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## Release Notes

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### Illustra Pro PTZ

### Illustra 625 PTZ

Product Code	Model Name	Firmware
IPS02P6xxxTT	Illustra Pro PTZ, 30x	2.1.2.A12408ZZZ701
IPP02P6xxxTT	Illustra Pro PTZ, 30x, Feature Plus	2.1.2.A12408ZZZ701
ADCi625-P1xx	Illustra 625 PTZ, 20x	2.1.2.A12408ZZZ701
ADCi625-P2xx	Illustra 625 PTZ 20x, Feature Plus	2.1.2.A12408ZZZ701

#### 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.

December, 2016

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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 is in This Release

### Important Notice

- If the camera is currently on 1.0.3 firmware or below, it is necessary to first upgrade to 2.0.0.411 firmware, before installing 2.1.1 or 2.1.2 firmware.
- Before upgrading your 625 PTZ outdoor camera, check the existing firmware version from either the camera web user interface or through Illustra Connect. If the FW revision is **1.0.1.A4491AA810**, contact level-three technical support. For more information, see [Contact Information](#). Proceed with the upgrade for every other firmware revision.
- We recommend upgrading one or two cameras at first to become confident with the procedure, to ensure that the upgrade process is not impacted by any unanticipated local factors, and to validate the upgrade procedure completes successfully in the working security environment. This best practice minimizes the risk of a large number of mission cameras being impacted by the upgrade process.

### What is New

The 2.1.2.A12789ZZZ701 firmware release improves Zoom and Focus performance on Pro PTZ units.

### Enhanced Security

- On initial camera startup, or after a factory default, a user can choose to enable Enhanced Security. This setting can also be changed on the Security Status page on the camera web user interface.
- In 2.1.0 firmware and above, when Enhanced Security is enabled, HTTP Authentication is set to Digest. This requires a user to select Digest authentication when adding the camera to a recorder.
- If Standard Security is selected, HTTP authentication remains set to Basic.

### Pro PTZ Model Description

Pro PTZ Model Description	Product Codes
Illustra 2MP High Performance PTZ, 30x indoor, no bubble, non-vandal, black	IPS02P6ANBTT
Illustra 2MP High Performance PTZ, Feature Plus , 30x indoor, no bubble, non-vandal,	IPP02P6ANBTT
Illustra 2MP High Performance PTZ, 30x outdoor, clear, vandal, white	IPS02P6OCWTT
Illustra 2MP High Performance PTZ, 30x outdoor, clear, non-vandal, white	IPS02P6BCWTT
Illustra 2MP High Performance PTZ, 30x outdoor, smoked, vandal, white	IPS02P6OSWTT
Illustra 2MP High Performance PTZ, 30x outdoor, smoked, non-vandal, white	IPS02P6BSWTT
Illustra 2MP High Performance Feature Plus PTZ, 30x outdoor, clear, vandal, white	IPP02P6OCWTT
Illustra 2MP High Performance Feature Plus PTZ, 30x outdoor, clear, non-vandal, white	IPP02P6BCWTT
Illustra 2MP High Performance Feature Plus PTZ, 30x outdoor, smoked, vandal, white	IPP02P6OSWTT
Illustra 2MP High Performance Feature Plus PTZ, 30x outdoor, smoked, non-vandal,	IPP02P6BSWTT

## i625 PTZ Model Description

<b>i625PTZ Model Description</b>	<b>Product Codes</b>
Illustra 625 PTZ, 1080p, 20x indoor, no bubble, non-vandal, black	ADCi625-P132
Illustra 625 PTZ, 1080p, 20x indoor, Feature Plus, no bubble, non-vandal, black	ADCi625-P232
Illustra 625 PTZ, outdoor, Feature Plus, clear, non-vandal, white	ADCi625-P222
Illustra 625 PTZ, outdoor, Feature Plus, clear, vandal, white	ADCi625-P221
Illustra 625 PTZ, outdoor, Feature Plus, smoked, vandal, white	ADCi625-P223
Illustra 625 PTZ, outdoor, Feature Plus, smoked, non-vandal, white	ADCi625-P224
Illustra 625 PTZ, outdoor, clear, vandal, white	ADCi625-P121
Illustra 625 PTZ, outdoor, clear, non-vandal, white	ADCi625-P122
Illustra 625 PTZ, outdoor, smoked, vandal, white	ADCi625-P123
Illustra 625 PTZ, outdoor, smoked, non-vandal, white	ADCi625-P124

## Edge Analytics Support on firmware 2.0.0 and higher on VENVR Server and exacq Server

<b>Model</b>	<b>Edge Motion Alarms</b>	<b>Edge Motion Metadata</b>	<b>Edge Face Alarms</b>	<b>Edge Face Metadata</b>	<b>Edge Blur Alarms</b>
Illustra Pro PTZ  i625 PTZ Series	Yes	No	No	No	No

## **Previous Firmware Releases**

### **2.1.1.A12408ZZZ698**

- The firmware release features enhancement to ONVIF implementation integration with 3<sup>rd</sup> party recorders

### **2.1.0.A11668ZZZ600**

- (1) Removal of the Quicktime dependency for video streaming on the camera web user interface
- (2) Removal of the Java dependency for drawing motion detection regions on the camera web user interface
- (3) Digest HTTP authentication enabled by default when camera is in Enhanced Security mode
- (4) Enhancement to SD card event recording. Maximum of 1000 most recent video clips are displayed on the camera web user interface and the oldest clips are deleted

### **2.0.0.A10582ZZZ411**

- (1) Support for new Illustra Pro PTZ models - IPS02P6xxxTT, IPP02P6xxxTT – Illustra Pro PTZ, 30x
- (2) Motion Detection and Motion Tracking (Intelligent Guard Tours)
- (3) Enhanced Security Features– For more information, see Quick Start Guide and User Manual
- (4) Support for Applications – exacqVision Edge
- (5) SD Card Management and Event Download
- (6) New features – CIFS, SNMP, 802.1x Security, Health Monitoring
- (7) New Picture Settings (Illustra Pro PTZ 30x models only) – Defog, Enhanced Intensity, EIS, Frame Noise Reduction
- (8) Pattern recording length increased

### **1.0.3.A8879AA1126**

- (1) Enhancement to PTZ control when integrating with victor Client and keyboards

### **1.0.3.A7398AA1123**

- (1) Bash upgraded from 3.2 to 4.3.27 – address shellshock security vulnerability with old versions of bash
- (2) ONVIF configuration enhancement: the number of VideoSources=1.  
A factory reset is required for this change. To perform a factory reset: On the camera web user interface, select **Setup**, select **Networking**, select **Maintenance**, and select **Reset**.

### **1.0.2.A491AA929**

- (1) Support added for the optional Feature Plus functionality, consisting of audio, external alarms and SD card event buffering. Additional hardware is required to utilize these features.

### **1.0.1.A4491AA810**

- (1) Support added for i625 PTZ Outdoor model

### **1.0.0.A4484AA806**

- (1) Initial camera firmware release.

## **Firmware Upgrade**

The Illustra Pro PTZ / i625 PTZ camera can be upgraded through the camera web user interface or by using Illustra Connect.

### **Upgrade camera firmware through the web user interface**

**Note:**

All existing camera settings are maintained when the firmware is upgraded.

It is recommended to clear your browser cache after a firmware upgrade.

**To upgrade camera firmware through the web user interface, complete the following steps:**

1. Using Internet Explorer, connect to the camera using the IP Address and log in to the web user interface.
2. Select **Setup** from the web banner to access the setup menus.
3. Select **Maintenance** from the **Networking** menu.
4. Select the **Camera Upgrade** tab.
5. Select **Browse**. The Choose file dialog will be displayed.
6. Navigate to the location where the firmware file has been saved. Select the firmware file then select the **Open** button.
7. Select **Upload**. The file transfer begins and a progress bar is displayed.

### **Upgrade camera firmware using Illustra Connect**

**Note:**

All existing camera settings are maintained when the firmware is upgraded.

**To update camera firmware using Illustra Connect, complete the following steps:**

1. Install and launch the Illustra Connect software utility
2. From the displayed list of cameras; right-click on the camera requiring the software upgrade.
3. Select **Upgrade Firmware**. The Firmware Upload window is displayed.
4. Select **Choose File** and browse to the firmware upgrade file.
5. Select **Upgrade** to start the upgrade.

## Known Limitations and Issues

Description	Suggested Work-Around
This firmware update is not backwards compatible. Once the firmware version 2.1.1 has been installed, it is not possible to downgrade to firmware version 1.0.x.	None.
After upgrading the firmware, it is necessary to clear your browser cache, in order for the new web user interface pages to display properly.	Clear the browser cache.
Due to considerable changes to Alarms setup from v1 to v2 firmware, alarms may need to be re-enabled after the firmware upgrade on Feature Plus i625ptz cameras.	After the firmware upgrade, log into the camera web user interface and select <b>Setup</b> , select <b>Events and Actions</b> , select <b>Alarm I/O</b> and re-enable <b>Alarms</b> if required.
Return to auto-focus button sometimes does not work if auto-far is used to push the camera to its focus-far limit.	Use focus-near button to re-focus camera or use PTZ to move camera to another position and the camera will auto-focus.
PTZ Statistics may not update on the i625 PTZ PTZ Summary page after an upgrade from 1.0.3 to 2.0.0 firmware.	Resetting the camera restarts the PTZ Statistics.
Illustra Pro PTZ – Video does not display on Chrome browser due to changes in Chrome Version 45 which blocks third party plugins.	Use Firefox or Internet Explorer 10 or 11.
<p>Illustra Pro PTZ series web user interface is not fully compatible with IE8 -9 and the browser does not allow for files to be uploaded to the camera.</p> <p>This affects:</p> <ul style="list-style-type: none"> <li>• Firmware upload</li> <li>• Applications upload</li> <li>• License certificate</li> <li>• Security certificates</li> <li>• Upload of backup files</li> <li>• Upload of Audio out clips</li> </ul>	<p>This is a common limitation across cameras that use this platform. For IE10 IE11 support some changes were required in the code that no longer allow for this function in older IE versions.</p> <p>Possible workarounds:</p> <p><b>Solution to all of the above uploads:</b> Install IE10 or above. Install alternative browser –Google Chrome or Mozilla Firefox.</p> <p><b>Solution to FW upgrade and Backup and restore only</b> Install the Illustra Connect tool, included on the camera CD. The installer also offers installation of the .Net pre-requisite, which is not present on ExacqVision Servers.</p> <p>Download and install the Illustra Connect tool from our website and the .Net pre-requisite from the Microsoft website</p>

Description	Suggested Work-Around
<p>The Pro PTZ 30x camera has several mutually exclusive features.</p> <ol style="list-style-type: none"> <li>1) If defog is enabled, the WDR function has diminished performance.</li> <li>2) If Enhanced Intensity or Whiteout Reduction is enabled, the Defog and WDR functions are automatically disabled.</li> <li>3) If EIS is enabled then: <ol style="list-style-type: none"> <li>a) WDR is disabled and does not come back on automatically if EIS is turned off.</li> <li>b) Open shutter is disabled- Maximum exposure is limited to 1/30s</li> <li>c) Maximum zoom is limited to 2X digital (60X total)</li> </ol> </li> </ol>	N/A
ONVIF Integration – Picture Settings can not be configured from an ONVIF client.	The camera web user interface must be used to configure Picture Settings.
Auto-Day night mode: Return to day mode. The camera may not return to day mode –color-under some lighting conditions, in particular at high zoom magnification.	Reduce zoom magnification or move the camera to a brighter scene temporarily to trigger day mode before returning to the desired location.
Upgrade may result in high CPU fault being logged.	These faults can be safely ignored. Administrator should login to Fault Log to delete CPU Alarm message.
H264 encoding: H264 VBR Quality settings for Low and Lowest provide the same bit rate as Medium when the scene is complex or has high movement.	If greatly reducing bandwidth is desired regardless of scene complexity, a combination of reducing resolution and reducing H264 quality must be used rather than only reducing quality at high resolution.
Brightness level can not be set to 100	Set Brightness to 99 or lower.
A camera without a MicroSD card inserted, cannot send emails when SMTP has been enabled and an alarm has been triggered.	Insert MicroSD Card into the camera.
Factory defaulting the camera does not change status of IPV6. If IPV6 is disabled prior to factory default it remains disabled.	<p>An Administrator can enable IPV6 manually.</p> <p>A User can still search for the camera using IPV4 IP address.</p>
During PTZ movements, a user may experience image oscillation on some part of the image for a small period - approximately 5 seconds.	Depending on the scene, the camera can take up to 5 seconds to regain focus during PTZ movement resulting in portions of the image appearing to be oscillating.
Set Privacy Zone functionality freezes when a user double left clicks on the surveillance pane. (QC2427)	Refresh the page or click <b>cancel</b> to recover the live video.



Description	Suggested Work-Around
Privacy zones - if you touch the border of the image, when drawing a privacy zone, you lose control of the resizing. (QC2110)	Do not allow the zone to extend further than the drawing area.
Scheduled Tasks do not run during BST (British Summer Time) change if set to run at the specific changing time. (QC2194)	N/A

## Contact information

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

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