

**Re: i3Ai Service v7.1.2.54 Release Notice**

To all of our customers and partners;

This bulletin is the official notice of the **i3Ai Service v7.1.2.54** release.

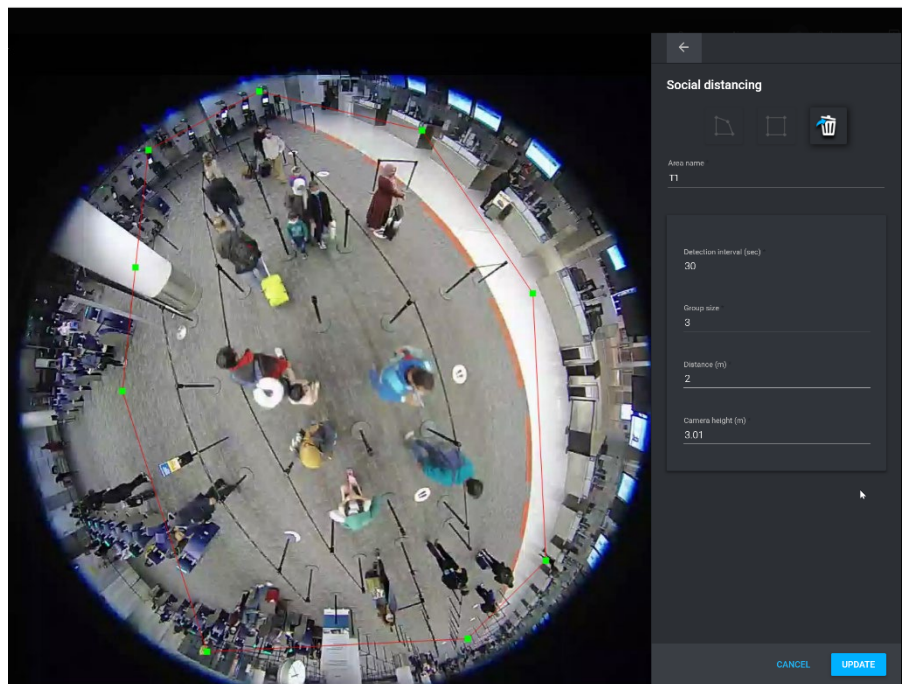
The new software installation package is now available for download from the i3 website:

<http://i3international.com/support/download>.

**Improvements:**

- **Social Distancing Filter:** improve Social Distancing (SD) detection accuracy and reduce the instances of false violation detection for high-resolution cameras through multi-resolution detection. The detection algorithm is applied twice: first to the whole (scaled-down) image, then again to the cropped image (unscaled) to verify the original detection (#31544).
  - The SD filter is designed to filter out the false alarm of violation caused by the false head detection.
  - i3Ai scales down the original image to less than 1000x600 before applying the head detection algorithm. This may result in some false positives, especially for high-resolution cameras mounted high on the ceiling, where objects appear small and lose detail through scaling of the image.
  - With the SD filter, when the Social Distancing violation is detected on the scaled-down image, the algorithm will crop the original image in violation area (approx. 800x600) and apply the head detection algorithm again.
  - If the heads detected in the full (scaled-down) image are not detected in the cropped image (original resolution), they will be filtered out.
  - The final Social Distancing violations will be calculated based only on the head detections that pass through the SD filter.
  - Note: SD filter is applied only where head detection resulted in the social distancing condition violation, to conserve GPU. If the false head detection does not result in a SD violation (>X number of people in a close proximity), then SD filter will not be applied.

**Tip:** Social Distancing conditions are configured in the i3Ai Setup and can be adjusted per channel. Set the group size and distance that will constitute a social distancing violation. E.g. 3 or more people, less than 6 feet (2 meters) apart.





- Support Social Distancing where image width  $\neq$  image height. Specifically, for high-resolution fisheye cameras: Ax98 - 4000x3072, AX78- 3072x2048 (#30831)
- Update license agreement (#31571)

**i3Ai v7.1 Compatibility Table.**

**Note:** For i3 application compatibility, refer to i3’s Software Compatibility Chart technical bulletin on [Media Library](#) web page. Search **Technical Bulletins** > **Software** subfolder for the latest revision.

<b>i3 Application / Device</b>	<b>Compatibility</b>
SRX-Pro	v.7.1.2.X
UIO8	UIO8 Firmware v2.3.0 to v2.3.6
CMS Web	CMS v5.8 or higher
PACDM	PACDM v7.22.2.0 PAC Converter v3.2.1.23
VPC	VPC v7.1.2.49 or higher

**About Version:**

Version 7.1.2.54  
Build Date: October 19, 2020

With any pricing questions, kindly contact our Customer Care department at 1.866.840.0004.

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