FLIR
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# Release Notes

# United VMS 9.2.5 1117

## Latitude / Horizon / Meridian

Ver. 1.0

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### Document History

| Version | Date | Comment |
|---|---|---|
| 1.0 | December 2023 | GA release |

# Table of Contents

# 1. Introduction

This Teledyne FLIR Latitude Upgrade (LU) introduces newly available features, provides changes suggested by users, and clears up several outstanding issues.

UVMS Release 9.2.5 consolidates all upgrades and additions which were included in the previous LUs of major release 9.2.0. Full details of these upgrades may be found in their 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
- United VMS 9.2.2.1060 Release Notes
- United VMS 9.2.3.1121 Release Notes
- United VMS 9.2.4 1163 Release Notes

# 2. Product Features

In this update, TELEDYNE FLIR has added these enhancements and under-the-hood improvements:

- Re-arm TRK
- Auxiliary Device Support
- Cyber Security Hardening
- Camera Sequence Pop-out
- Email Server Test Option
- Admin Center Dashboard to Physical View Direct Link
- Admin Center Dashboard Displays Additional Users
- Forward Compatibility Improvements
- Certification

## 2.1 Re-arm TRK

When the arming of a device for analytics fails due to network disconnection or other reasons, Latitude will dispatch a new event type named **Analytics Rearm Failed**. Upon this failure event, the administrator has the option to configure various actions, such as sending a notification email to a predetermined recipient.

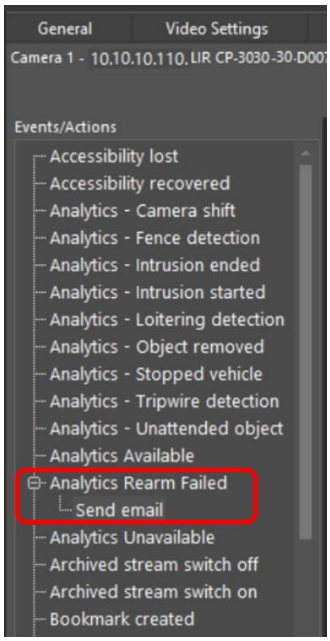


*Figure 1 – Re-arm TRK*

## 2.2 Auxiliary Device Support

Latitude now downloads ONVIF supported auxiliaries (e.g., wipers, IR lamps, heaters, thermometers, washers, etc.) on camera discovery. These auxiliaries are listed in the **AUX** listing in the Admin Center and Control Center and can be managed using the **Play** and **Stop** buttons.

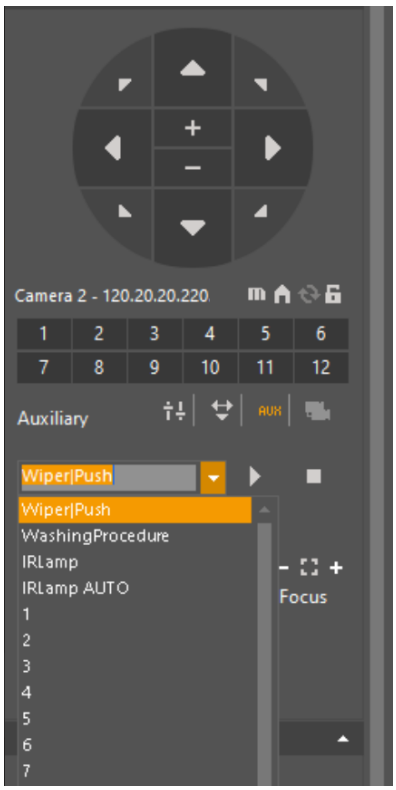


*Figure 2 – Auxiliary Device Support*

## 2.3 Cyber Security Hardening

We have introduced cyber security hardening features that include the following:

- Safe mechanism for password changes.
- Protection against brute force attacks during the login process.
- Monitor and alert unprotected video streams.

## 2.4 Camera Sequence Pop-out

This feature enables you to quickly open a specific Control Center video scene from a camera sequence in a new tile.

You can pop-out the video scene in the following:

- New Tile
- Armed for Alternative Content Tile

## 2.5 Email Server Test Option

In the Admin Center, a **Test** button is added to the Mail Server **Configuration** section to verify that the mail server is properly configured to send an email to recipients, alerting them to issues.

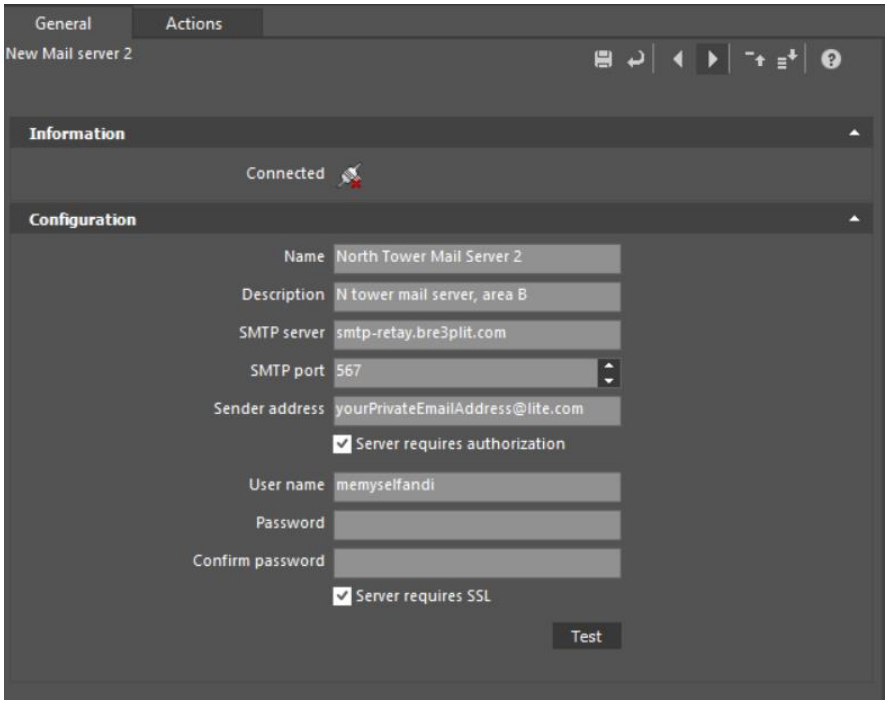


*Figure 3 – Email Server Test Option*

## 2.6 Admin Center Dashboard to Physical View Direct Link

You can directly access the camera **Physical View**, **General** tab from the Dashboard **Cameras** table. This provides a quick, direct access to the camera parameters and settings.

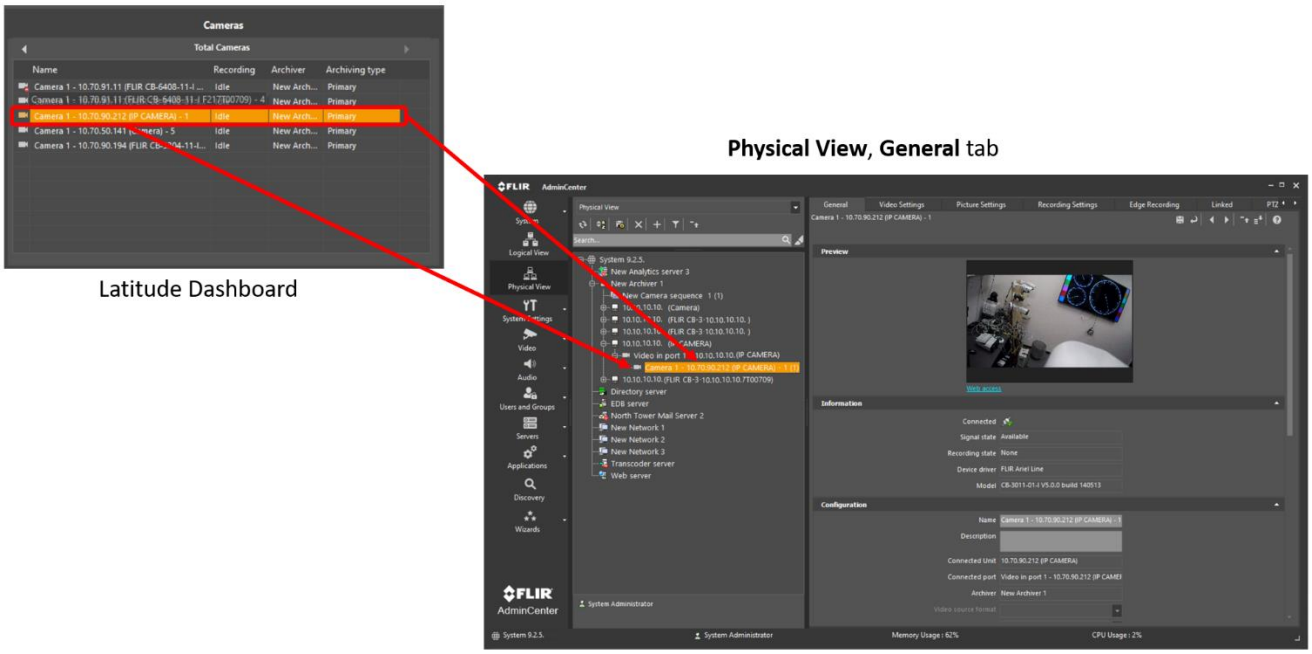


*Figure 4 – Admin Center Dashboard to Physical View Direct Link*

## 2.7 Admin Center Dashboard Displays Additional Users

Admin Center Dashboard now displays logged-in Web Client and SDK app users.

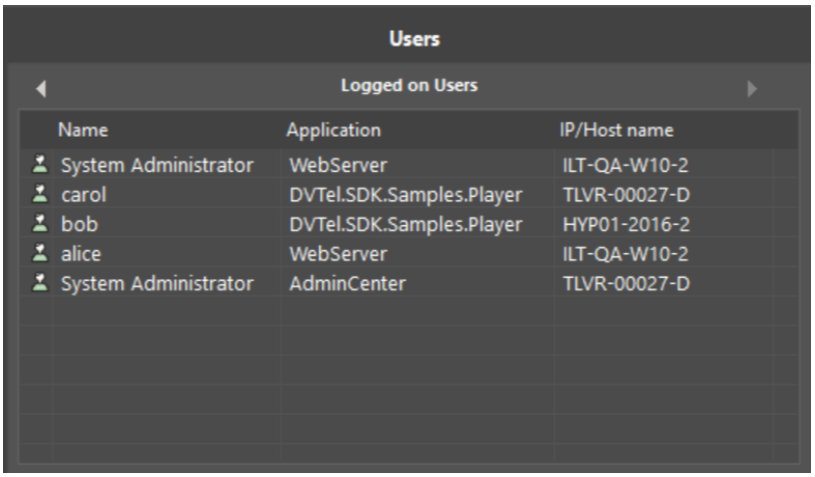


*Figure 5 – Admin Center Dashboard Displays Additional Users*

## 2.8 Forward Compatibility Improvements

The following forward compatibility improvements are included:

- Dynamic attributes introduced on previous release (9.2.3) enabling superior integration with future cameras.
- Added JSON attributes for all Quasar Cx-64xx-xA cameras. For example, now you can use UVMS to configure VMD and VA at the same time for these cameras.

## 2.9 Certification

FLIR UVMS is now certified by the BDO Cybersecurity Center, who conducted potential security risks in the FLIR UVMS desktop and web-based applications. The FLIR UVMS Cybersecurity Penetration Test – Certification will be located on the FLIR UVMS website.

# 3. Fixed Issues 9.2.5

The following table lists fixed issues in UVMS 9.2.5:

| Feature | Summary |
|---|---|
| **Admin Center** | |
| VMS-2711 | FLIR vAI added improvements. |
| VMS-2332 | In the Admin Center, DLV actions are now displayed with the new Analytics Server add-on. |
| VMS-1454 | In both the Admin Center and Control Center, when logging in to two systems simultaneously, both with Multi Factor Authentication (MFA) enabled, the **Enter Pin Code** dialog does not indicate which system requires the Pin Code. |
| VMS-1558 | In the Admin Center, with Multi Factor Authentication (MFA) enabled in the Web Client, with a new regular user added after MFA enabled, cannot change its password and login to the Web Client. |
| VMS-1594 | In the Admin Center, when using the Key Disaster Recovery feature, the animation continues to run after the Create Request fails. |
| VMS-1609 | In the Admin Center, for the Key Disaster Recovery feature, the import confirmation message has been simplified. |
| VMS-1613 | In the Admin Center, when using the Key Disaster Recovery feature, to begin a request, you must click the **OK** button. |
| VMS-1718 | In the Admin Center, there is no information about the EDB DB instances. |
| VMS-1868 | In the Admin Center, the **Undo** button saves changes in the Camera alarms menu. |
| VMS-1879 | In the Admin Center, when navigating from Map Builder to another entity, a **Save Changes** dialog displays when no changes were made. |
| VMS-1989 | In both the Admin Center and Control Center, when logging in, extra spaces in the **Directory or Gateway** field caused connection issues. |
| VMS-2005 | In the Admin Center, when creating tripwire settings, the direction for the **Rules** setting does not always function as designed. |
| VMS-2007 | In the Admin Center, video failed to stream after discovering a camera from MJPEG to H.264 with ONVIF plugin. |
| VMS-2012 | In the Admin Center, when creating a tripwire, the **Rules** settings direction does not function correctly. |
| VMS-2112 | In the Admin Center, when a camera (FLIR CB-3102-11-1) is discovered, and the camera web mode is OFF, the **IP Filtering** mode is set to **Allow specified addresses** in the **Security** tab. |

| Feature | Summary |
|---|---|
| VMS-2740 | In the Admin Center, more specific error message describes issue. |
| VMS-2814 | In the Admin Center, for Global Admin Server, in the Add/Remove program, the correct version now displays. |
| VMS-304 | Auto directory backup should be set to Enable (default). |
| VMS-718 | In the Admin Center, when you configure Analytics via the web, some tabs (**Rules**, **Depth Calibration**, **General Settings**) should be disabled. |
| VMS-951 | In the Admin Center, bitrate values (30-60 FPS) do not display for a specific set of cameras (e.g., Quasar). |
| VMW-1674 | In the Admin Center, when exporting keys using the System Key Manager, the filename sometimes incorrectly displays in the confirmation message. |
| **Control Center** | |
| VMS-1373 | In the Control Center, a programming typo revealed an unnecessary semi-colon in the **Events**, **Description** column. |
| VMS-1683 | In the Control Center, for C&T feature, the PTZ lock blocks locking the session when overriding with the **Lock** button. |
| VMS-1687 | In the Control Center, for C&T feature, when engaging the PTZ pattern, the **Play** button does not switch to stop when starting to track (default state). |
| VMS-1942 | In the Control Center, for C&T feature, the C&T button displays when the user is blocked for PTZ. |
| VMS-1948 | In the Control Center, for C&T feature, new zoom buttons must be disabled when the PTZ is locked. |
| VMS-2752 | In the Control Center, the **Clips** query does not correctly function for clips with a specific JSON protocol. |
| VMS-2905 | The Control Center crashes due to access violation after several minutes (5+) runs alarms with video trigger to arm tiles. |
| **Installer** | |
| VMS-1476 | Installation via silentinstaller.exe requires user input. |
| VMS-2770 | MS Defender Antivirus fails during a Latitude installation. |
| **Software Security** | |
| VMS-2113 | QCC malicious file detection. |

# 4. Known Limitations

This section contains a list of known limitations for 9.2.5 GA.

## 4.1 Admin Center

### 4.1.1 Presets Command Disabled in Admin Center and Enabled in Control Center

In the Admin Center, the PTZ compass **Presets** command is disabled. A suggested workaround is to use the Control Center **Presets**.

### 4.1.2 Hue Picture Setting Inactive

In the Admin Center, the **Hue** picture setting is inactive for certain cameras.

### 4.1.3 Noise Reduction Picture Setting Inactive

In the Admin Center, the **Noise Reduction** picture setting is inactive for certain cameras.

### 4.1.4 Enable IP Filtering "Allow specified addresses" Changes Camera Status to Disconnected

In the Admin Center, in IP Filtering when you select the **Allow specified addresses** option, the camera status displays as disconnected for a CM-3505 and CM-3508 cameras and CM-3505_20230728 firmware.

## 4.2 Control Center

### 4.2.1 Auxiliary Command is Disabled in the Control Center and Enabled in the Admin Center

In the Control Center, the **PTZ Auxiliary** command is disabled. A suggested workaround is to enable the Auxiliary command in the Admin Center.

## 4.3 Edge Devices

### 4.3.1 Unstable SOE

Storage on Edge in CM-6412-H2-IA and FH-series is currently unstable.

## 4.4 Localization

### 4.4.1 Secure Password Change Not Localized

Secure Password Change NOT translated to Korean and Taiwanese languages.

### 4.4.2 User Locked Not Localized

User locked for 30 minutes NOT translated to Korean and Japanese languages.

### 4.4.3 PTZ Aux Tooltip Not Localized

The tooltip for the PTZ Aux command in the Admin Center and the Control Center is NOT localized to the Japanese language.

# 5. Upgrade Instructions

The only upgrade path is from 9.2.0 build 3300, or later.

The following Windows versions are supported for clean machines and upgrades:

- Windows 10
- Windows 11
- Windows 2012R2 (upgrades from earlier than 9.2.0 only)
- Windows 2016
- Windows 2019
- Windows 2022

**Note**: SQL upgrades from 2012 to 2017 under these conditions.

## 5.1 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 resumes 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 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.

## 5.2 Upgrade Limitations

The following are 9.2.5 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.

# 6. Additional Resources

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

# 7. Windows Updates

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

# 8. Protect Your FLIR Security Product

FLIR strongly recommends following good security practices that protect against malware in general, as that also help protects against 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.

# 9. Disclaimer

By providing this document, Teledyne FLIR LLC. does not make any representations regarding the correctness or completeness of its contents.

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