Re: i3Ai Service v7.3.2.2 Release Notice   March 28, 2023
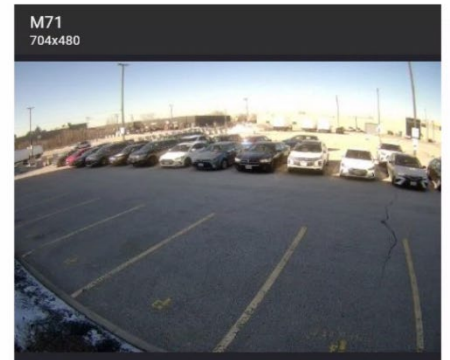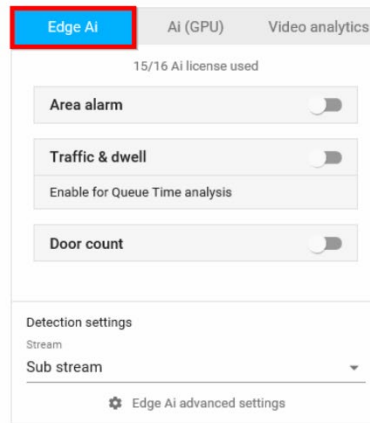
To all of our customers and partners;

This bulletin is the official notice of the **i3Ai Service v7.3.2.2** release. The new software installation package is now available for download from the i3 website: https://i3international.com/support/download.
Effective **April 3, 2023** this release package is used as the default Production software version for all i3Ai-enabled NVRs.

New Features:

- **Edge Ai** support for select cameras (M71, M77R2). (#53491)
  Edge Ai feature utilizes the camera's own built-in analytics functionality without the reliance on the system's GPU. By offloading the processing to the camera, media server owners without GPU can still use some Ai features and gather analytics information from more channels without additional system resources.
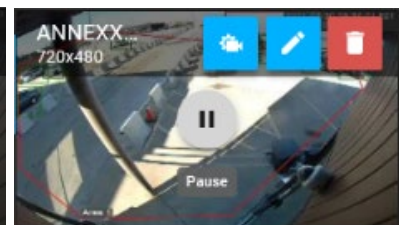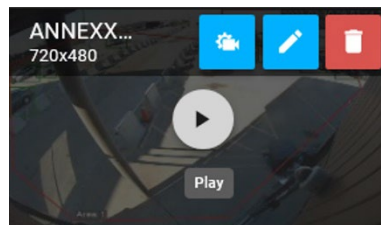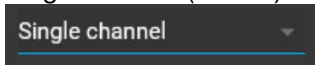 **Note:** The supported "Edge" Ai features are limited to: Area Alarm (Human and Vehicle object types only), Traffic & Dwell and Door Count. For a wider range of Ai features, use GPU-based Ai functionality.

- Integrated **YOLOv5** object detection model for overall better performance and GPU resource conservation.
  YOLOv5 engine integration lets i3Ai support more Ai channels without the need for higher system resources. (#52755)
- **i3Host** integration. Single sign-on support and user security (OTP, Login Fail policy, Password rule) (#55508)

Improvements:

- Improved system resource utilization by playing live video on demand only. (#55612)
  In the previous versions, all Ai channels automatically streamed video in the Live mode. To reduce the unnecessary processing load, the user can now chose to play one or several live channels, as needed. Hover over the channel thumbnail and click the **Play** icon to begin video streaming, click the **Pause** icon to stop.
  The two playback modes are:
  - Single channel (default)

  - Multiple channels (including **Play all** option)

CONTACT US

www.i3international.com

Toll free: 1.866.840.0004
Tel: 416.261.2266
Fax: 416.759.7776

CANADA

i3 International Inc.

780 Birchmount Rd, Unit 16
Toronto, Ontario
M1K 5H4, Canada

USA

i3 America (Nevada) Inc.

4001 Cobb International Boulevard,
Kennesaw, GA 30152

- Improved the area drawing function in the Setup.
  - o Allow customizing the detection area to focus only on the area of interest (#45749). This feature is available for Alarm and Ai Search options only. By default, the entire image is enabled for analysis.
  - o Display feature type and area name on the tracker. (#46177)
  - o Match the tracker color on both the Live and Setup modes. (#47316)
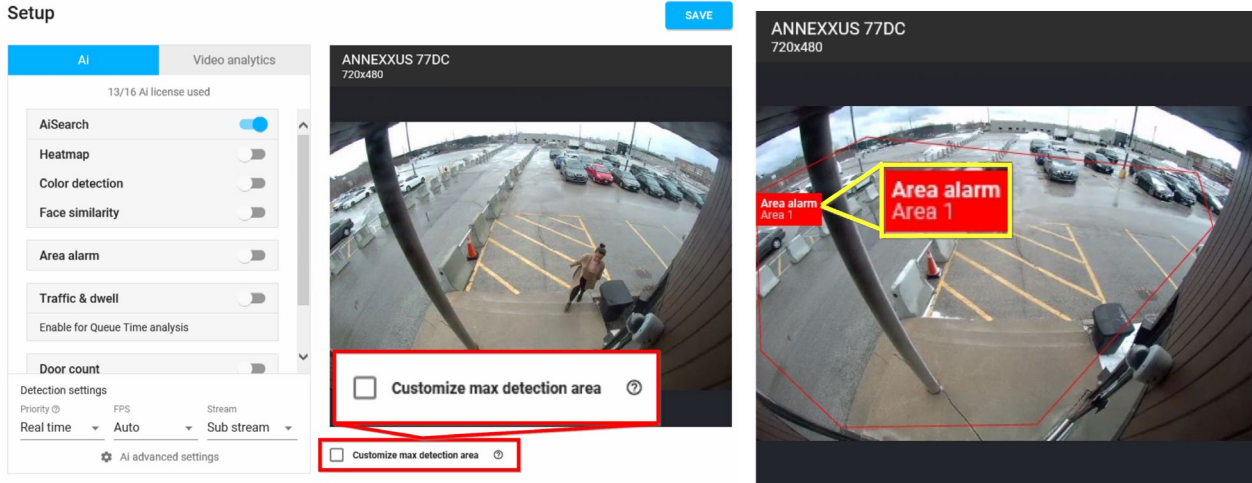
- Added System > Server logs support. (#23295)
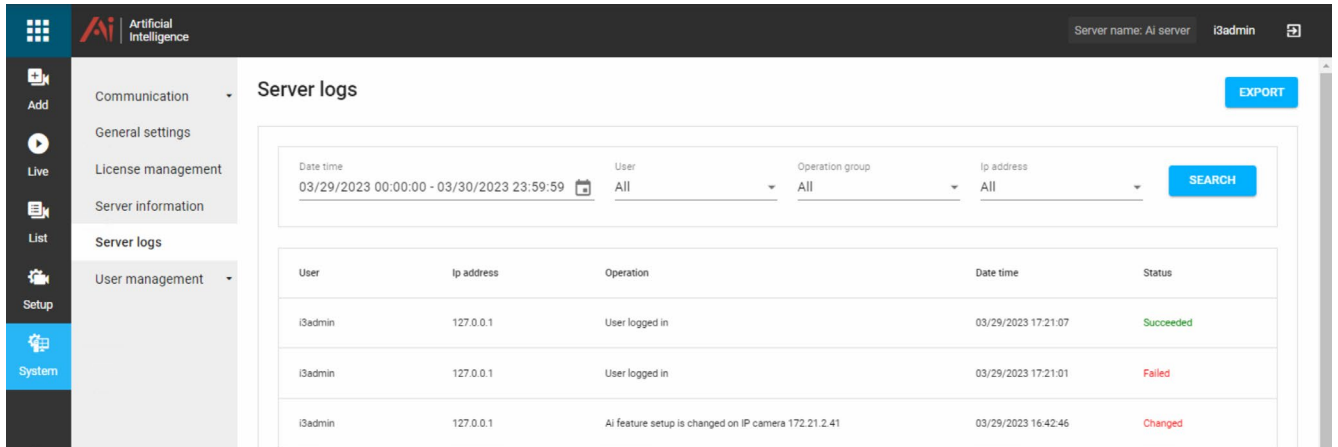
- Added clip buffering for resource optimization. (#44958)
  Leverage GPU capacity by prioritizing Ai *tracking* channels (E.g. Traffic & Dwell) with current motion for Ai analysis.
  When no GPU capacity is available, buffer the video clip (record locally) and analyze immediately when GPU capacity becomes available again.
  Note: This optimization does not apply to Ai alarming channels that require immediate detection/notification.

- In VPC, show only enabled object types in Advanced Search (#45883).
  The checkboxes for objects that were not enabled for detection in i3Ai Service will be grayed out in VPC.
- Improved Live mode image handling for low bandwidth environments. (#45527)
- Added 4 MAC addresses support (for license support purposes). (#44862)
- Updated i3Ai database version. This update includes object thumbnail encryption and faster query support. (#46319)
- Added performance improvement to conserve GPU resources. (#49759)
- Adjusted Traffic & Dwell default settings for best performance. (#52674)
- Added Social Distancing function support for Ax88 camera series (#51696)
- Updated NVIDIA GPU driver to v472.84. (#52979)
- Included the newest GiPi adapter into the installation package.
- Added a disclaimer warning when i3Ai features are enabled on a system without a discrete GPU. (#55100)
- Various GUI improvements (#53837, #56569, #56571, #56192)
- Added "Port" field when adding channels manually (#47383)
- Performance improvement: improve Ai tracking speed (fps) for high-resolution camera streams. (#53471)
- Set the i3Ai Service post-crash restart time to 1 minute by default (#57486)
- Modified Alarm Area – Object Count alarm trigger condition. (#56639)
  The alarm condition will be met only if the detected objects are of the same type *and* meet or exceed the set total count.

New Features in testing stage

- Face similarity (#44205). Please contact your sales rep to learn more.

i3Ai v7.3 Compatibility Table.

Note: For i3 application compatibility, refer to i3's Software Compatibility Chart

i3 Application / Device	Compatibility
AiCloud	1.1.2.X
SRX-Pro	v.7.3.2.X
VPC	v.7.3.2.X or higher
CMS Web	CMS v6.3.2.X or higher
PACDM	PACDM v7.26.2.128 PAC Converter v3.6.2.63

About Version:
Version 7.3.2.2
Build Date: March 6, 2023
Engine: yolo-061322

Please contact technical support if you have any questions or issues.
Email: support@i3international.com
Tel.: 1.877.877.7241

CONTACT US

www.i3international.com

Toll free: 1.866.840.0004
Tel: 416.261.2266
Fax: 416.759.7776

CANADA

i3 International Inc.

780 Birchmount Rd, Unit 16
Toronto, Ontario
M1K 5H4, Canada

USA

i3 America (Nevada) Inc.

4001 Cobb International Boulevard,
Kennesaw, GA 30152