

## External Release Notes

### Illustra Connect

Applicable Software	Product Data
Illustra Connect Software Version 3.5	Visit the Illustra Connect section of our web site <a href="http://www.illustracameras.com">http://www.illustracameras.com</a> to download datasheets and other documentation in PDF format.

#### Product Data

Visit the IP Cameras section of our web site, [www.illustracameras.com](http://www.illustracameras.com), to download datasheets and other documentation in PDF format.

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#### Note

In case of discrepancy, the information in this document supersedes the information in any document referenced herein.

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## **What's in This Release**

### **Illustra Connect 3.5 adds the following features:**

#### Insight camera support

- Discovery Support
- Firmware Upgrade
- Network Configuration
- Bulk Configuration
- License Request file generation

#### Https Support (iAPI3 cameras)

- Discovery Support
- Firmware Upgrade
- Network Configuration
- Bulk Configuration

#### HTTP Digest Authentication now supported for iAPI3

#### Added new Access Control dialog

- Allows the user to change PartnerId and upload configuration file to a selected camera

#### Bulk Configuration changes

- A new Bulk Configuration options have been added;
  - PartnerId
  - Configuration File
  - Exposure Mode
  - Authentication

#### Discovery improvements

#### Bulk Licensing

- Support for Pro3 FaceDetection licence request
- Added support to request Audio Licence for Illustra Insight in conjunction with AmericanDynamics support portal

#### Bug fixes

## Illustra Connect Software Version History

Version	Date	Description
3.4.14.1	June 2019	<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>- Auto Configuration – various settings on multiple cameras can be configured through the Auto Configuration feature as a form of automated bulk update. See User Guide for further information.</li> </ul> <p><b>Enhancements:</b></p> <ul style="list-style-type: none"> <li>- Device discovery – more efficient device discovery and quicker device discovery time.</li> <li>- Device discovery cancellation – Time taken to cancel device discovery has been improved.</li> </ul> <p><b>Bug fixes:</b></p> <ul style="list-style-type: none"> <li>- iAPI version in the camera properties dialog has been corrected</li> <li>- Specific IP address feature - updated to add ONVIF service address as it was missing in some instances.</li> </ul>
3.3	December 2017	<ul style="list-style-type: none"> <li>- Fully localized GUI</li> <li>- Adds Russian language support</li> </ul>
3.2	November 2017	<p><b>Features:</b></p> <ul style="list-style-type: none"> <li>- Bulk License – Bulk Licensing/Bulk Upload.</li> <li>- Bulk Configuration – TrickleStor.</li> <li>- Bulk Configuration – IR Compensate.</li> <li>- Specific IP Address Discovery.</li> </ul> <p><b>Enhancements:</b></p> <ul style="list-style-type: none"> <li>- Bulk Configuration – Enhanced security Bulk Configuration – New Stream Rate Control - CVBR</li> <li>- Friendly name is used instead of Hostname now in the main Illustra Connect form.</li> <li>- Firmware upgrade support for a camera when ONVIF upgrade fails.</li> </ul> <p><b>Bug Fixes:</b></p> <ul style="list-style-type: none"> <li>- Enhanced Security Mode – functionality &amp; name changes (High Security Mode -&gt; Enhanced Security Mode)</li> <li>- iAPI version correction (in the Camera Property Form, iAPI 3.4 was listed as unknown before).</li> </ul>
3.0. 334.85	December 2015	<p>New Feature added to enable users to perform bulk configuration on Illustra iPAI2 and iAPI3 camera properties</p> <p>Enhancement: On installed application, the settings dialog is now launched when the tool is first launched to allow users to set desired configuration (network card selection, protocol for discovery and credential selection).</p> <p>User manual full localization</p>

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2.0.0.17	April 2015	<p>Increase time efficiency for camera discovery</p> <p>Provide functionality to upgrade firmware on multiple cameras with different product codes using the same firmware</p> <p>Provides functionality to open the user manual from the Help Menu Item</p> <p>Provides auto-aliasing for Illustra cameras</p> <p>Provides low level socket usage to allow finding all cameras and devices</p> <p>Allows saving and exporting of Filtered camera lists in CSV format</p> <p>ONVIF v2.2 compatible</p>
1.1.0.1259	10 June 2013	<p>The standalone version of Illustra Connect has been stabilized to be consistent with the installed version.</p>
1.1.0.1241	28 March 2013	<p>IPv6, increased localizations, ONVIF 2.2; Improved: concurrent ONVIF &amp; CGI, manage users, device maintenance, Properties, Advanced Diagnostics. Fixed: date &amp; time, firmware upgrade.</p> <p><b>Note:</b> Unlike previous versions of Illustra Connect, Version 1.1 is only available in the full installation version (IllustraConnectSetup.exe) at this time.</p>
1.0.4.1064	31 Aug 2012	<p>ONVIF 1.2, Fixed: cameras showing as both ONVIF and CGI, not showing some AD cameras as AD cameras, time zone issues, snapshot issues.</p>
1.0.2.1027	27 Jan 2011	<p>Initial Release</p>

## Features

### Bulk configuration of Enhanced security

Illustra Connect Bulk Enhance Security compatibility	
Pro Minidome	Supported on FW 1.3.1 or above
Pro i625 PTZ	Supported on FW 2.1.6 or above
Pro i825 5MP FE	Supported on FW 2.0.1 or above
Flex 3MP (Flex2)	Supported on FW 1.1 or above
Flex i600/i800	Supported on FW 3.1.5 or above
Pro 12MP FE	Currently not supported
Flex PTZ	Currently not supported
Essentials	N/A
Pro Compact, Bullet, Micro	N/A
Pro3 Dome	Supported on FW 2.00 and above
Pro Compact	Supported on FW 1.04 and above

Once you configure a camera for Enhanced Security, it no longer is able to communicate or be discovered by Illustra Connect due to ONVIF protocol being disabled.

Note: Illustra Connect 3.4 follows our latest Cyber security rules for username and password

#### Username and Password Complexity Requirements

Username Complexity for Enhanced Security Mode:

- a. Minimum characters: 5

Password Complexity for Enhanced Security Mode

- a. Minimum characters: 8
- b. Have least one character from a minimum of three of the following character groups:
  - i. upper case letters ABCDEFGHIJKLMNOPQRSTUVWXYZ
  - ii. Lower case letters abcdefghijklmnopqrstuvwxyz
  - iii. Numeric characters 0123456789
  - iv. Special characters @ % + \ / ' ! # \$ ^ ? : , ( ) { } [ ] ~ - \_ `
- c. Cannot be identical to the username

## TrickleStor Bulk configuration

Illustra TrickeStor camera FW support	
Pro Minidome	Supported on FW 1.3.1 or above
Flex 3MP (Flex2)	Supported on FW 1.1 or above
Pro3 Dome	Supported on FW 2.00 and above
Pro Compact	Supported on FW 1.04 and above

## Bulk licensing

You can generate licenses for multiple cameras at once using the Bulk Licensing feature.

Bulk Licensing can be applied to devices discovered which are compatible with the AD Illustra iAPI3 that is running a specific firmware to support the License feature. The tool automatically identifies the supported and unsupported devices from the list of discovered devices.

Once you have selected the cameras you want to generate licenses **Bulk Licensing** will create a file with all the relevant information.

Once a licence file is obtained, Illustra Connect will allow for this to be Bulk uploaded to all relevant cameras.

## Use Specific IP Addresses

User can now use a text or CSV file with a list of IP addresses to specifically discovery only these units on the Tool.

The file shall be structured so each IP address must be on a new line in the file.

The list of IP addresses will be queried in sequence using the ONVIF and CGI protocols

## Continued Support

### Bulk Configuration

Bulk Configuration allows users to configure the properties on multiple Illustra cameras simultaneously.

The feature is only available in the installer application and is only intended for iAPI2 and iAP3 cameras. The tool will automatically detect the supported camera and sort them between supported and no supported.

The feature supports predefined templates or users can create custom templates for their own use.

## Localization

User manuals will be available in the following languages: Arabic, Chinese (both Simplified and Traditional) Czech, Danish, Dutch, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Spanish, Swedish and Turkish.

## Command Line Options

There have always been command line options possible with Illustra Connect. There is a new option possible, to go with the new localizations.

### -diag

This is the original command line option to turn on the features of Advanced Diagnostics Mode on an installed version.

```
illustraConnect.exe -diag
```

### -xx-YY

This is a localization override option. Normally Illustra Connect follows the language and culture choice of the operating system. This lets you override that and force one of the other localization choices. The “xxYY” stands for the Windows language and culture code for the desired localization.

**Note:** Some Illustra Connect features may display in English only.

Arabic	<input type="checkbox"/> illustraConnect.exe -ar-SA
Chinese Simplified	<input type="checkbox"/> illustraConnect.exe -zh-CN
Chinese Traditional	<input type="checkbox"/> illustraConnect.exe -zh-TW
Czech	<input type="checkbox"/> illustraConnect.exe -cs-CZ
Danish	<input type="checkbox"/> illustraConnect.exe -da-DK
Dutch	<input type="checkbox"/> illustraConnect.exe -nl-NL
English	<input type="checkbox"/> illustraConnect.exe -en-US
French	<input type="checkbox"/> illustraConnect.exe -fr-FR
German	<input type="checkbox"/> illustraConnect.exe -de-DE
Hungarian	<input type="checkbox"/> illustraConnect.exe -hu-HU
Italian	<input type="checkbox"/> illustraConnect.exe -it-IT
Japanese	<input type="checkbox"/> illustraConnect.exe -ja-JP
Korean	<input type="checkbox"/> illustraConnect.exe -ko-KR
Polish	<input type="checkbox"/> illustraConnect.exe -pl-PL
Portuguese	<input type="checkbox"/> illustraConnect.exe -pt-BR
Spanish	<input type="checkbox"/> illustraConnect.exe -es-ES
Swedish	<input type="checkbox"/> illustraConnect.exe -sv-SE
Turkish	<input type="checkbox"/> illustraConnect.exe -tr-TR
Russian	<input type="checkbox"/> illustraConnect.exe -ru-RU

## **Known Limitations and Issues**

The following is a list of the known limitations with Software and Documentation.

Known limitations and issues may exist from previous releases. Please refer to the specific release for the appropriate information.

<b>Description</b>	<b>Suggested Work-Around</b>
<p>Bulk Configuration: The feature will only Set iAPI calls according to what the specific camera firmware supports</p>	<p>In future new camera FW may address more of the bulk config unsupported properties</p>
<p>Doesn't discover all 3<sup>rd</sup> Party cameras. Network cameras that support the ONVIF protocol, but are not American Dynamics cameras, may or may not be discovered.</p>	<p>In Advanced Diagnostics Mode, using the menu command to "Add Device Manually", enter the IP Address of the 3<sup>rd</sup> Party camera. Click the "Search" button. If the information describing the camera is displayed, then click the "Add" button.</p>
<p>Missing information for 3<sup>rd</sup> party cameras Missing information usually means that Illustra Connect was unable to determine a set of credentials (username and password) that worked on that camera to provide Administrator level access.</p>	<p>First, you will need to learn what the factory default credentials are for that manufacturer and model of camera. Then, in the "Manage Users" dialog for that camera, enter those credentials and click the "Override" button. This should give you the administrator level access to "Add" a new user that matches the chosen "Master Credentials" that you set in the "Tools / Settings" dialog.</p> <p>Once you have working credentials defined on that camera, use the "Refresh Properties" button in the Properties dialog to fill in the missing information for that camera.</p>
<p>Incorrect information for cameras in IP Conflict Illustra Connect makes every effort to get the correct information even when two cameras are sharing the same IP Address. But this networking configuration error may mean that the wrong camera answered one of the commands.</p>	<p>Correct the IP Conflict issue (either with "Resolve All Conflicts" or manually with "Configure Network") then refresh the information for those devices.</p>
<p>The "Hostname" unexpectedly changes when the "Device name" is intentionally changed. This is actually an action taken on the camera. Some models of camera only maintain one name, and so changing one automatically changes both.</p>	<p>No Workaround</p>

Description	Suggested Work-Around
<p>Some cameras have a hardware switch to enable or disable the use of DHCP. These cameras may report a failure when told to change their DHCP status.</p> <p>Some cameras will actually revert to their factory default static IP Address (perhaps 192.168.1.168) when asked to use DHCP.</p>	<p>Go to the camera and change the hardware switch to allow the use of DHCP. You may need to power the camera off, change the switch, and power the camera back on again for the switch to have effect. Please check the manual for that model of camera.</p> <p>... Or ...</p> <p>Configure these cameras to a static IP Address in the range your network uses for cameras.</p>
<p>On Flex cameras Illustra connect will not be able to configure Time zones due to Camera issue.</p>	<p>Set Flex Camera Time zones via the GUI.</p>
<p>Issue with CGI camera discovery</p> <p>When the standalone version of Illustra Connect is set for "CGI ONLY" discovery protocol, in some cases it will only discover one CGI camera even when there are many CGI cameras on the network.</p>	<p>The default setting is to discover both ONVIF and CGI protocols, to avoid this issue; Select <b>Tools</b> then <b>Settings</b>, the Illustra Connect Settings window will display, select <b>All Protocols</b> then <b>OK</b>.</p> <p>This limitation is intermittent, if it does occur and only CGI cameras are required, select the "<b>Refresh List</b>" button to perform a new search. It should then find all the cameras during the second search.</p>
<p>Wireless cube fails to upgrade firmware successfully via Illustra Connect</p>	<p>It is recommended that the user upgrades the firmware via the camera GUI</p>
<p>Illustra Essentials cameras fail to upgrade firmware successfully via Illustra Connect</p>	<p>It is recommended that the user upgrades the firmware via the camera GUI</p>
<p>Unable to configure the date and time on Illustra Essentials cameras via Illustra Connect</p>	<p>It is recommended that the user configures the date and time via the camera GUI</p>
<p>Hard resetting to factory default on the Wireless Cube may cause the camera to default to the wrong IP address</p>	<p>It is best to identify the camera by the MAC address if using Illustra Connect to perform a Hard Factory reset.</p>
<p>When a user sorts the list by clicking on the column header the Illustra Connect GUI may flash</p>	<p>N/A</p>
<p>Cameras remain greyed out in the camera list after firmware upgrade</p>	<p>Select the camera and right click. Select refresh properties from the context menu</p>
<p>Bulk configuration for some settings may not be supported by all cameras</p>	<p>If a bulk configuration setting fails to apply to a camera it is recommended that the user change it through the camera web gui.</p>
<p>CIFS config requires password to be minimum of 5 characters long</p>	<p>Please ensure that the password for the CIFS destination folder is a minimum of 5 characters long.</p>
<p>Some cameras may not be picked up on initial scan</p>	<p>Rescan the network.</p>

## Contact Information

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If you have any questions regarding these release notes, please contact Tyco Security Products Technical Services at:

**Toll Free:** 800-507-6268, Option 2

**International:** 561-912-6259, Option 2

**Alternative Number:** 800-392-2873

**Fax:** 450-444-2029

**Hours:** 08:00 – 20:00 EST

**E-mail:** [adtechservices@tycoint.com](mailto:adtechservices@tycoint.com)

**Website:** [www.illustracameras.com](http://www.illustracameras.com)

In Europe, Middle East and Africa, contact Technical Support at:

**Toll Free:** +800 CALLTYCO or +800-2255 8926

**Direct:** +31 475 352 722

**Hours:** 08:00 – 18:00 CET

**Email:** [tsp.emea.video.support@tycoint.com](mailto:tsp.emea.video.support@tycoint.com)

**Website:** [www.tycosecurityproductsemea.com](http://www.tycosecurityproductsemea.com)

**Website:** [www.calltyco.com](http://www.calltyco.com)

Local Direct dial numbers:

<b>UK</b>	08701 238 787	<b>Bahrain</b>	800 04127
<b>France</b>	0800 90 79 72	<b>Greece</b>	00800 31 229 453
<b>Spain</b>	900 99 39 61	<b>Russia</b>	810 800 20 521 031
<b>Germany</b>	0800 1806 757	<b>Turkey</b>	00800 31 923 007
<b>Italy</b>	0800 874 091	<b>United Arab Emirates</b>	800 0310 7123
<b>Belgium</b>	0800 76 452	<b>Israel</b>	03 345 6868
<b>Ireland</b>	021 480 1122		

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In Latin America and Caribbean, contact Technical Support at:

**Southern Latin America**

Contact: Cesar Cristal  
Phone: +54-11-4711-8711  
Cell: +54911-6452-7573  
Email:  
[ccristal@tycoint.com](mailto:ccristal@tycoint.com)

**Brazil (South)**

Contact: Dani Hissnauer Miguel  
Phone: +55 (11) 2172 9224  
Cell: +55 (11) 97663-2653  
Email: [danimiguel@tycoint.com](mailto:danimiguel@tycoint.com)

**Brazil (North)**

Contact: Wagner Soares  
Phone: +55 (21) 2108-6016  
x.250  
Cell: +55 (21) 99153-3519  
Email: [wsoares@tycoint.com](mailto:wsoares@tycoint.com)

**Northern Latin America & Caribbean**

Contact: Hildebrando  
Duran Phone: +57-1638-  
6278  
Cell: +57-317668-9590  
Email: [hiduran@tycoint.com](mailto:hiduran@tycoint.com)

**Mexico**

Contact: Marco Antonio Salguero  
Phone: +52-55-5488-8092  
Cell: +52-55-1473-4946  
Email: [msalguero@tycoint.com](mailto:msalguero@tycoint.com)

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In Asia Pacific, contact Technical Support at:

**Toll Free:** +800 CALLTYCO or +800-2255 8926

**Direct:** +86 21 60 23 0650

**China Only Hotline:** 400 671 1528

**India Only Hotline:** 1 800 1082 008

**Hours:** 08:00 – 17:00 CST

**Email:** [apac.support@tycoint.com](mailto:apac.support@tycoint.com)

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