



Teledyne FLIR  
Security Solutions

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## Release Notes

# United VMS 9.2.2 b1060

Latitude / Horizon / Meridian



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Security Solutions

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FLIR Systems, Inc.  
6769 Hollister Avenue  
Goleta, CA 93117  
Phone: 888.747.FLIR (888.747.3547)  
International: +1.805.964.9797  
[www.flir.com/security](http://www.flir.com/security)

For technical assistance, contact us at +1.888.388.3577 or visit the Service and Support page at [www.flir.com/security](http://www.flir.com/security).

#### Document History

| Version | Date       | Comment    |
|---------|------------|------------|
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# 1. Introduction

This TELEDYNE FLIR Latitude Upgrade gives users some newly available features, provides changes suggested by users, and clears some outstanding issues

UVMS Release 9.2.2 consolidates upgrades and additions which were included in the UVMS Latitude Upgrades (LUs) 9.2.0.3300. Full details of that upgrade may be found in the respective Release Notes on the FLIR Product website.

See:

- <https://www.flir.com/support/products/latitude/#Documents>
- <https://www.flir.eu/support/products/latitude/#Documents>
- [United VMS 9.2.0.3300 Release Notes](#)
- [United VMS 9.2.1.3333 Release Notes](#)

## 1.1 Summary of Key Features in Release 9.2.2

- Cyber Security Enhancement
- Manage Radar Zones/Tripwires
- Client and Server Stability
- Windows 11 Support (Client Side)
- New Integrations
  - Cameras
  - Radar

## 2. Product Features

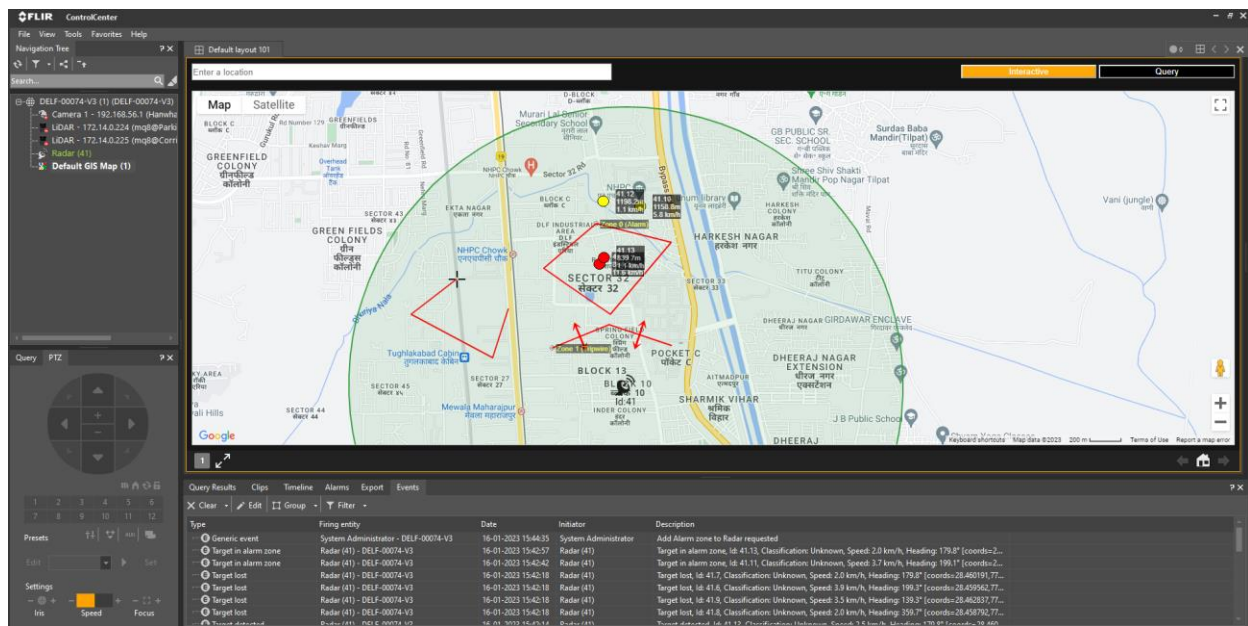
In this maintenance update, TELEDYNE FLIR has also added these enhancements and under-the-hood improvements that make their work more productive and their jobs easier.

The following are included here:

- [Manage Radar Zones/Tripwires](#)
- [Client and Server Stability](#)
- [Windows 11 Support \(Client Side\)](#)
- [New Camera Integrations](#)

### 2.1 Manage Radar Zones/Tripwires

In the Control Center, you can add, delete zones/tripwires in real time, or cancel current drawings with the Detection Systems (Radar integration) on your system.



### 2.2 Client and Server Stability

#### Improved Memory Leak Correction

Improved detected memory leak when correcting for the following:

- Alarm modes - These alarm modes were analyzed and corrected: Salvo, Flat, Block
- Chromium browser use
- Extended Live video play
- Tile resizing
- Control Center black tiles experience

### 2.3 Windows 11 Support (Client Side)

Latitude now supports installation of client side only package on Windows 11 machine.

## 2.4 New Camera Integrations

New camera integrations include:

- SOE support (H.264 only)
- New bitrate tables for Gen 4
  - \***Limitation:** Recommended bitrate values above 30 FPS may not be accurate
- Multicast streaming in H.265 for Gen 4

The following cameras are included in this section:

- [Quasar Premium AI](#)
- [FLIR FH Series](#)

### 2.4.1 Quasar Premium AI Cameras

Includes analytic events support and adaptive streaming.

#### Artificial Intelligence Video Analytics

- Advanced video analytics, person/face/vehicle, intrusion/tripwire, loitering, stopped vehicle, wrong direction, abandoned object, object removal, camera sabotage, and object/people counting
- AI increases reliability, and significantly reduces false alarms, allowing security staff to focus on other high-value tasks
- Seamless integration with FLIR's United VMS and third-party VMS systems via ONVIF Profile M

#### Advanced Situational Awareness

- Improve situational awareness; 4K UHD camera offers lens options for longer distances and wider fields of view over the competition
- Operates in no-light conditions with on-board IR-illumination up to 40 m/131 ft
- Optimize picture quality even in demanding lighting conditions with market-leading, low light sensitivity requiring only 0.04 lux to produce a color image
- View scene details, even in over-illuminated/dark areas, with our advanced Multi-Shutter WDR feature

The following is a list of Quasar Gen 4 AI supported cameras:

- Quasar Premium Mini-dome AI:
  - CM-6405-11-IA
  - CM-6408-11-IA
  - CM-6408-21-IA
- Quasar Premium 12MP Hemispheric Mini-dome AI - CM-6412-H2-IA

#### Notes:

- Edge Dewarping support added.
- Client-side Dewarping is not supported in 9.2.2.
- For Client Adaptive Streaming, consider the following:
  - Configure all the "camera streams" to the same "Dewarping" type (as listed under the "Fisheye" WebUI page).
  - Disable Adaptive Streaming in the Control Center (**Tools, Options, Video, General, Settings, Adaptive streaming** option).
- See [Other Issues](#), **Edge Devices** for known issues regarding these and other cameras.

## 2.4.2 FLIR FH Series

Radiometric and analytic events support.

**NOTE:** See **FLIR FH Series** known limitation in the [Other Issues](#) section.

The following are FLIR FH Series supported cameras:

- FH-313 R, 320x256, 13° FOV
- FH-324 R, 320x256, 24° FOV
- FH-369 R, 320x256, 69° FOV
- FH-617 R, 640x512, 17° FOV
- FH-625 R, 640x512, 25° FOV
- FH-644 R, 640x512, 44° FOV
- FH-669 R, 640x512, 69° FOV

### 3. Fixed Issues 9.2.2

The following table lists fixed issues in UVMS 9.2.2:

| Feature                 | Summary  |
|-------------------------|--|
| <b>Admin Center</b>     |  |
| VMS-277                 | User Interface   Save button glows in gray color instead of orange.  |
| VMS-329                 | Admin Center crashed after performing many (about 30) rediscovers from FLIR<->ONVIF and FLIR<->Generic.      |
| <b>Archiver Manager</b> |  |
| VMS-293                 | Case # 220610-000162 - Archiver crashes regularly daily at random times.                                     |
| VMS-307                 | Case # 220520-000432 - Discovery failed to any Archiver on the system due for Directory load.                |
| VMS-345                 | Case # 210514_132515 - Archiver handle leak as results of issues to initialized TRK unit.                    |
| <b>Bookmarks</b>        |  |
| VMS-346                 | Case # 211014-000080 - Exceptions occurred when creating high volume LPR bookmarks.                          |
| <b>Control Center</b>   |  |
| VMS-228                 | Control Center   Events   Incident custom title is in incorrect location.                                    |
| VMS-270                 | Control Center   Live video   In tile Properties > Advanced > Stream Source Address, port number is: 0.      |
| VMS-309                 | Case # 221125-000009 - Control Center black tiles in v9.2.   |
| VMS-325                 | Latitude 9.0 > Control Center > Memory leak and crash when Layout tour is running.                           |
| VMS-411                 | GIS Map Memory leak while showing radar tracks.  |
| VMS-420                 | Control Center   Crashed while clicking on tiles for a night.  |
| VMS-465                 | Case # 221220-000260 - Camera field-of-view range does not change according to the tilt level of the camera. |
| VMS-323                 | Case # 220811-000035 - V9.2 Control Center Crashes on Windows 11.  |
| VMS-337                 | Case # 0032067 - Control Center crashing after playing video on Server OS.                                   |



| Feature                           | Summary   |
|-----------------------------------|---|
| VMS-390                           | Case # 220721-000716 - Control Center freeze\hangs as result of Alarm opening in Control Center.  |
| VMS-407                           | Full Sanity Test new DVTEL keyboard with v9.2.1.  |
| <b>Control Center "Auto Lock"</b> |   |
| 50156                             | The authentication username and password are always of the initial user that logs in to the system via the Control Center. Switching users requires an application's restart.   |
| 51159                             | "Auto Lock" feature does not apply when opening Control Center from within Admin Center.  |
| 51160                             | When activating "Auto Lock", not all windows are concealed.<br><br>When the Control Center is locked, some application modal windows are closed instead of being hidden (not including the tile screens, Tools → Options, and other windows). |
| <b>Database (SQL)</b>             |   |
| VMS-193                           | Installation   While upgrading Latitude version and the backup of DB fails, the installation continues with the upgrade process.  |
| VMS-517                           | VMS   DB installer using the old password.  |
| <b>Directory</b>                  |   |
| VMS-488                           | Case # 221228-000295 - Directory working slowly and high handle after upgrade to v9.2.1.  |
| <b>Edge Devices</b>               |   |
| VMS-203                           | Case # 220228-000063 - No video stream from Control Center-3103 when Adaptive Streaming is enabled.   |
| VMS-403                           | Latitude > Control Center   VA events are not displayed with all available data in CM-6408-21-IA and CM-6412-H2-IA cameras.   |
| VMS-444                           | Case # 221220-000261 - Support for Axis C1310 VS C3003-E - Issue with Audio out from Latitude.  |
| VMS-461                           | CM-6412-H2-IA   Digital zoom works slowly (in edge side dewarping).   |
| VMS-542                           | FH-Series   Visible and Thermal analytics are mixed.  |
| VMS-633                           | TRK/Latitude Analytics Issues - False alarm and/or no alarm.  |

| Feature                           | Summary  |
|-----------------------------------|--|
| <b>GIS Map</b>                    |  |
| VMS-412                           | GIS Map marker focus issue.  |
| VMS-465                           | Case # 221220-000260 - Camera field-of-view range does not change according to the tilt level of the camera.   |
| <b>Map Builder</b>                |  |
| VMS-564                           | Case # 2301116-000299 - CTRL Zoom does not work on custom maps after moving to Chromium (v9.0) - regression from v8.0.                                   |
| <b>UVMS Core</b>                  |  |
| VMS-200                           | Case # 221103-000707 - TruWitness leftovers which cannot be removed after upgrade to v9.2 from v8.1.   |
| VMS-291                           | Case # 220717-000075 - Provide a script/SDK application to run before the upgrade that converts passwords to base char 16 in v9.2.                       |
| VMS-626                           | Failed to install latitude when "Microsoft Visual C++ 2015_2022 Package" installed.  |
| <b>Transcoder</b>                 |  |
| VMS-191                           | Case # 220407-000362 - Unable to secure video as Proxy for some cameras.   |
| VMS-198                           | Case # 220401-000100 - Transcoder ceases to function (no video, can login).  |
| VMS-219                           | Case # 211028-000022 - Transcoder high memory and ceased to work after a day – MIMOS.  |
| VMS-512                           | Case # 211028-000022 - Transcoder high memory and stopped working after a day.   |
| <b>Web Client Login Using TLS</b> |  |
|                                   | For a UVMS system using Microsoft Azure Active Directory, while a Certificate is in use for a Web Client access, it is inaccessible on the Admin Center. |

## 4. Known Limitations

The following is a known UVMS 9.2.2 installation pre-requisite:

- Uninstall **Microsoft Visual C++ 2015\_2022 Package** before installing Latitude 9.2.2.

## 5. Other Issues

The following table lists other issues in UVMS 9.2.2:

| Issue Key             | Summary   |
|-----------------------|---|
| <b>Admin Center</b>   |   |
| VMS-250               | Saturation setting is disabled after setting to 0 value.  |
| VMS-520               | "TruWITNESS" is not removed from Latitude.  |
| VMS-545               | Storage On Edge (SOE)   Missing SD card information on FLIR cameras.  |
| VMS-549               | Map Builder   Cannot Zoom-in after importing picture \ map.   |
| VMS-562               | Admin Center   Status bar refresh can (incorrectly) be set below zero value.  |
| <b>Control Center</b> |   |
| VMS-252               | Camera sequence unifies the stream video ratio in FLIR fisheye cameras.   |
| VMS-296               | Case # 220916-000050 - Sync playback and query do not work when Windows language format is not English US.  |
| VMS-340               | Control Center   In the French translation to "Auto Lock" section, the two lines are not at the same height.  |
| VMS-341               | Control Center   In the Spanish translation to "Auto Lock" section, the two lines are not at the same height, and the title does not fully display in lock screen.        |
| VMS-342               | Control Center   In the Italian translation to "Auto Lock" section, the two lines are not at the same height.   |
| VMS-343               | Control Center   In the Japanese translation to "Auto Lock", the "Auto Lock" window title is not fully displayed.   |
| VMS-344               | Control Center   In the Polish translation to "Auto Lock" section, the two lines are not at the same height, and in the lock screen the title does not fully display.     |
| VMS-348               | Control Center   In the Portuguese translation to "Auto Lock" section, the two lines are not at the same height, and in the lock screen the title does not fully display. |
| VMS-351               | Control Center   In the Russian translation to "Auto Lock" section, the two lines are not in the same height and in lock screen the title does not fully display.         |
| VMS-354               | Control Center   In the Taiwanese translation to "Auto Lock", there are issues with English localization.   |

| Issue Key             | Summary   |
|-----------------------|---|
| <b>Edge Devices</b>   |   |
| VMS-551               | Control Center   Digital zoom performed at a reduced rate for every new stream.   |
| VMS-637               | In the Control Center, when you enable both visible and thermal SOE download, HB (FH-608-ID) does NOT download the thermal stream.  |
| VMS-706               | Latitude and Radar > The ACTION tab lacks an option to create Radar events.   |
| VMS-777               | Case # 230118-000004 - Axis image rotation is not set by Latitude after a camera partial reset occurs.                              |
| <b>Reporting Tool</b> |   |
| VMS-496               | Case # 221220-000100 Custom Report - Cannot filter based on the selected item only.   |
| <b>UVMS Core</b>      |   |
| VMS-304               | Case # 220717-000075 - Auto Directory backup should be set by default to Enable. If a backup is required, you must manually enable. |

## 6. Upgrade Instructions

The only upgrade path is from 9.2 build 3300, or later.

### 6.1 Upgrade Steps

**Note:** See [Known Limitations](#) for additional information.

To obtain the update executable, do one of the following:

- Download the upgrade program the FLIR website:
  - For **Latitude**: <https://www.flir.com/support/products/latitude#Resources>
  - For **Horizon**: <https://www.flir.com/support/products/horizon#Resources>
  - For **Meridian**: <https://www.flir.com/support/products/meridian#Resources>
- If the desired update version number is unavailable on the website, contact Support at +1 888 388 3577

**Notes:**

- Deploy the VMS update on all machines – servers, clients and SDK applications.
- Manually close SDK applications before starting upgrade procedures.
- You must restart Admin Center and Control Center when the upgrade is complete.

**Follow these steps:**

1. Close the client applications before running the downloaded 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 wizard completion.

3. Upgrade the system server side, starting with the Directory server if not an all-in-one system.
4. Once the server upgrade concludes, open Control Center over a client workstation and connect to the server.

You are be prompted to upgrade to the new version. After accepting, the new version downloads over the network and automatically installs.

When the installation is complete, Windows Services automatically launches.

### 6.2 Upgrade Limitations

The following are 9.2.2 upgrade limitations:

- During the upgrade process, Directory synchronization is not maintained until all Directories are upgraded.
- Use of Windows “Remote Desktop Protocol” (RDP) to load the update with “Automatic Client Update” feature is not supported.
- If “Mentor” is installed on the client machine, Automatic Client updates do not work.
- When running Automatic Client updates while not signed into Windows as an administrator, the Update screen and Progress Bar are hidden from the user.

## 7. Additional Resources

For more information about the VMS system, visit <https://www.flir.com/browse/security/video-management-systems/>

## 8. Windows Updates

**Note:** Stop VMS Windows Services prior to applying Windows Updates.

## 9. Protect Your FLIR Security Product

FLIR strongly recommends following good security practices that protect against malware in general, as that also help protects against possible exploitation. This includes ensuring devices that are using a Windows OS such as Latitude, Horizon, Meridian, and USS servers are deployed with the recent Windows Updates, and employing anti-virus updates.

## 10. Disclaimer

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**FLIR Systems, Inc.**

6769 Hollister Ave  
Goleta, CA 93117  
USA

PH: +1 805.964.9797

PH: +1 877.773.3547 (Sales)

PH: +1 888.388-3577 (Support)

FX : +1 805.685.2711

<http://www.flir.com/security>

Corporate Headquarters

FLIR Systems, Inc.

27700 SW Parkway Ave.

Wilsonville, OR 97070

USA

PH: +1 503.498.3547

FX: +1 503.498.3153

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