



Internal Release Notes

Holis Economical 4MP Cameras series

Product Code	Model Name	Firmware
JSE04-T02-BI01	Holis Economical 4MP Dome Out	SS013.01.00.00.15181
JSE04-D10-OI01	Holis Economical 4MP Dome Out	SS013.01.00.00.15181
JSE04-D30-OI01	Holis Economical 4MP Dome Out	SS013.01.00.00.15181
JSE04-B02-OI01	Holis Economical 4MP Bullet	SS013.01.00.00.15181

Product Data

Visit the IP Cameras section of our web site, 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

What's New

Firmware **SS013.01.00.00.15181**

- Introduces the new Holis Economical 4MP camera models.

JSE04-T02-BI01	H.265 4MP IR Turret Dome N/W Camera, 2.8~12mm Manual, 30M IR, Micro SD, DC12V/PoE, IP67, IVA
JSE04-D10-OI01	H.265 4MP IR Vandal Proof Dome N/W Camera, 2.8mm, 30M IR, Micro SD, DC12V/PoE, IP67/IK10, IVA
JSE04-D30-OI01	H.265 4MP IR Vandal Proof Dome N/W Camera, 3.6mm, 30M IR, Micro SD, DC12V/PoE, IP67/IK10, IVA
JSE04-B02-OI01	H.265 4MP IR Bullet N/W Camera, 2.8~12mm Manual, 50M IR, Micro SD, DC12V/PoE, IP67/IK10, IVA

Key Features

- High resolution, 4 megapixel images, Multiple IP streams of H.264 and H265
- Integration with VideoEdge NVR, VideoEdge Hybrid, victor Unified Client, ExacqVision recorders and Clients
- Integration with Illustra Connect v 3.5 and above
- Illustra API v3.4
- ONVIF 2.4 profile S compliant
- Power over Ethernet (PoE) or AC powered (model specific)
- Motion Detection support on camera
- HWDR (model specific)
- Auto & Manual White Balance Modes
- Manual Focus and Zoom Control (model specific)
- One touch Focus (model specific)
- Eventing with RTP meta-data streaming
- Support for up to three Regions of Interest
- Support for up to four Privacy Zones
- Support for FTP, SNMP, SMTP, 8021.x and Firewall filtering (model specific)
- SD card event buffering (requires micro-SD card)
- Schedule recording (requires micro-SD card)
- Browser Support: IE only
- UPnP Discovery
- Easy to install

Firmware Upgrade

You can upgrade the Holis Camera through the camera web GUI or by using Illustra Connect.

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.

1. Using Internet Explorer connect to the camera via the IP Address and login to the Web GUI.
2. Select **Setup** from the web banner to access the setup menus.
3. Select **Maintenance** from the **Upgrade** menu and identify the **Local Upgrade** section.
4. Select **Browse**. The Choose file dialog displays.
5. Navigate to the location where the firmware file has been saved. Select the firmware file then select the
6. **Open** button.
7. Select **Upload**. The file transfer begins and a progress bar displays.
8. Camera upgrade can take up to 5 minutes
9. When upgrade completes, the camera will return to login Screen.

Upgrade Camera Firmware through Illustra Connect

NOTE: All camera settings are maintained after you upgrade the camera firmware.

Procedure: Update Camera Firmware through Illustra Connect 3.5 or above

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 **Device Maintenance> Firmware**. The Firmware Upload window will display.
4. Select **Browse** and browse to the firmware upgrade file.
5. Select **Start Firmware Upgrade** to start the upgrade.

Features

Accessing camera for the first time

1. Select Internet Explorer browser and navigate to the camera IP address.
2. Browser should prompt for a plugin installation.
3. Complete plugin wizard installation and return to browser.
4. When you select the camera IP, the sign in page is displayed.
5. Select your preferred language from the drop-down menu. The default language is English.
6. Enter the default username and password when prompted - Username: admin, Password: admin.
7. Click **Log in**. The camera Web User Interface is displayed. The first time that you access the camera, or after a factory reset, you are prompted to **Change Default Password**.

Password Complexity Requirements

Minimum characters: 9

- a. Have least one character from each of the following character groups:
 - i. upper case letters ABCDEFGHIJKLMNOPQRSTUVWXYZ
 - ii. lower case letters abcdefghijklmnopqrstuvwxyz
 - iii. numeric characters 0123456789
 - iv. Special characters @ % + \ / ' ! # \$ ^ ? : , () { } [] ~ - _ `
- b. The password cannot contain the username.

How to restore admin/admin:

1. Restore factory default camera.

RTSP Authentication

We now require video stream authentication by default

We don't recommend disabling RTSP authentication, but if required it can be managed via Security Tab in camera GUI.

Analytics

Holis 4MP camera	Motion Detection	SD card anomaly
Standalone	Yes	Yes
Edge (VideoEdge and Exacq)	Yes – Events only	No

Stream Table

Stream Table for JSE04-XXX-XX01 4MP Holis Economical series

		60HZ		50HZ	
Profile	Codec	Resolution	Max FPS	Resolution	Max FPS
Stream 1	H264	2560x1440	30	2560x1440	25
(Visible)	H265	2304x1296			
		1920x1080			
Stream 2	H264	1280x720 (15)	30	1280x720 (12)	25
(Visible)	H265	704x480			
		352x240			
Stream 3	H264	704x480	30	704x576	25
(Visible)	H265	480x240			
		352x240			

Note: A maximum of 4 concurrent streams are supported by the JSE04-XXX-XX01 cameras. This includes shared streams. So, for example, Stream 1 can be shared twice along with a running Stream 2 and Stream 3, or Stream 1 can be shared 4 times if Stream 2 and Stream 3 are not running.

Known Limitations and Issues

TFS ID	Description	Suggested Work-Around
697588	Connection error seen occasionally when performing a FW upgrade.	Select Retry pop-up.
707148/693607	Unable to enable/disable IPv6 DHCP using iAPI3	Use Camera Web GUI
707311/693560	Unable to configure Multicast address and settings via iapi3	Use Camera Web GUI, Multicast Server not supported for this release
693977	Factory reset doesn't reset the local config settings	None
692883	Occasionally logging onto the camera shows a connection error and GUI cannot be navigated	Power cycle the camera or use a Tool to restart it such as Illustra Connect. Run the following command to reboot the camera http://Camera.IP.Address/iAPI/reboot.cgi?
701570	After a config restore with a device name change on the camera the Onvif device name appears blank.	None
687968	Unable to export video from SD card	None
688008	Unable to export Pictures from the SD card to the PC.	None
691605	Config>Storage>Download>Search Page doesn't work.	To search SD card Select Search from the View selection at the top of the Web GUI
691611	Local storage of videos and pictures feature not implemented although still appears on the WebGUI.	None
691801	HTTPS certification Default certificate missing SAN (Subject Alternative Name)	None
692754	'No permission to perform this action' pop up when making changes to Admin>Config>System>Local Config>	None. Feature not implemented but remains on WebGUI
692883	Sometimes logging onto the camera a connection error will appear Sometimes logging onto the camera a connection error will appear	Run the following command to reboot the camera http://Camera.IP.Address/iAPI/reboot.cgi?
693091	DNS address not being applied using Illustra Connect	Use camera GUI to apply DNS settings
693142	Snapshot and recording buttons on live view page return error 'No permission to perform this action'	Recording can be enabled Config>Storage>Config>Record
693262	The cameras will count each enabled multicast stream as an active stream even if isn't being used.	Only enable a multicast stream if it is being used to avoid running out of streams resources which is 4 for JSE04-XXX-XX01 cameras

TFS ID	Description	Suggested Work-Around
693490	SNMP Walk shows incorrect information.	None
693095	Adding a user with incorrect password requirements does not result in error although the user does not get created	Use correct password requirements for the user
691705	Config>Security>Block and Allow lists> Block MAC address doesn't work	Block by IP address as an alternative
691505	After a restart there may be no entries in the logs page on JSE04-XXX-XX01 cameras	Ensure camera is connected to NTP source
698410	UPnP Properties>Device details>model> incorrect website link	Use Manufacturer link
700639	Invalid NTP server address is accepted	Ensure to enter correct NTP server address
704304	GOP can be set below valid range through iAPI	None
693713	Camera IPv6 Default link local IP shall be generated by MAC address but hasn't been implemented	None
695205	Bulk configuration on Illustra connect currently not supported in this release due Some unusual responses on Illustra Connect IAPI query GET /iAPI/element.cgi?action=read&group=System.Version.iAPI HTTP/1.1	None
691544	Camera may show incorrect Analytics setting when integrating with iAPI3 servers. IAPI for PTZfi.cgi should be relevant to camera capabilities but fixed cameras are showing parameters that belong to PTZ cameras IAPI shows IAPI for analytics even though they are not supported	Only motion detection is supported for analytics integration
691595	Camera may show incorrect PTZ focus, iris setting when integrating with iAPI3 servers. IAPI for PTZfi.cgi should be relevant to camera capabilities but fixed cameras are showing parameters that belong to PTZ cameras	Ignore these as are currently incorrect
692848	Privacy Zones, Motion mask and ROI don't rotate in line with the corridor mode	Have the camera in Corridor mode prior to creating motion masks etc.
701743	Default GOP shall be 30 (NTSC) 25 (PAL)	<p>GOP will be set to 30 (NTSC) 25 (PAL), at default but will work dynamically with frame rate change after that where $GOP = FPS \times 4$.</p> <p>Review GOP value when changing FPS to determine it is correct for your needs.</p>

Server Integration Limitations

TFS ID	Description	Suggested Work-Around
691097	When camera in corridor mode on ExacqVision the bottom half of the image is masked out on the motion tab	None
691497	No option to set-up motion alerts on ExacqVision server when camera on 60Hz	Set-up motion mask etc on the camera. Edge alerts from the camera will still trigger on the ExacqVision
701742	Edge alerts not coming through to victor when camera added as Onvif to VideoEdge	If Edge events are required camera should be added VideoEdge using Illustra iAPI3 Handler
695686	Cameras appear as Onvif on Exacq discovery instead of IAPI3	Requires Exacq change on adding a profile for camera discovery
698631	Applying a Restore Config to a camera while added to an NVR may cause the camera to stop streaming to the NVR	Apply configuration file to the camera before adding to the NVR.
700638	Instances of Video loss seen on cameras when added as Onvif	Where available use Illustra iAPI3 handler when adding camera to recorder
	JSE04-XXX-XX01 don't support MJPEG so can't support VideoEdge server based Motion detection	Enable Motion Detection on the camera and add to VideoEdge using Edge Based Video Analysis

Contact Information

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