secure export
- Custom watermark over video
- Launch desktop client with CLI
- In-camera analytics
- Bitrate throttling
- Seamless transition from live to playback
- Watch live and playback video on the same screen
- Easy monitoring
- Enhanced export
- Web client compatibility
- Easy bookmark export
- Archive integrity check
- Custom camera ID
- Flex GRID user interface
- Support to cameras at every resolution
- Universal fisheye dewarping
- Advanced PTZ
- Region of interest with SpyGlass™
- Smart motion search
- Adaptive timeline
- Calendar search
- Preview search

- Synchronized or unsynchronized playback
- Screen record
- Cloud connect
- User management
- Adaptive scaling
- Multi-camera viewing
- Super lightweight
- Secure and encrypted
- Multi-video export
- Unbelievably fast search
- Soft triggers
- Storage analytics
- Showreel
- Two-way audio
- E-mapping system capabilities
- Text-to-speech for event notifications
- Event rules engine
- HTTP events and actions
- Bookmarks
- Integration with Control4™ home automation
- IP intercom device support
- Image enhancement
- Event log reports and search
- Centralized management
- Health monitor
- System backup and restore
- Minimize video recording loss
- Audit trail
- Edge integration
- Videowall
- Help manual

DW Cloud™

- **NEW in v.4.1!** Health monitoring dashboard
- Cloud system merge
- Cloud connect
- Share access
- Unlimited systems
- Web viewing
- Secure and encrypted
- Cloud API

Mobile

- **NEW in v.4.1!** Push notifications
- Low latency
- Mobile app for iOS and Android
- DW® SiteViewer™ for AppleTV
- Live thumbnails
- Multi-system switching
- Fisheye dewarping
- Secure and encrypted
- PTZ control
- Soft triggers

For developers

- Server API
- Video source SDK
- Storage SDK
- HTTP generic events
- HTTP requests-as-an-action
- Metadata SDK

Related Products

Blackjack® servers



MEGApix® IP cameras



NightWatch™ illuminators
SiteWatch™ motion detectors



Compressor™ encoders



Product Numbers	Description
DW Spectrum® IPVMS Licenses	
DW-SPECTRUMLSC001	Single recording license
DW-SPECTRUMLSC004	Four (4) recording licenses
DW-SPECTRUMLSC010	Ten (10) recording licenses
DW-SPECTRUMLSC020	Twenty (20) recording licenses
DW-SPECTRUMLSC050	Fifty (50) recording licenses
DW-SPECTRUMLSC100	One Hundred (100) recording licenses
Analog Encoder IPVMS Licenses	
DW-SPCP04LSC004	Four (4) Analog encoder IPVMS licenses
DW-SPCP16LSC016	Sixteen (16) Analog encoder IPVMS Licenses
I/O Module IPVMS Licenses	
DW-SPIOLSC001	Single I/O Module IPVMS license
Video Wall IPVMS Licenses	
DW-SPVWALLIX2	Single Video Wall IPVMS license

NOTE: Custom-ordered licenses are available by request.
NOTE: Lifetime upgrades are included with no annual renewal fees.