



To: DW[®] Customers
Date: July 10, 2018
Re: DW Spectrum[®] IPVMS v3.2
Software Update

DW Spectrum[®] IPVMS v3.2 Software Update

New Software Version: v3.2
Previous Software Version: v3.1
Release Date: 7/10/2018

New Features:

- In-camera analytics support - Users can now use in-camera analytics events when creating rules in the rules engine for DW[®], Axis and Hikvision cameras.
- Enhanced export - Completely redesigned video export interface with the ability to burn in watermark logos during the export process.
- Custom camera logical ID - Users can assign a custom logical ID in the camera settings dialog to create an alias for the camera ID in server API calls.
- Archive integrity check - Users will receive a notification when viewing any archive which has been modified manually (files moved or deleted in storage archive).
- Export bookmarks from timeline - a button has been added to allow users to export bookmarks directly from the timeline.
- Contextual help - A fully revamped version of the help manual.
- Bitrate throttling - Added the ability to change image resolution and adjust bitrate (fine tuning) for Axis, Acti, Hikvision, and ONVIF devices.

New Device Support:

- New device support for:
 - * Axis Q6214, M5054, D2050, Q6124, M5054, D2050, P1367, P1368, F40-Q1765, XF60-Q1765, P40-Q1765, F34, FA54, M5525, Q8742, P1275, Q8741, FA1105, FA4115, P1245, P1265, F1004, M3048, F8804, P3375, F4005, F1025, F1005, Q3517, Q8685, P3374, FA1125, F1015, F1035, Q3504, Q8642, Q8641, XF60-Q2901, XP40-Q1942, XF40-Q2901, P1447, Q3515, P1447, Q3515, M5065, M3058, M3015, P1290, Q6125, M3057, Q1645, Q1647, M5055, M3016, P1280.
 - * Axis F44 encoder
 - * Arecont Vision AV08ZMD-300, AV02CID-100, AV05CID-100, AV02CMB-100, AV05CMB-100, AV02CLB-100, AV05CLB-100, AV02CLD-100, AV05CLD-100, AV08CPD-118, AV20CPD-118
 - * Hikvision DS-7216, DS-2DF6223-CX
 - * Hikvision 6704 encoder

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New Device Support (Cont.):

- 2-way audio support for:
 - * ONVIF devices
 - * Sony SNC-CX600, SNC-VM600, SNC-VM630, SNC-VM641, SNC-VB632, SNC-VB642, SNC-WR632, SNC-WR602, SNC-WR630, SNC-EM641
 - * DW® camera line
- Advanced PTZ support for:
 - * UNIVIEW IPC6253SR-X33
 - * Securicorp SCL-SDM03MVIR-WD3533X
 - * DS-2DF8436IX-AELW, DS-2DF8236IZ-AEL, DS-2DE4220W, DS-2DE4220IW, DS-2DE7330IW-AE, DS-2DP1636ZIX-D/236
 - * Vista VK2-HD30-PM
- Analog encoder licenses support added for:
 - * Acti V23
 - * UNIVIEW NVR302-16S-P16, NVR302-08S-P8
 - * Sony SNT-EX104, SNT-EX154, SNT-EP154
 - * Dahua DHI-HCVR7108H-V2, DHI-HCVR7108H-S2
- Input/output fixes for:
 - * Hikvision DS-2DE4A220IW-DE, DS-2CD2522FWD, DS-2CD2142FWD and OEM'ed versions
 - * DWC-PF5M1TIR, DWC-MB45DiA, DWC-MV85DiA, DWC-PB6M4T
- Ability to change image resolution and adjust bitrate (fine tuning) added for:
 - * Axis
 - * Acti
 - * Hikvision
 - * ONVIF cameras
- H.265 support for DWC-MTT4Wi36.
- G.726 audio playback support.
- G.726 and G711 audio export to mp4 support.
- FPS limit increased to 10 for Arecont Vision AV12275 and AV12276 cameras.
- DWC-PVX16W, DWC-PVX16W4, DWC-PVX16W6, DWC-PVX16W28, DWC-PZ21M69T multi-sensor cameras now have stitched view.
- DW® MEGApix® CaaS™ edge camera support.

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Improvements:

- Redesigned video export.
- Vulnerability fixes.
- EULA fixes in Windows[®] installer and server web page.
- If EULA is updated, it is shown once on client launch and needs to be accepted.
- Added ability to import missing archive video from Lillin cameras internal storage.
- Cloud beta warning has been removed from the system administration dialog.
- Events are split into groups in the event rules dialog.
- Added context menu for all local system tiles on welcome page.
- Improved timeline behavior when motion search is activated.
- Separated “web page” tab in “camera settings” -> “advanced” dialog.
- Automatic database backup is performed prior to systems merge.
- If multiple cameras do not support chosen event, warning message is displayed.
- “Export bookmark” button on the timeline.
- Improved support for multi-sensor cameras (by UI and license).
- Screen recording is disabled for users without export archive permission.
- Checkbox “Launch video wall when Windows[®] starts” is set by default now.
- “Do HTTP Request” action improvements: multiple methods are supported (POST, GET, DELETE etc).
- USB storage support (USB storage is not enabled by default but can be enabled with a parameter in the configuration file).
- ONVIF is automatically enabled for Hikvision cameras with firmware 5.5 and newer.
- Increased default secondary stream quality.
- “Do HTTP Request” action improvements: now user can specify request and authorization type manually.
- “Make showreel” was moved to the separated block between “Save Layout As” and “Delete” in the context menu.
- Timemaker behavior UX improvements. Now its movements are more predictable.
- Playback state, speed, position, and rotation are now saved when a camera is opened in a new tab.
- Added default cameras sorting in “Add Camera” dialog.
- Changed text on “Time synchronization” tab.
- Increased default FPS for “Camera Settings” -> “Recording”.
- Increased max value for “Camera Settings” -> “Recording” -> “Max Days”.
- Adaptive scaling was improved.
- Image quality (High/Low) can be forced and saved separately for any video on a layout.
- Compression factors for Arecont Vision are tuned. FPS counter should be just as configured in camera settings.
- Audio output over RTSP support for DW[®] cameras.
- “Camera recording” action in event rules now has 9999 seconds limit instead of 3600.
- Improved context help.
- “Local files” are no longer automatically expanded in the Resource Tree.
- An administrator fetched by LDAP can now modify LDAP settings and fetch users.

UI CHANGES:

- “Delete layout tour” has been renamed to “Delete Showreel”.
- “Showreel cycle” has been renamed to “Tour Cycle”.

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MAC OS FIXES:

- Improved timeline on web client for retina displays.
- Improved marker fade animation when timeline panel is hidden.
- Memory leaks in the client on Mac OS High Sierra. Fixed.
- Several interface windows were always “on top” in Mac OS X. Fixed.
- “User Settings” window appeared below “System Administration” dialog in Mac OS X. Fixed.
- Mouse cursor hover stops working in some cases. Fixed.
- Incorrect message if “Show bookmarks” is enabled. Fixed.
- Animation of the time marker for NOV files is not smooth. Fixed.

TESTED OS:

- Windows[®] 7
- Windows[®] 8
- Windows[®] 8.1
- Windows[®] 10
- Windows[®] Server 2008
- Windows[®] Server 2008 R2
- Windows[®] Server 2012
- Windows[®] Server 2012 R2
- Windows[®] Server 2016 v1607
- Windows[®] 10 Enterprise
- Ubuntu[®] 14.04 LTS
- Ubuntu[®] 16.04 LTS
- OSX 10.11: “El Capitan”
- OSX 10.12: “Sierra”
- OSX 10.13: “High Sierra”
- Raspberry PI 3 Model B Vi. 2 Kernel version 4.14 (Linux 9.4 (stretch))
- Raspberry PI 3 Model B Vi. 2 Kernel version 4.9 (Linux 8.0 (jessie))
- Banana Pi BPI-M1/BPI-M1+ Kernel version 3.4 (Linux 8.0 (jessie))

POTENTIAL ISSUES (please pay attention while testing):

- UI elements issues.
- Cloud connection issues.

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KNOWN LIMITATIONS:

- DW® Analytics.
 - * Events do not work if VCA and MD events are enabled simultaneously.
 - * Need to wait for two minutes after an event is enabled on the camera's web page.
 - * Events work for all zones but do not work for a specific zone.
 - * Events stop working if camera CPU is more than 80%.
- DW® DWC-MTT Analytics:
 - * Some events do not work simultaneously on DWC-MTT series cameras.
 - * Camera sends spurious notifications for some events when settings are changed.
- Axis analytics. If Axis people counter is enabled on Axis camera, auto and manual discovery do not work in the software. Camera issue.
- Recorded G.726 audio with 16 Kbit bitrate is not played in archive.
- Export H.265 to .avi is not supported.

Recommended Upgrade Path:

- From any 3.0.0 builds: In-client upgrade to 3.2 or fresh install.
- From earlier than 3.0.0: Upgrade to 3.0.0.14971 first or do fresh install.
 - * Important: Re-index the database after upgrading to 3.2.0.
 - * Always backup the database and license key information before upgrading to newer build or version.

In-Client Upgrade Information:

- Build Number: 20806
- Password: payht7

OS Supported - Media Server:

- Windows®: 7 Standard, 7 Pro, 7 Ultimate, 8/8.1 Pro, 8.1 Enterprise, 10 Pro/Enterprise, 10 IOT.
- Windows® Servers¹: any versions of 2008, any versions of 2008 R2, any versions of Server 2012, any versions of Server 2012 R2, Windows Server 2016(v1607) (¹except Storage Server version).
- Linux®: Ubuntu® 14.04 LTS, Ubuntu® 16.04 LTS.
 - * Important: OS not listed will not be supported by DW® Tech Support.

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OS Supported - Client:

- Windows[®]: 7 Home, 7 Standard, 7 Pro, 7 Ultimate, 8/8.1 Standard, 8/8.1 Pro, 8.1 Enterprise, 10 Home/Pro/Enterprise¹
- Windows[®] Servers*: any versions of 2008, any versions of 2008 R2, any versions of Server 2012, any versions of Server 2012 R2, Windows Server 2016 (v1607) (*except Storage Server version).
- Linux[®]: Ubuntu[®] 14.04 LTS, Ubuntu[®] 16.04 LTS.
- Mac[®]: OSX 10.11, OSX 10.12. OSX 10.13

* ¹ For Windows 10, 6th Generation Intel i5/i7 processors with 16GB RAM and video card with 1GB or higher RAM is recommended.

* Important: OS not listed will not be supported by DW[®] Tech Support.

Mobile App:

- DW Mobile[™] App (Cloud connection will be available in future release).
- DW Spectrum[®] Moebil App 18.x.x.
- DW Site Viewer[™] App for Apple TV.

Unsupported Blackjack[®] Server:

- Blackjack[®] Blade[™] (Ubuntu[®] 12.04).

Website Download:

Click [here](#) to download all files from the website.

For more information or technical support

DW technical support

Toll free: 866.446.3595

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