

For Immediate Release

DW[®] Spectrum IPVMS 5th Generation is Now Available

DW's flagship video management software update brings cybersecurity enhancements and data protection features.



DW[®] Spectrum IPVMS 5th generation.

Cerritos, CA (August 4, 2022) – [Digital Watchdog[®] \(DW[®]\)](#), the industry leader in digital recorders, surveillance cameras, system peripherals and related management software, announces the release of DW Spectrum IPVMS 5th generation. The latest version of the software is focused on improved cybersecurity, encryption and a more secured experience across servers, clients and the DW Cloud[™].

“DW Spectrum Gen 5 is a full-featured release focused on cyber security improvements and enhanced usability,” said Patrick Kelly, Director of IP Solutions, Digital Watchdog. “Features like the new archive encryption and metadata-driven archive backup options open exciting new opportunities for DW Spectrum users.”

New features include:

- **Enhanced security features:**
 - **Archive encryption:** on any hard drive or storage medium.
 - **Session-based authentication:** Servers and clients use bearer token authentication by default.
 - **SSL/TLS Internet Requests:** All Internet requests use OS SSL/TLS Certificate Validation to prevent MITM (man-in-the-middle) attacks, including but not limited to VMS updates, VMS-Cloud communications, license validation, statistics, etc.
 - **Two-factor authentication:** prevents account hijacking due to stolen or misplaced credentials and unwanted access from orphaned credentials
- **Audio Video Mapping:** Combine audio and video from different devices. For example, an audio source from a camera with a microphone can be used as an audio source for another camera. The two-way audio button can be placed on a camera without a microphone and used with a different camera that has a speaker attached to it.
- **Dewarping for Panoramic Cameras:** 360° panorama images and videos that use equidistant projection can now be dewarped in the desktop client.
- **Embedded Javascript API:** Client JavaScript API is embedded in Web Pages to enable additional functionality such as opening and closing cameras and playing and pausing the video.
- **Independent Desktop Client Updates:** The client desktop distributive can be released separately from the server distributive. The client can also automatically download and install the latest version of the desktop client to be compatible with the server's version.
- **New Archive Backup Options:** Archives can now be backed up based on Motion, Bookmarks, Objects and any combination of them (M &O or O &B, or M, B & O).

- **New recording modes:** Object only, Object + Low res, Motion + Object and Motion + Object + Low res.
- **Redesign**
 - **Object Panel Redesign:** Search for objects identified by analytics and stored in video archives by attributes in a new pop-out window.
 - **Desktop Client Welcome Screen:** sort systems by priority, show all or part of the systems available and search for systems by attributes.
 - **Server Web Admin:** Add and remove users, as well as view detailed information about Servers, Cameras, and Licenses.
- **Resource Grouping:** Group resources (cameras, streams, encoders, web pages) in the client to be used in roles and permissions, and for faster navigation of large systems.
- **Restore Previous Session:** Certain interface elements can be saved and restored upon launching the desktop client.
- **Video Preview Thumbnails:** Hover over the timeline to preview the video in thumbnail format in Windows and macOS Desktop clients.
- **Web Proxy via Server:** Local device or service web pages can be proxied via the Server application and viewed via a remote connection.
- **ZFS Support:** Added support for ZFS (Zettabyte File System) to the Server.

DW Spectrum IPVMS is freely distributed, including the DW Spectrum server and client software (Windows®/Linux®/Mac®), the DW Cloud (dwspectrum.digital-watchdog.com) web client from all leading web browsers (Google® Chrome, Firefox®, Internet Explorer®, Safari® and Opera®), as well as the free DW Spectrum mobile app for iOS and Android devices. The DW Spectrum IPVMS server software is included with pre-configured DW Blackjack® NVR servers and MEGApix® CaaS™ edge cameras or it can be installed on third-party Windows or Ubuntu® Linux-based systems.

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DW Spectrum IPVMS updates automatically in systems where previous v3.2 software is already installed. Click [here](#) to download the software from the product page on our website or go to www.digital-watchdog.com and search for DW Spectrum.

ABOUT DIGITAL WATCHDOG

Founded in 1987, DW[®] is a leading manufacturer of NDAA/TAA compliant complete surveillance solutions, offering stunning image quality, advanced hardware capabilities, superior video management, reliable customer support and the lowest total cost of deployment for IP megapixel, Universal HD over Coax[®] megapixel and legacy analog applications. DW's catalog includes an NDAA-compliant elevated skin temperature system, illuminators and motion detectors. With offices in Cerritos, California and Tampa, Florida, and manufacturing facilities in Seoul, Korea, DW is committed to delivering powerful security solutions to its customers worldwide.

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