



Release Notes

UNITED VMS 7.0

V7.0.0.5784

Latitude / Horizon / Meridian

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□ Document History

Version	Date	Comment
2	June 25, 2018	Revised release
3	June 25, 2018	Fixed Keyboard shortcut in 5783 appendix

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1. Introduction

In releasing this latest United VMS, FLIR continues its commitment to ongoing support and enhancement of software in the field. This release concentrates on adding improved ONVIF support, continuing to strengthen our ONVIF implementation and support for 3rd party integrations.

- Highlights
 - Added Configurable Audio Buffer for ONVIF
 - Decoding buffers for devices using the ONVIF plugin
 - Add support to Bosch audio out

2. New features

2.1 Added Configurable Audio Buffer for ONVIF

Until today the buffer size was set to a fixed size. This sometimes caused distortion in audio streamed at a sample rate higher than ~ 32KHz. In this release we have added a new config file entry which enables modification of the audio buffer size for ONVIF plugin to support audio with higher sample rate than before. Any value below the default buffer of 25 will be blocked

Note: Config file changes are made by FLIR Enterprise Support personnel.

2.2 Decoding buffers for devices using the ONVIF plugin

Decoding buffers provide for smoother decoding of hi-resolution video streams. These buffers were introduced for FLIR devices in VMS 8.0, and the implementation has now been extended to all devices discovered using the ONVIF plugin. This applies to the Control Center only. The setting is disabled by default and must be explicitly set in order to be used, as there may be issues with some legacy units.

2.3 Add support to Bosch audio out

Audio out functionality now supported with Bosch units, further expanding the support and offering of 3rd part integrations.

3. Fixed Issues

CR ID	Description	Support Ticket
44868	Fixed problem where Keyboard (via a serial port) caused Archiver issues	77084
44873	Axis motion indication is no longer always showing as 100%	77014
44999	Fixed issue with random timeline popup errors	77639 79686
45181	Solved problem where Pelco unit was not initializing after failing to bind for events	77729
45383	Solved issue with Active Directory handles	78824
45390	Now supports mouse scrolling and dragging in the playback timeline on Win7	
45430	Fixed problem where alarms were being delayed	74575

CR ID	Description	Support Ticket
45543	Fixed issue where the list of cameras in Redundant Archiver didn't appear on the dashboard	79283
45615	Solved problem with wrong camera recording indication after Fail Over Archiver	77870
45620	Fixed issues where Webserver was creating Crypto files in Window's MachineKeys and wasn't deleting them	79873
45629	Solved problem where Cameras stopped recording due to ByteBufferPool maxing out on Archiver	79223
45683	Fixed issue with CC GIS map and web browser compatibility issue message no longer appears	
45690	AC/CC Login screen no longer takes an extra Tab to get to Directory address field	
45742	Fixed issue where Admin center was slow to login	78309
45827	Solved problem where videos got stuck after consecutive backwards JumpToTimes during Synchronized Playback	
45850	Fixed problem where Archiver ART was dropping packets	80288
45946	CC no longer freezes on Windows 10	79786
46010	Transcoder no longer has issue after failure to subscribe to stream recovery	80292
46035	Fixed issues where blank tiles were displayed when opening favorites	80973
46083	Fixed Video Issues with Sony VB770	81276
46147	Fixed issue of failed discovery of Axis M3047-P on FW 7.15.2.1	82172

4. Upgrade Instructions

The following upgrade path is supported:

- Latitude 7.0 (7.0.0.5700)
- Horizon 7.0 (7.0.0.5700)
- Meridian 7.0 (7.0.0.5700)

Note: All Latitude/Horizon/Meridian Updates on top of 7.0 will support this upgrade.

4.1 Upgrade Steps

To obtain the update executable follow one of the steps below:

1. Check the FLIR website: <http://www.flir.com/security/display/?id=73533>
2. If the desired update version number is not available on the website, please contact support at +1 888 388 3577

This VMS update must be deployed on all machines – servers, clients and SDK applications.

Note that SDK applications must be closed manually.

After installation is finished, windows services will be launched automatically.

Note that AdminCenter and ControlCenter won't start automatically.

1. Close the client applications before running the installation package.

2. Start the installation program and proceed as guided by the installation wizard.

Note: This stops your VMS Windows services, which resume upon completion of the wizard.

3. Upgrade the server side of the system, starting with the Directory server if not an all-in-one system.
4. Once the server upgrade concludes, open ControlCenter over a remote client workstation.
5. Connect to the server. You will be prompted to upgrade to the new version. After accepting, the new version will be downloaded over the network and installed automatically without requiring any further input.

4.2 Upgrade Limitations

1. Using windows "Remote Desktop Protocol" (RDP) to load the update with "Automatic Client Update" feature is not supported.
2. If Mentor is installed on the client machine, Automatic Client updates will not work.
3. When running Automatic Client updates while not signed into Windows as an administrator, Update screen and Progress Bar will be hidden from the user.

5. Additional Resources

For more information about the VMS system, visit <http://www.flir.com/security/display/?id=73645>

6. Windows Updates

Note: The VMS Windows services must be stopped prior to applying Windows updates

Latitude is certified with all the Microsoft Updates available up until June 1, 2015.

Check for the latest Microsoft updates.

7. Disclaimer

By providing this document, FLIR Systems, Inc. is not making any representations regarding the correctness or completeness of its contents.

Appendices

A.1. Version 7.0.0.5783

Please refer to V7.0.0.5783 for full details.

Quasar Gen II CM-6212 Hemispheric Camera - The Quasar Gen II CM-6212-H1-I 12MP IP Hemispheric camera is an indoor/outdoor hemispheric IP camera that supports four streams with H.264 and MJPEG compression. It includes audio-in, audio-out, alarm-in, and alarm-out connections, and a microSD drive. The camera includes a 12 megapixel 1/1.7" Sony Progressive CMOS sensor and features an F2.4, hemispheric lens with a 1.29mm focal length and 360° Field of View (FOV) at full resolution. Latitude recognizes the camera when attached and applies the appropriate default settings, including the panomorph capability. The new 'Enabled on Stop' antialiasing parameter is the default behavior, so that antialiasing is not applied during panning. Latitude supports the camera as a regular panomorph unit, and allows multiple views to be set up in the Control Center, simply by dragging instances of the camera to Viewing Tiles, and then 'plunging' into the picture and navigating to the required portion of the image. (Described in The Control Center Help file). See more camera details at <http://www.flir.com/security/display/?id=77397>

Ariel Gen III Cx-330x Series Cameras - The Ariel Gen III Cx-330x series cameras include indoor/outdoor bullet (CB-330x) and mini-dome (CM-330x) models. They support up to three streams at 4MP (Cx-3304-11-I and Cx-3304-21-I) or 8MP (Cx-3308-11-I) with H.264, or MJPEG video compression, depending on the stream. All cameras include audio-in, audio-out, alarm-in, and alarm-out connections and a microSD drive.

The product line includes six models:

- Ariel CM-3304-11-I Quad HD IP Mini-dome Camera (2.8-8.5mm lens)
- Ariel CM-3304-21-I Quad HD IP Mini-dome Camera (9-22mm lens)
- Ariel CM-3308-11-I Ultra HD IP Mini-dome Camera (3.4-9mm lens)
- Ariel CB-3304-11-Quad HD IP Bullet Camera (2.8-8.5mm lens)
- Ariel CB-3304-21-I Quad HD IP Bullet Camera (9-22mm lens)
- Ariel CB-3308-11-I Ultra HD IP Bullet Camera (3.4-9mm lens)

See more camera details at <http://www.flir.com/security/display/?id=86473>

New Ariel Extended Temperature Series

The following new models have been added:

- Ariel CM-3308-1E-I Ultra HD IP Mini-dome Camera (lens 3.5-9mm), Extended temperature.
- Ariel CM-3304-2E-I Quad HD IP Mini-dome Camera (lens 9-22mm), Extended temperature.
- Ariel CM-3304-1E-I Quad HD IP Mini-dome Camera (lens 3-8.5mm), Extended temperature.
- Ariel CM-3102-1E-I Full HD IP Mini-dome Camera (lens 3-10mm), Extended temperature.
- Ariel CM-3102-0 E-I Full HD IP Mini-dome Camera (lens 2.8mm), Extended temperature.

Quasar Gen III CP-6302 IR PTZ Camera - The Quasar Gen III CP-6302-31-I camera is an indoor/outdoor Full HD IR PTZ IP camera with 30x optical zoom and 10x digital zoom. The camera delivers superior sensitivity in low-light scenes with its Shutter WDR (Wide Dynamic Range) mode, True Day/Night IR Cut filter, and infrared LED illuminator. The camera supports up to four streams with H.265, H.264 and MJPEG compression. It also includes audio-in, audio-out, alarm-in, and alarm-out connections, and a microSD drive. See more camera details at <http://www.flir.com/security/display/?id=86453>

New Quasar 4x2K Panoramic Camera - The Quasar Panoramic camera gives the user the ability to configure the unit to 180° or 360° modes before installation, by simply altering the arrangement of the lenses. When the unit is discovered and attached, Latitude recognizes the configuration that has been chosen, and applies the appropriate software and dewarping. (The configuration chosen is shown as 'Ceiling mode (360°)' or 'Wall mode (180°)' in the Camera/Firmware Version field). The Quasar Panoramic camera only requires one channel license for the VMS

‘Switch to Live’ when you’ve finished viewing a clip - A handy capability has been added to the Viewing Pane context menu when in Playback mode. Corresponding to the ‘Send to Query’ option in Live mode, the Playback mode context menu now offers ‘Switch to live’. This allows the user to go directly to the live view of the camera that created the clip. The live video replaces the playback video in the same tile. Note: The Switch to Live feature is supported for regular playback. It is not available in Synchronized playback mode, Thumbnail mode, or during playback of alarm-triggered video

Using the Mouse to control the Timeline - The Control Center Timeline has been made much more intuitive and responsive. Users should find these new mouse facilities easy to use and they will soon become second nature.

1. Zoom the timescale:
With the mouse positioned anywhere in the Timeline pane, the corresponding vertical position on the timescale is held constant, and moving the mouse wheel will zoom the timescale wider or narrower (showing more or less time)
2. Move to another point in the timescale:
With the mouse anywhere in the Timeline pane (but NOT on a specific clip/track*), then clicking and dragging the mouse will slide the whole timeline earlier or later.
3. Select the displayed playback range:
With the mouse positioned below a track, the user can select a part of the clip by right-clicking at a starting time and dragging the mouse to a later time. On releasing the mouse, the timescale will expand so that selected portion of the clip fills the timeline.

Note: *Clicking and dragging’ when the mouse is positioned on a track does not change the time scale but rather is used to mark parts of the clip for Export or Locking.

Improve in setup of new devices - The system will now check if multicast is available only when choosing Best Available; If the user does not select ‘Best Available’ the system uses the selected option and does not first check if multicast is available. This results in quicker connection to new devices and quicker recovery from loss of connection.

New Keyboard Controlling the Viewing Window Shortcuts - New Keyboard controls were added to support PiP (Picture in Picture) for FLIR multisensory cameras.

Function	Command (PCKbd / CCTVKbd)
Toggle PiP views	F2 / 2 + FUN
Show/Hide PiP window	F3 / 3 + FUN
Switch Playback window to Live view	F5 / 5 + FUN
Expand focused Layout to Full Screen	F11 / 11 + FUN
Expand focused Tile to Full Screen	F12 / 12 + FUN

Tools - Option PiP Behavior - In tools menu we have added the option to disable PiP for multi-sensor cameras. By default, PiP is enabled. The user can go into tools->option to disable PiP.

Support for Windows 10 and Windows Server 2016 - With this LU we can support server installation on Windows 10 and Windows Server 2016 for all servers except the Directory server (due to Web Server). Note: Web Server installation is not supported on Windows 10 or Windows Server 2016; since the Web Server is installed together with the Directory it is not possible to install the Directory on Windows 10 or Windows Server 2016.

A.1.1 Fixed Issues in 7.0.0.5783

CR ID	Description	Support Ticket
41259	Status of Input Pin and Output pin does not change on Map in CC	66079
45031	Status of Input Pin and Output pin shows X in the map general page in AC	66079
44711	Issue with licenses when doing failover in a row	71553
44713	PTZ zoom not variable in Philips Bosch cameras	72695
45014	Fix for DSF stream recovery issue	75071
44946	CC shows fail to display scene when using a matrix with Axis plugin	77357
45022	Admin Center exception when updating entity using Matrix	77357
45024	Circling back to Matrix output that was in use results in infinite video switching and no video displayed	77357
45116	Axis P1367 with firmware 7.15.1.1 cannot be discovered in Latitude	78111
45149	Black tiles when switching between layouts using adaptive streaming	77775
45152	WebServer isn't visible and cannot be added by users in AC (except "admin")	78342
45160	Half the audio is being exported for linked generic camera	78227
45178	Best available activates Multicast on the camera when system is set on Unicast	77234
45304	Admin Center – manual discovery – discovering units that are already attached do not say the name of the unit or which Archiver it is connected to.	76302
45259	After rediscovering Arecont cameras other cameras stop working	78526
45231	Camera sequence can cause stream manager leak	77706 77984
45395	Philips Bosch Variable zoom is not working with FLIR PTZ keyboard	79156
44626	ONVIF - Units fail to discover if they don't support ONVIF's imaging option command	77007
44792	Setting 'Go to PTZ preset' on a 'PTZ session ended' causes infinite loop of EDB events	
44913	Failover synchronization – AC shows warning of no sync on FOD wrongly.	75200
44919	EDB memory is very high	76399
44941	Web Client - Support stream recovery when Transcoder is being restarted	
44942	Web Client - Inaccessibility event affects active video stream	

A.2. Version 7.0.0.5780

Please refer to V7.0.0.5780 for full details.

A.2.1 Summary of Features in 5780

The following improvements, changes and new features have been introduced.

Control of Adaptive Streaming - Each Archiver can now have a general setting that switches Adaptive Streaming on or off. Previously it was possible to switch Adaptive Streaming on and off for each camera from Control Center. This now adds the ability to the Administrator on-site to disable Adaptive Streaming on all the cameras of an Archiver together.

The default behavior is to use adaptive streaming.

To implement this functionality please contact FLIR Support.

Active Directory Performance Improvements - The implementation of Active Directory (AD) in the VMS was affected by the number of users defined in AD and caused slow loading for organizations with a large number of users. In this version, this process has been improved, resulting in significantly reduced processing time for importing Users and User Groups.

Improved support of Video Streams on Client machines - In earlier versions, users on Client machines would often see messages indicating video failure, even though they may not experience any disturbances in the video stream. This is due to the default short rendering timeout. In this and future versions, the video rendering timeout can be adjusted, which reduces instances of this problem.

The default value is 5 seconds.

To implement this functionality please contact FLIR Support.

Improved Event Passing in EDB - The system allows filters to be set up between EDBs, in order to reduce the number of events passed across the system. To assist users who wish to get all events passed without filtering, the system now allows event filtering between EDBs to be turned on or off via EDB's config file.

By default the event filter is on so that only relevant events are passed between EDBs.

To implement this functionality please contact FLIR Support.

Memory Leaks – ART and Transcoder - Two ART memory leak problems have been identified and resolved:

- Sony Gen1 camera
- Adaptive streaming

A memory leak in the Transcoder that only arose after several weeks in use was traced and corrected.

Continuous Uptime leading to Overflow Exception - Systems that were continuously in operation for over 50 days were exhibiting an Overflow Exception. This has been corrected.

Issues with Unclosed CCTV Keyboard - Users with CCTV keyboards instances that were not closed after use were experiencing a gradual drop in Frame Rates. This has been corrected.

Improved ONVIF implementation - In order for the Pelco D6230 to be discovered, a small change to the system was required.

New FLIR PT-Series HD Multi-Sensor Camera - Support was added for the new FLIR PT-Series HD camera.

The camera is shown in the navigation tree as two separate scenes – one for the visible spectrum camera, and one for the thermal spectrum camera. The scene being used for the primary view is highlighted, and the user can toggle views by clicking on the navigation tree entry.

The display in the Viewing Window provides a picture-in-picture view. The user can also toggle between cameras by clicking in the secondary picture.

New FLIR Ariel Corner Camera - Support was added for the Ariel 3MP Corner Camera, which features a specialized lens providing ceiling-to-floor and wall-to-wall field of view, packaged with a unique corner-shape form factor.

New FLIR Quasar Fixed Box Camera - Support was added for the new FLIR Quasar 4K fixed box multiple-resolution camera. The Fix Box camera can be switched from 4K daytime mode to 1080p lowlight / nighttime mode for optimum performance in high-traffic areas.

Support PTZ Tracking - The PTZ Tracking feature provides support for linking an analytics encoder and a PTZ camera, so that the user can set up customized rules and criteria on the encoder to define a perimeter and what to detect. Once a moving object is detected, the unit controls and moves the PTZ camera to autonomously track and zoom in on the detected object.

This version fully supports PTZ Tracking on FLIR PT-Series, PT Series HD, and A310pt cameras.

PTZ Tracking requires binding the cameras in FLIR Latitude with a TRK encoder.

TRK Firmware version: 2.2.0.13 and up.

Support Analytics Events via ONVIF - In this version we have enhanced our ONVIF support by adding support of **analytics events** via ONVIF.

The new events supported are:

- **Tripwire detection**
- **Intrusion detection**

This was added to the already-supported **Motion detection** and **Tamper** (scene change and lens cover) events.

Note: ONVIF protocol support for these events can vary between camera manufacturers. The fix is relevant only to cameras that expose the following ONVIF event topics:

"tns1:RuleEngine/LineDetector/Crossed" and "tns1:RuleEngine/FieldDetector/ObjectsInside"

DNA Support - This version will include the new DNA version 2.1.3.15.

A.2.2 Fixed Issues in 7.0.0.5780

CR ID	Description	Support Ticket
44526	Improved jittering in FLIR cameras by changing the buffer size in config file. To implement this functionality please contact FLIR Support.	
43647	Fixed issue where ONVIF based FLIR fixed cameras with digital PTZ were discovered as regular PTZ cameras even though they did not have a PTZ engine.	
44094	Fixed issue with the secured TLS connection to the EZ Client in Horizon and Meridian.	
44205	Fixed issue where once an action is saved once it cannot be modified.	
44366	Fixed issue where the video stream is restarting upon a change in external workspace.	74930
44340	FLIR Thermal Cameras resolution is now maintained in Horizon/Meridian, it is not changed by Horizon/Meridian upon camera discovery.	

CR ID	Description	Support Ticket
35387	Fixed issue where high quality video from Sony Gen 5 and Gen 6 cameras is not stable	
	Fixed issue where stand-by Directories did not receive database synchronization snapshots from primary Directory	67300
44387	Fixed issue of frequent video failure messages on client machine	73778
44425	Fixed memory leak (in ART) with Sony Gen1 camera	
44455	Fixed issue of overflow exception after the OS having uptime of 50 days	74418
44198	Fixed issues that layouts opened using a CCTV keyboard are not closed and eventually causing frame rate to drop	74684
44462	Fixed issue where Pelco D6230 was not discovered using ONVIF	
43424	Fixed Transcoder memory leak	71618
44479	Fixed issue where events were not passed between EDBs.	75264
44478	Fixed memory leak in ART in adaptive streaming.	72962 75353 75272 75327 73583
42605	Fixed issue where a standard user cannot login to CC and AC when DVTEL services are running on the same machine	68750
44502	Fixed issue where the login screen to the CC is distorted and the FLIR logo is partially covered.	
43889	Transcoder log is being flooded with too many lines of the same warning	75937
44569 44567 44563 44559 44556 44564	UI fix in Admin Center and Control Center – text that was cropped was fixed, wrong titles and error messages fixed, problems with tool tips fixed.	
44562	UI fix in AC/CC - Ctrl+A shortcut for selecting all text didn't work	

A.3. Version 7.0.0.5773

Please refer to V7.0.0.5773 for full details.

A.3.1 Summary of Features in 5773

System

Thermal Tab in Admin Center Camera Settings – In the Admin Center Camera page, when a Thermal Camera is selected, the Picture Settings page is replaced with a Thermal Settings page, giving the user access to the parameter fields that are used in defining Thermal Cameras.

Dual-Sensor cameras – When dual-sensor cameras (FLIR PT-Series) cameras are discovered, two entries are created in the Navigation tree – one for the visible-spectrum camera and one for the

Thermal-spectrum unit.

The Control Center display is also enhanced for these cameras, with the introduction of a Picture-in-Picture capability, so that the user can easily switch viewing between the two modes.

Additional Events – The system allows the user to configure various additional events for advanced thermal and analytic camera capabilities:

Radiometric Events – Radiometric Event Triggered and Event Cleared.

Thermal Analytics – Intrusion Started, Intrusion ended and Tripwire.

Additional Backup and Failover Capabilities – Scheduled Directory Backup, Backup Failure Event, Primary/Secondary Database Synchronization Monitoring, synchronization failure Event.

OSDs for .mp4 Exports – Exports in .mp4 format can now include a Timestamp.

Digital Zoom in EZ Client – The Web Client now allows the user a similar Digital Zoom experience as that available in Control Center.

Performance and administrative updates – An improved mechanism for de-jittering was introduced, a new License category was added for FLIR Recorders, an upgrade was made to the FF Playback functionality, and a new version of DNA was released.

Edge Devices

The following changes were made to Edge Device Support:

PT Camera Scan List - Automatic Stepping/Toggling through Preset list for PT-, D-, PT-Series HD and A310-PT cameras

Sony Gen 6 Camera – Ability to set MTU and image stabilizer parameters

Axis Plugin enhancement – Support for Audio-in on Q8414, and adjustment to licensing requirement for multi-imager cameras.

A.3.2 Fixed Issues in 7.0.0.5773

CR ID	Description	Support Ticket
43537	Fixed issue that Offline Synchronized Backup always plays in Key-Frame-only mode	
43536	Fixed issue that Key Frame Only key is not working	
43340	Fixed issue that Audio doesn't work when using WPF application	72864
43136	Improving the camera failover mechanism by reducing the recording gap in failover	71099
42729	Fixed the issue where output pin icon on map changed to 'X' when double clicked	69508
42799	Map Script – Correcting problem with the value of the Property 'ChangeAllToUnfocus' (was null or undefined)	68904
42798	Correcting problem of PTZ control from the DVTEL Keyboard joystick while PTZ trigger in Alarm sequence	69615
42580	Fixed issue where the SVA video source was crashing	64994
43384	Fixed issue where FLIR N336ZD1 camera going offline when motion is enabled	71217
43362	Fixed issue where FLIR N336ZD3 Tampering event is sent to the system but not being handled by Latitude	

CR ID	Description	Support Ticket
43596	GIS maps not functioning due to 'google Earth' EOL	73282
43663	Discovery page closes after failure\success even though it is set to remain open under Admin Center settings	73706
40624	Sony RZ30 fails to discover	64897
40704	DVTel unit sent multicast port zero which caused issues with recording	65216
43864	Disabled jittering mechanism which caused Control Center to crash in some instances	73509
43498	Fixed issue where Archiver shows cameras as inaccessible due to a handle leak in AM	71773

A.3.3 Limitations in 7.0.0.5773

Description
Users who had FLIR Recorders connected to their system before this release will need to get new licenses that specifically include FLIR Recorders from operations
The ONVIF implementation of the digital input event for the VIDEOTEC ULISSE unit is not functioning correctly.

A.4. Version 7.0.0.5762

Please refer to V7.0.0.5762 for full details.

A.4.1 Summary of Features in 5762

System

Support for up to 10K cameras per Directory – Large System capability was validated (subject to server specifications)

Secure connection when using EZ-Client – Users have the option to encrypt EZ-Client connections

MP4 Support – Clips can be exported in .mp4 format, thus allowing playback without the need for a proprietary playback application

PTZ Optical/Digital Toggle - Users can easily switch between Optical and Digital zoom

Edge Devices

Added FLIR Quasar Gen II CM-6206 H1-I Hemispheric camera

Support for cell-based Motion detection using Quasar Gen II – Configuration of Motion detection zones done through Admin Center – no need for accessing camera web page

Single Multicast IP address for multiple streams from Quasar Gen II

Support for 1080P resolution on Quasar Gen II Quad HD camera

Support of FC-ID Thermal Analytics Cameras

Support for FLIR Recorders

Support RTSP audio input

A.4.2 Fixed Issues in 7.0.0.5762

CR ID	Description	Support Ticket
42190	Issue has been fixed in SDK Player sample	67832
42363	Motion Detection now works with Pelco IMP1110-1E	67869
42416	Motion Detection now works with Arecont AV3256	67678
42193	Improved accessibility status of ONVIF cameras in case of slow networks	67007
42372	Latitude no longer pushes a time to Axis cameras regardless of storage on the edge	66808
40929	Can now save preset with Sony SNC-WR632 firmware 2.5 / 2.6.6	69093
42565	Latitude no longer automatically changes audio settings in Quasar Gen I	66290
42613	Video fixed on SightLogix cameras	66718
42578	Alarms fixed in Control Center where EDB is on same machine	68249
42714	Improved audio in quality in the VMS when using AAC format	
42387	Analogue Bosch PTZ camera with 7604e encoder does not work when serial port is set above 129.	68200
43128	Indigo Vision cameras not working after upgrade due to ONVIF digest authentication enabled	70965
43130	Control Center isn't launching after Windows 10 'Anniversary Update'	70967
42729	Output pin icon on map changed to 'X' when double click	69508
42921	Adaptive streaming causes video failure error message in Horizon ControlCentre	69886

A.5. Version 7.0.0.5745

Please refer to V7.0.0. 5745 for full details.

A.5.1 Summary of Features in 5745

Software Rebranding

LU 7.0.0.5745 saw the rebranding of the DVTEL software into FLIR following the acquisition of DVTEL by FLIR Systems, Inc.

New TruWitness app icon

The TruWitness and Mobile apps has been outfitted with the FLIR branding

Update Version Number

LU 7.0.0.5745 saw the addition of the exact LU number to the login screen and help about screen.

Alarm Functionality in EZ Client

LU 7.0.0.5745 saw the addition of the alarm support to EZ Client

Improved Maximize View in EZ Client

LU 7.0.0.5745 saw the addition of improvements to the maximized view in EZ Client

Improved error messages in Horizon and Meridian

This update includes improved error messages in both the Horizon and Meriden First Time Configuration Wizard as well as Horizon and Meridian manual edge device discovery.

Support for FLIR cameras

This update includes the newly added support for some existing FLIR edge devices.

For a list of devices, please see the “Supported Edge Device List” found at www.flir.com/security > Resources > Product Literature

DNA Rebranding

The DNA camera configuration tool has been branded with FLIR logos.

RTSP Setting from Latitude

The Latitude user interface was enhanced with an “RTSP Settings” button and form, allowing the user to provide the RTSP settings of the bound IP camera from Latitude.

Log into multiple Directories from Command Line

This feature allows an operator to have a system log into multiple United VMS systems via command line.

Firewall detection and warning

Control Center will warn the user at the login screen if the firewall is detected as turned on.

Faster Response Time to Failed Login

The time for the system to alert the user of a failed login has been made significantly faster.

Digest Authentication Support

Cameras that support only HTTP digest authentication are now supported.

Samsung PTZ Driver

The Samsung PTZ driver has been expanded to include control of patterns, wiper and OSD menu.

Client Support for Windows 10

Client only versions of Control Center and Admin Center are now supported on Windows 10 machines. Additionally, EZ Client supports Microsoft Edge Browser.

Distribution Ready Version of Horizon and Meridian

A new licensing mechanism has been deployed specifically for distribution models focusing on working as stand-alone NVR systems.

A.5.2 Fixed Issues in 5745

CR ID	Description	Support Ticket
40964	Export to .avi from Control Center corrected when using Microsoft Video 1 Codec.	64722
40258	Pelco scene no longer becomes inaccessible when setting separate stream	63748, 65008
40723	Added support to control PTZ of Pelco PTZ TXB-N	63501
61039	Honeywell Camera now works using RTSP Plugin in Horizon and Meridian	64015
40735	There is no longer an EntityJS map error when a map is opened in CC	64524
41262	Added support for single license for Arecont 12176DN	66046
41269	Re-added support discovery of DVTEL 9420 camera	65938
41280	Added support for single license for Axis Q6000	
39788	Transcoder no longer stops responding to video requests.	66166
41540	Cameras that support only HTTP digest authentication will now work. For example, new Axis cameras.	
41021	Config file's DB user and Password Changed after LU upgrade	65692
41965	Configuring an output pin action on Moxa device via Admin Center no longer produces an error	67356
41317	Mobile app no longer crashes on Android when trying to view 4K resolution	59394
42099	Samsung PTZ Driver that now supports Patterns/Wiper/OSD Menu	

A.6. Version 7.0.0.5710

Please refer to V7.0.0. 5710 for full details.

A.6.1 Summary of Features in 5710

Enhanced Playback timeline for EZ Client

Moveable, stretchable Timeline, with synced thumbnails

EZ Client Drilldown Thumbnail Search

Selecting a thumbnail allows drilldown to new set of thumbnails around selected time.

Digital Zoom in PTZ cameras

User can select Digital or Optical, and can use 'draw-to-zoom' in Digital view.

Logical IDs added in Horizon and Meridian

Facilitates use of CCTV/PC Keyboards on these platforms

New Edge Devices

IOI HD CB-5222 Bullet, Ariel Gen II line

A.6.2 Fixed Issues in 5710

CR ID	Description	Support Ticket
39310	Fixed issue with system macro when working in Multi-Directory systems when the monitors logical IDs are the same between systems. There is no need to change to unique logical ID anymore.	62540
39292	Fixed issue of PLC connection via serial port following an Archiver restart.	63009
39466	It is now possible to set bitrates less than 325Kbps for Pelco Spectra 4.	61380
40172	Fixed issue of "Analytics unavailable" message upon video flickering for ioi IP.	63041
40105	Fixed issue with Axis encoder PTZ settings resetting after Archiver failover.	63977
40006	Fixed lip sync issue when exporting clip to AVI.	63790
40227	Fixed issue which happened with Pelco camera when changing camera setting from a merged stream to separate streams.	63748
39659	Fixed issue with incident creation linked to audio out.	63477
40170	Fixed issue with alarms not being cleared in Control Center.	64007

A.6.3 Known Issues in 5710

Description
Transcoder upload bandwidth to the web client should fit the video profile and transcoder video profile setting. In case of low upload bandwidth there might be video latency.

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