

**Release Notes**

**Illustra Standard Gen 2 V-Series 2MP Cameras**

Product Code	Model Name	Firmware
ISV-V02M013S-N	Illustra Standard2 2MP Outdoor IR Dome	4.2.2(47080)
ISV-V02M014S-N	Illustra Standard2 2MP Outdoor IR Dome	4.2.2(47080)
ISV-B02M013S-N	Illustra Standard2 2MP Outdoor IR Bullet	4.2.2(47080)
ISV-B02M014S-N	Illustra Standard2 2MP Outdoor IR Bullet	4.2.2(47080)
ISV-B02M023S-N	Illustra Standard2 2MP Outdoor IR Bullet	4.2.2(47080)
ISV-B02M024S-N	Illustra Standard2 2MP Outdoor IR Bullet	4.2.2(47080)
ISV-D02V013S-N	Illustra Standard2 2MP Indoor IR Dome	4.2.2(47080)
ISV-X02N003S	Illustra Standard2 2MP Indoor Box	4.2.2(47080)
ISV-X02N004S	Illustra Standard2 2MP Indoor Box	4.2.2(47080)

**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.

June 2023

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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**

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### **What's New**

#### **Firmware 4.2.2(47080)**

- Cyber security enhancements
- Plugin-free for Chrome/Edge/Firefox browsers
- New password resetting method – Setting safety questions
- Bug fixes
- New events -- Object Abandoned/Missing and Heat Map

### **Previous Firmware Version**

#### **Firmware 4.2.2(21506)**

- SD card enhancements
- Cyber security enhancements
- Bug fixes

### Key Features

- HD resolution, 2 megapixel images, Multiple IP streams of H.264, H.264+, H.265, H.265+ and MJPEG video
- Integration with VideoEdge NVR, VideoEdge Hybrid, victor Unified Client, ExacqVision recorders and Clients
- Illustra API v3.4
- ONVIF 22.12 profile S, G, T compliant
- Power over Ethernet (PoE) or AC 24V/DC 12V powered (model specific)
- Motion Detection and Blur Detection support on camera
- Wide Dynamic Range, TWDR (model specific)
- Auto & Manual White Balance Modes
- Multiple lens support for Box cameras
- Lens calibration
- Manual Focus and Zoom Control (model specific)
- One touch Focus (model specific)
- Eventing with RTP meta-data streaming
- Support for up to eight Regions of Interest
- Support for up to four Privacy Zones
- Enhanced Security
- Support for FTP, SNMP, SMTP, RTMP, UPnP, 802.1x, and Firewall filtering
- SD card event buffering (requires micro-SD or SD-HC card)
- Offline recording to SD card
- SD card event download
- TrickleStor integration with VENVR
- Outstanding color reproduction
- No dependencies on 3rd Party Utilities for Camera Setup (No QuickTime and Java requirements)
- Expanded Browser Support: IE, Chrome, Firefox, Edge, Safari
- UPnP Discovery
- Easy to install

## **Firmware Upgrade**

You can upgrade the Illustra Standard Camera through the camera web GUI.

### **Upgrade Camera Firmware through the Web GUI**

**NOTE:**

All camera settings are maintained after you upgrade the camera firmware. It is recommended to clear your browser cache after a firmware upgrade.

### **Procedure: Upgrade Camera Firmware through the Web GUI**

1. Using Internet Explorer connect to the camera via the IP Address and login to the Web GUI.
2. **Backup the current settings.** Go to Config->Maintenance->Export Settings and click Export Settings.
3. **Upgrading.** Go to Config->Maintenance->Upgrade and click Choose File button to select the right FW and then click Upgrade button to start upgrading.
4. **Restore to default.** After completing the upgrade, read the privacy notes and log in. And then one Safety questions window pops up. Select the 3 questions and fill in the answers to continue. Go to Config->Maintenance->Backup and Restore->Default Settings and check Keep Network Config, click the Load Default button to continue.
5. **Relogin.** If there is a DHCP server in the local network, the camera will be assigned a dynamic IP address. If not, the cameras will be set to 192.168.1.168/255.255.255.0. Open Chrome/Edge/Firefox to visit the camera and the default username/password is admin/admin. The browser supports live view without a plugin.
6. **Restore the settings.** Go to Config->Maintenance->Import Settings and click the Choose File button to select the configuration file just dumped in step 2.

## Storage Management

Insert a TF card into the camera and visit the camera's webpage. Go to Config->Storage->Config->Management and click the Format button. The SD card will be divided into 2 partitions. Local recording/snapshots partition will be displayed on the Management page and it is only 40% of the total capacity. Another partition (60% of the total capacity) will be used for TrickleStor partition.

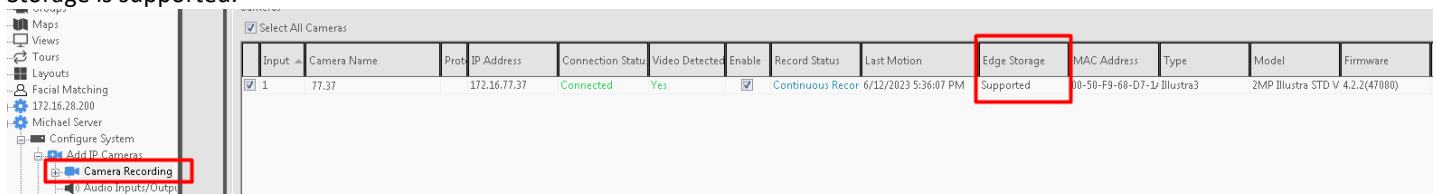
## VENVR TrickleStor Integration / Offline Record Settings

When you configure the Offline Record Settings feature and once it detects a loss of connection with the recorder, it sends the video stream to the SD card within the unit. This satisfies the loss of video and continues recording. Once the recorder is back online the camera initiates sending recorded video from the SD card to the recorder. The maximum time recording during the outage depends on the SD card and the recorded stream you selected. If the SD reaches full capacity, it deletes the video from the earliest recording to the latest recording. This feature integrates with the VE NVR 5.0 and above. Currently, this feature is limited to only supporting Codec: H264 and H264+.

**Note:** TrickleStor integration is supported under HTTPS connection.

## Exacq TrickleStor Integration / Offline Record Settings

**Note:** Visit the camera's webpage and go to Config->Storage->Config->Offline Record Settings. Check Enable and fill in the exacqVision IP address in the NVRIP textbox. Click Save button. Go to exacqVision client and add the camera or disable/enable the camera in IP Camera List. Go to exacqVision server->Configure System->Add IP Cameras->Camera Recording to check whether Edge Storage is supported.



Input	Camera Name	Prot	IP Address	Connection Status	Video Detected	Enable	Record Status	Last Motion	Edge Storage	MAC Address	Type	Model	Firmware
1	77.37		172.16.77.37	Connected	Yes	<input checked="" type="checkbox"/>	Continuous Recor	6/12/2023 5:36:07 PM	Supported	00-50-F9-60-D7-1J	Illustra3	2MP Illustra STD V 4.2.2(47080)	

## **Known Limitations and Issues**

<b>Description</b>	<b>Suggested Work-Around</b>
In the Display Settings page, the live view video has the mosaic blocks.	When the codec for the second stream is MJPEG, the video quality needs to adjust manually. Go to Config->Image->Video/Audio->Video->Sub Stream and change the Bitrate to high value and click Save button.
Change the IPv4 IP address and failed to save.	Fill in the Preferred DNS server and Alternate DNS server and save again.