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Applications and Integration Center (AIC)

"If you can dream it, we can build it"

FLIR's Application & Integrations Center (AIC) provides custom automation, operation and third party integration to FLIR's Latitude Network Video Management System so that every FLIR solution has the ability to be tailored to the customer's requirement.

Note: Please check with your local RSM/Pre-Sales Engineer for the specific Latitude versions supported and 3rd party versions compatibility.

LIST OF INTEGRATIONS

* In blue - integrations developed by Partner

ACCESS CONTROL :

* **DDS:** The integration module integrates DDS access control system with FLIR's Latitude NVMS. DDS acts as the front end.

* **ICT (Integrated Control Technology Limited):** The integration module integrates ICT's access control system with FLIR's Latitude NVMS. ICT acts as the front end.

* **Inner Range:** The integration module integrates Inner Range's access control system with FLIR's Latitude NVMS. Inner Range acts as the front end.

* **Gallagher (Cardax) - Cardax FT (B):** The Gallagher- FLIR Integration module integrates Gallagher system with FLIR's Latitude NVMS. Gallagher acts as the front end.

AMAG Visualizer EN-7904-A Encoder Plugin: The purpose of this FLIR Latitude VMS plugin is to support the following AMAG Visualizer (NVC Series) encoders:

Model EN-7904-A (fully tested)

EN-7901-A (supported by design)

The feature set added by the plugin includes:

Manual and automatic discovery of the encoder

Receiving video from the encoder's video channels (a single h.264 stream per video channel is supported)

Controlling an analogue PTZ camera connected to the serial port of the encoder

Axis Door Controller (F): The FLIR-Axis Door Controller (F) module integrates FLIR's Latitude VMS and Horizon NVR systems with Axis's A1001 Network Door Controllers.

Forcefield (F) Integration: The FLIR-Forcefield (F) module integrates FLIR's United VMS system with the Interlogix Forcefield security system. The integration provides a means to trigger/clear alarms or dispatch external events in FLIR's United VMS as a result of Forcefield events. In addition, sending preconfigured events to Forcefield upon triggered/cleared FLIR VMS alarms (or dispatched external events) is also supported. The integration module supports the same general feature set across FLIR's United VMS installations (Latitude/Horizon and Meridian) with a single exception that only Latitude supports "External Event" related features, while alarms are supported across all the VMS types.



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Galaxy (F): The FLIR-Galaxy(F) module integrates FLIR's Latitude VMS and Horizon NVR systems with Honeywell's Galaxy Dimension Panel.

Gallagher (Cardax) (F): The FLIR-Gallagher Integration application integrates the Gallagher system with FLIR Latitude NVMS. FLIR acts as the front end.

Brivo (F): The FLIR-Brivo (F) module integrates FLIR's Latitude system with Brivo's WebService and OnSite access control systems. FLIR acts as the front end.

Keyscan (F): The FLIR-Keyscan (F) module integrates FLIR's Latitude and Horizon NVMS systems with Keyscan's access control systems.

Lenel - OnGuard (F): The FLIR-Lenel (F) module integrates Lenel's OnGuard access control system with FLIR's Latitude NVMS. FLIR acts as the front end.

Lenel - OnGuard (B): The FLIR-Lenel (B) integration module integrates Lenel's OnGuard access control system with FLIR's Latitude NVMS. Lenel acts as the front end.

Paxton (F): The FLIR-Paxton module integrates FLIR Latitude NVMS systems with Paxton's Net2 access control system. FLIR acts as the front end.

POS: The FLIR-POS integration provides a means to link between transactional data originating from POS (Point of Sale) terminals and live/recorded video controlled by FLIR's video management systems - Latitude, Horizon and Meridian. The FLIR-POS integration focuses primarily on acquiring POS data directly from individual POS terminals in order to provide a solution independent from specific ERP back-ends and have access to live transactional data.

AMAG (B): The FLIR-AMAG (B) integration module integrates AMAG's Symmetry access control system with FLIR's Latitude NVMS. Symmetry acts as the front end.

*** Pacom Systems:** Pacom Systems using GMS (Graphical Management System) integrates to FLIR's Latitude NVMS.

*** Honeywell Pro-Watch:** Tyco Integrated Systems has integrated Honeywell's Pro-Watch access control system with FLIR's Latitude NVMS.

*** Schneider Electric - Continuum:** The Continuum integration module integrates Andover Continuum Security management system with FLIR's Latitude NVMS.

*** Seibold Security:** The integration module integrates Seibold access control system with FLIR's Latitude NVMS. Seibold Security acts as the front end.

S2 (F): The FLIR-S2 (F) module integrates FLIR's Latitude and Horizon NVMS systems with S2's access control system. FLIR acts as the front end.

Siemens - SiPass (F): The FLIR-SiPass integration module connects multiple FLIR's Latitude NVMS systems and Siemens's SiPass access control system. FLIR acts as the front end.

Siemens - SiPass (B): The FLIR-SiPass module integrates Siemens's SiPass access control system with FLIR's Latitude NVMS. SiPass acts as the front end.

Software House - C-CURE 800(F): The FLIR IP Interface integrates Software House C-Cure 800 with FLIR's Latitude NVMS. FLIR acts as the front end.



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Software House - C-CURE 9000(B): The FLIR Software House(B) integration module integrates Software House C-Cure 9000 with FLIR's Latitude NVMS. Software House acts as the front end.

AUDIO :

AE-40: The FLIR AE40 integration module integrates AE40 IP voice capabilities with FLIR's Latitude NVMS.

Stentofon: The FLIR-Stentofon integration module integrates Stentofon AlphaNet devices with FLIR's Latitude NVMS.

Bogen: The FLIR-Bogen module integrates FLIR's Latitude VMS (or Horizon NVR) with Bogen's Quantum Commander solution.

GIS :

* **Praetorian - L3:** L3 integration module using geographic information system (GIS) functionality integrates with FLIR's Latitude NVMS.

LPR :

HTS: The FLIR HTS integration module integrates HTS's license plate recognition engine with FLIR's Latitude NVMS. Inside Latitude's Control Center the integration provides a seamless archiving and monitoring tool of events generated by HTS.

Vigilant Video: The FLIR Vigilant Video module integrates the Vigilant Video license plate recognition engine with FLIR's Latitude NVMS. Inside Latitude's Control Center the integration provides a seamless archiving and monitoring tool of events generated by Vigilant DSP CarDetector Fixed system.

Perimeter :

El-Far: El-Far Electronics Systems develops and produces advanced perimeter security technologies The FLIR's Latitude NVMS integrates with Elfar.

Senstar: The FLIR Senstar module integrates Senstar's alarm annunciation, control and communication system with FLIR's Latitude NVMS. The integration channels Senstar events and alarms to the Latitude system.

Gunshot :

Boomerang: The FLIR-Boomerang module integrates Boomerang's gunshot detection system with FLIR's Latitude NVMS. The integration provides a seamless archiving and monitoring tool of events generated by Boomerang using Latitude's Control Center and Admin Center applications.

ShotSpotter: The FLIR-ShotSpotter module integrates ShotSpotter's gunshot detection system with FLIR's Latitude NVMS. FLIR acts as the front end.

Safety Dynamics: The FLIR-Safety Dynamics module integrates Safety Dynamic's gunshot detection system with FLIR's Latitude NVMS. FLIR acts as the front end.



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PSIM:

- * **ISM:** ISM integrated security management system integration module integrates to FLIR's Latitude NVMS.
- * **KapLogic:** KapLogic security integration module integrates to FLIR's Latitude NVMS.
- * **Maxxess:** MAXXESS eFusion / eAXxess Security Management System integrates to FLIR's Latitude NVMS.
- * **Motorola:** Motorola's video security integration module integrates to FLIR's Latitude NVMS.
- * **Nice - Orsus:** Orsus® security management software integrates to FLIR's Latitude NVMS.
- * **Rontal:** Rontal's security information management solution integrates to FLIR's Latitude NVMS.
- * **VidSys:** Vidsys's Physical Security Information Management (PSIM) system integrates with FLIR's Latitude NVMS.
- * **Proximex:** Proximex's Physical Security Information Management (PSIM) system integrates with FLIR's Latitude NVMS.
- * **Cortech:** Cortech's Physical Security Information Management (PSIM) system integrates with FLIR's Latitude NVMS.
- * **iComply:** iComply's Physical Security Information Management (PSIM) system integrates with FLIR's Latitude NVMS.
- * **Sentinel:** Sentinel's Physical Security Information Management (PSIM) system integrates with FLIR's Latitude NVMS.

Video Analytics:

- * **BriefCam:** The BriefCam analytics integration module integrates BriefCam's video synopsis capabilities with FLIR's Latitude NVMS.

KAI Square: The FLIR KAI Square module integrates KAI Square's video analytics system with FLIR's Latitude NVMS. The integration provides on screen display of real-time and recorded analytics metadata, and triggers VMS events and alarms upon analytic rule violations generated by KAI Square server. FLIR acts as the front end.

- * **Magal:** Magal's DreamBox integration module integrates Magal with FLIR's Latitude NVMS. FLIR acts as the front end.

- * **iCetana:** iCetana's iMotionFocus integration module integrates iCetana with FLIR's Latitude NVMS. FLIR acts as the front end.

Server Video Analytics (SVA): The FLIR Server Video Analytics module takes advantage of FLIR'S video analytics engine that provides a seamless incorporation and display of real-time OSD metadata events and alarms into Latitude NVMS. FLIR acts as the front end.

- * **Snap Network Surveillance Pty Limited:** The integration module integrates Snap Force Multiplier with FLIR's Latitude NVMS. SNAP acts as the front end.

- * **Vidient Systems:** The Vidient analytics integration module integrates Vidient System with FLIR's Latitude NVMS.



Video Wall:

* **Activu:** The Activu video wall integration integrates Activu's video wall with FLIR's Latitude NVMS.

LIST OF APPLICATIONS

* In blue - integrations developed by Partner

Alarm Based Tile Pattern Switching: The aim of this plugin module is to display alarm associated cameras in a tile pattern matching the number of cameras, to best utilize the video display space at any given time.

AlarmWAV: The Alarm WAV Plug-in is a Latitude Control Center plug-in, which provides user customization of audible alerts Control Center generates when a Latitude alarm is triggered in the system.

Archiver Refresh: The Archiver Refresh Tool is a standalone application, helping users with upgrading ("refreshing") their Latitude Archiver hardware, while preserving the original footage that was recorded by the old server. The tool automates the refresh process by transferring the necessary data (footage and related metadata) from the old to the new hardware, while keeping the minimum recording downtime possible.

Archiver Migration: Archiver Migration Tool is a standalone application allowing users to migrate an existing Archiver and its managed edge devices from a source Directory to a destination Directory. Original video footage recorded while the Archiver was managed by the source Directory becomes accessible from the destination Directory when the migration process is complete.

Analytics Arm Disarm Action: The "Analytics Arm / Disarm Actions" plugin module introduces two new actions into FLIR's Latitude VMS, allowing users to arm or disarm supported analytic camera(s) upon any Latitude event. Users can configure the action from the Latitude AdminCenter client, by adding an "Analytics - arm cameras" or "Analytics - disarm cameras" action upon any event, and select which analytic cameras to arm or disarm based on the selected action. Once the event occurs, the plugin module will arm/disarm the selected analytic camera(s).

Camera Users Report: The aim of this AdminCenter add-on is to allow creating a report of users' access rights per camera. The report can be triggered from the root of the physical or logical trees in AdminCenter and is generated in the form of a .CSV file that can be opened for example by Microsoft Excel.

DVT Export Encryption: The aim of this Control Center add-on is to automatically encrypt newly exported DVT files and seal them into Zip files with the password. A user interface in Control Center client allow the users to specify the encryption password.

Global Login Tool: The FLIR Global Login Tool provides a means to easily login to preconfigured remote systems from one central global system, either manually or automatically upon alarm. A GIS map in the global system (additional license required) displays the remote systems in their geographical positions allowing for an even easier connection to the systems.

On Screen Bookmark Display: This is a Control Center plugin which allows displaying the text description of bookmarks as OSD text on top of recorded video during its playback.

IP Interface: The Latitude IP Interface extends Latitude's event-action paradigm and allows third-party applications to send commands and receive Latitude events over a TCP socket in the form of text streams.



LatiChat: LatiChat is Latitude's chat application, with which Control Center users can communicate by sending text messages to one another.

Momentary Output Pin Change: The Momentary Output Pin Change Module offers a solution via which a user can momentarily change the state of an output pin via a button in Control Center.

MP4 Export Tool: This tool exports recorded Audio/Video clips from FLIR's Latitude NVMS to a specified location in MP4 format. Files can later be accessed and played by iPads, iPhones or PCs.

Multi Directory Tools:

Multi Directory Actions: The Multi-Directory Action tool provides support for actions that are to be performed in another directory.

Multi Directory Layout: The Multi-Directory Layout tool allows a Control Center user to create, save and load layouts which display cameras, sequences and other Latitude entities from multiple Directory servers.

Multi Directory Sequence: Multi-directory sequence is defined as a display mode wherein several cameras from multiple connected Latitude systems are shown cyclically, each for a predefined amount of time.

Playback by Focused Tile Time: The aim of this Control Center add-on is to allow playing back recorded video of a selected camera, starting from the same playback position that the focused video tile is currently at.

PLC 2X2: The FLIR PLC 2x2 module enforces a constant display of tile pattern 2x2 on Control Center's monitor 102 (second monitor). Using Latitude's privileges mechanism and a customized Control Center plugin, the module maintains the 2x2 pattern on display, preventing the user from closing and minimizing of Control Center.

Serial Interface: The FLIR Serial Interface is a Windows service that listens for command data received at a configured serial COM port and conducts camera and sequence switching on analog monitors defined in the Latitude NVMS.

Serial to Serial: FLIR Serial-To-Serial Connections application is a utility that enhances FLIR Latitude NVMS system that lets you connect two serial devices together, so that traffic to one serial device is forwarded to the other one.

Send Content to FTP Action: The objective of the "Send Content to FTP Action" plugin is to enhance the capabilities of FLIR's Latitude VMS by enabling the sending of video clips and snapshots to FTP sites upon Latitude events (motion detection, intrusion, etc.).

Send Email with Content Action: The "Send Email with Content Action" plugin module introduces a new action into FLIR's Latitude VMS, allowing users to send an email notification that also includes an attached snapshot of a selected associated camera, upon any supported Latitude event.

Snapshot Server: FLIR Snapshot Server is a module that takes snapshots of live video of configured camera at a pre-configured schedule interval.

System Database Backup & Restore Tool: FLIR System Database Backup and Restore Tool includes two components:

1. **System Database Backup Plugin:** The Backup Plugin performs database backups of Latitude services (Directory, Archiver and EDB), together with their associated application config files, at configured scheduled intervals. The backups are automatically stored at a configurable target path in ZIP file format.



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2. **Database Restore Tool:** The Restore Tool is a standalone application that allows users to restore a database and config files of a given Latitude service, originally saved by the System Database Backup plugin, upon selecting the backup file on a specific target machine.

System Monitoring Tool: System Monitoring Tool is a FLIR tool that runs on a scheduled, periodic, as well as manual basis to generate consolidated reports on system configuration, system status as of the report date, and screen shots of each camera.

Time Triggered Events Plugin: The Time Triggered Events Plugin allows the Latitude VMS administrator to configure actions to be automatically performed at desired time schedules, either as a single occurrence or recurring. Using Latitude's Admin Center, the user can add Timers to the system and configure any supported VMS action (or a set of actions) to be performed when the timers elapse. For example, the system may be configured to send a daily email at 5pm of each workday; to automatically point PTZ cameras at preset positions prior to some known significant scheduled event; to switch the content of a video tile every 5 seconds, and so on.

Voice Evacuation System: The Latitude NVMS Voice Evacuation System plug-in provides the capability to carry out public address communications to selected audio outputs within the Latitude system.



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OTHERS

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AD Matrix: FLIR AD Matrix module enables Latitude users to add cameras connected to the American Dynamics matrix system to Google Earth maps within the Latitude system and request to view the cameras placed on the Google Earth map on any Control Center tile.

Apple - iPad & iPhone Applications: FLIR iPad and iPhone applications are FLIR's Latitude NVMS's mobile client application for monitoring and reviewing video. It allows users to view up to 9 video sources.

* **CartêGraph:** CartêGraph flexible maintenance management system integrates with FLIR's Latitude NVMS.

Latitude Demo Pack: The Demo Pack software for Latitude is a set of various layouts, maps & video clips incorporated into control center, demonstrating FLIR products & capabilities.

Horizon Demo Pack: The Demo Pack software for Horizon is a set of various layouts, maps & video clips incorporated into control center, demonstrating FLIR products & capabilities.

Moxa: The FLIR-Moxa module integrates Moxa's E2210 Active Network I/O unit with FLIR's Latitude NVMS.

Sanef: The FLIR-Sanef Toll System module integrates Sanef's toll system with FLIR's Latitude NVMS. The integration provides a seamless creation of bookmarks for each vehicle passage event generated by Sanef Toll system.