

Release Notes

Illustra Standard Gen 2 E-Series 4MP Cameras

Product Code	Model Name	Firmware
ISE-V04F283S-N	Illustra Standard2 4MP Vandal Proof IR Mini Dome	4.3.6(45141)
ISE-V04F284-N	Illustra Standard2 4MP Vandal Proof IR Mini Dome	4.3.6(45141)
ISE-V04F363S-N	Illustra Standard2 4MP Vandal Proof IR Mini Dome	4.3.6(45141)
ISE-V04F364-N	Illustra Standard2 4MP Vandal Proof IR Mini Dome	4.3.6(45141)
ISE-B04F363S-N	Illustra Standard2 4MP Vandal Proof IR Mini Bullet	4.3.6(45141)
ISE-B04F364-N	Illustra Standard2 4MP Vandal Proof IR Mini Bullet	4.3.6(45141)
ISE-B04F063S-N	Illustra Standard2 4MP Vandal Proof IR Mini Bullet	4.3.6(45141)
ISE-B04F284-N	Illustra Standard2 4MP Vandal Proof IR Mini Bullet	4.3.6(45141)
ISE-T04M013S-N	Illustra Standard2 4MP Vandal Proof IR Mini Turret	4.3.6(45141)
ISE-T04M014S-N	Illustra Standard2 4MP Vandal Proof IR Mini Turret	4.3.6(45141)
ISE-T04V013S-N	Illustra Standard2 4MP Vandal Proof IR Mini Turret	4.3.6(45141)
ISE-T04V014S-N	Illustra Standard2 4MP Vandal Proof IR Mini Turret	4.3.6(45141)
ISE-B04M013S-N	Illustra Standard2 4MP Vandal Proof IR Mini Bullet	4.3.6(45141)
ISE-B04M014S-N	Illustra Standard2 4MP Vandal Proof IR Mini Bullet	4.3.6(45141)
ISE-B04V013S-N	Illustra Standard2 4MP Vandal Proof IR Mini Bullet	4.3.6(45141)
ISE-B04V014S-N	Illustra Standard2 4MP Vandal Proof IR Mini Bullet	4.3.6(45141)

Product Data

Visit the IP Cameras section of our web site, www.illustracameras.com, to download datasheets and other documentation in PDF format.

June 2023

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

What's New

Firmware 4.3.6(45141)

- Cyber security enhancements
- Storage management: Divide the SD card into 2 partitions, one partition (40% of full capacity) is for local video/snapshot storage, another partition (60% of full capacity) is for Trickstor partition.
- Bug fixes

Previous Firmware Version

Firmware 4.3.6(33529)

- Bug fixes
- Different user management: ONVIF username/password can be different from the system username/password.

Key Features

- 4MP resolution, Multiple IP streams of H.264, H.265 video
- Integration with VideoEdge NVR, VideoEdge Hybrid, victor Unified Client, ExacqVision recorders and Clients
- ONVIF 22.12 profile S, G, T compliant
- Power over Ethernet (PoE) or DC 12V powered (model specific)
- Motion Detection and Blur Detection support on camera
- Wide Dynamic Range, DWDR (model specific)
- Auto & Manual White Balance Modes
- 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, 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
- Browser Support: IE (Plugin), Edge(IE compatible mode)
- 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. **Upgrading.** Go to Config->Maintenance->Upgrade and click Choose File button to select the right FW and then click Upgrade button to start upgrading.

Storage Management

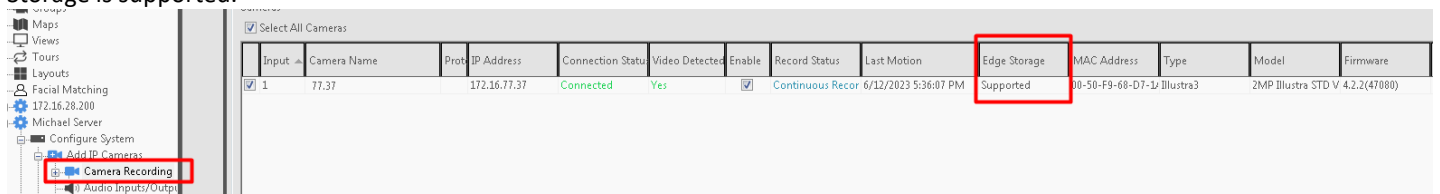
Insert a TF card into the camera and visit the camera's webpage. Go to Config->Storage->Config->Management and click the Format button. The SD card will be divided into 2 partitions. Local recording/snapshots partition will be displayed on the Management page and it is only 50% of the total capacity. Another partition (50% 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.
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(47000)	

Known Limitations and Issues

Description	Suggested Work-Around
Streaming connections are limited to 3. Include the stream requested by the VMS, live view on the web page, etc. When the streams requested exceeds 3, the Live View page pops up with the text box "Connection is limited due to overload."	Close the current stream connections to release the resource.
Due to the memory limitation, for the TrickleStor feature, the recording stream is set to over 3Mbps and the camera may reboot after the network connection is restored to upload the video files.	Limit the video bitrate of the recording stream to 3Mbps or below before enabling TrickleStor.