Illustra

Illustra Camera Manager
Release Notes
A163833553_C (June 2026)

Model Name	Version
Illustra Camera Manager Configuration Tool	03.00.01

Visit www.illustracameras.com to download datasheets and other documentation in PDF format.

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

Version: 03.00.01

Added:

- Support for discovery across VLANs
- Bulk template enhancements:
  - Bulk username and password change
  - Bulk Template Configuration Report PDF generation
  - Bulk firmware upgrade Report PDF generation
  - Added AI Tab to Bulk Template
  - Added GOP to Bulk Template
- Audio Management including Audio Fault actions
- Add firmware version to search filter
- Multisensor PTR Controls
- Quick selection for basic or Advanced Configuration
- Project storage Report
- Theme selector supports dark and light modes

Improved:

- Multiple Stream Configuration support
- Retain wizard active and dynamically adjust in the background
- Bulk Firmware Upgrade Enhancement
- Camera Refresh Enhancement
- Improved manual onboarding workflows using CSV/Excel for easier and more efficient user management
- Streaming optimizations to improve RTSP stability and performance
- Gen 5 Camera Compatibility
- Enhanced Quick Configuration to support efficient bulk configurations
- Improved configuration templates for easier reuse and consistency
- Video configuration enhancements for better functionality and usability
- Multiple bug fixes and refinements to enhance reliability and performance
- Session Timeout range increased
- User Management now uses hashed password storage; credentials reset to default after installation

Previous Releases

Version: 02.00.01

Added:

- Managed Tool user accounts
  - Tool will prompt for default admin/admin password change at first login
  - Tool allows for password management
  - Tool allows additional user to be added and managed via admin accounts
  - Admin user will have all tool features including Tool user management
  - Operator user will have all tool features except Tool user management
- Discovery
  - Support for Illustra MS and DS
  - Third party ONVIF camera discovery and limited ONVIF configuration
- Configuration Wizard Improvements
  - Configuration wizard now includes two modes
    - Unconfigured/Initial setup wizard with targeted key configurable options
    - Extended configuration menu for configured camera to add and manage additional features
  - Extended Wizard now includes:
    - CSR management
    - PTZ function
    - OSD
    - Additional video and picture settings
    - Event action configuration
    - Alarm In and Out
    - Additional analytics configurations
    - IPv6 enable/disable
    - Camera User management
    - Firmware upgrade schedule
- Intranetwork operability & Port and transport configuration
  - Tool can be installed on a single machine on the network and accessed by other machines using PC/Laptop IP
  - Option to configure port and transport used by tool to Open main Tool web page
  - During install, there is an option to auto-launch Tool (useful if remote machine reboots)
- Illustra cameras Bulk Maintenance and Template
  - Template improved with extended options to cover an extended sample of use cases
  - Menus and options can be enabled or disabled according to end user needs
  - Template design to support Fixed, Dual and Multisensor cameras
  - Template cloning to support duplication of similar Templates
  - Bulk Maintenance of Network configuration, reboot or Reset or Upgrade of cameras
- Project Storage
  - Tool allows for information/configuration used in tool to be saved/backed up
  - Option to save or restore Camera list, Templates, Security profiles & Tool User profiles
  - Option to regularly back up these setting in weekly monthly or annual intervals
- Additional support items
  - Link to website and Support portal
  - User Feedback option to automatically provide information back to support team
  - Notification for when new Tools versions are available

Illustra Camera Manager Release Notes

Version: 01.00.06

Introducing the new Illustra Camera Manager configuration tool.

Illustra Camera Manager refreshes the older Illustra Connect and many new features will be added over several phased releases.

This release offers camera discovery and a quick configuration wizard for individual cameras, allowing users to quickly configure a camera.

Additional utilities include bulk template application, IP conflict detection and bulk firmware configuration.

Illustra Camera Manager is web-based so can be integrated with many JCI applications (such as Victor and Exacq Client) utilising their integrated browser function.

Key features of this release:

- Camera Discovery
  - Multiple Network Discovery
  - Automatic and Manual Scan option
  - Identify unconfigured cameras
  - Identify IP conflicts
- Configuration Wizard
  - Quick configuration of key areas:
    - Security configuration
    - Video Stream and Picture Configuration
    - Network setting
- New Firmware availability check by connecting directly to the Illustra Firmware repository cloud
  - Additional ability to Enable Automatic Firmware check and scheduler on camera directly (camera will need to have direct Illustra cloud access).
- Bulk configuration of camera using a Template
- Firmware Batch Update

Features

1 Web browser application
Allows easy integration within JCI applications like Victor Client and Exacq Client built-in browser

2 UI/UX Design
Intuitive design for seamless camera management and configuration

3 Discovery

3.1 ONVIF and WS-Discovery
Integrated for seamless camera detection

3.2 Multiple Networks Discovery
Can scan more than one network at a time

3.3 Camera Discovery
- Automated Camera Discovery
  Scans the selected network(s) and automatically identifies all connected IP cameras
- Manual camera connection
  Connect directly to a single camera by entering its IP address and credentials.
  Discover multiple cameras with their IPs by uploading a .csv file
- Discover and identify Unconfigured or Unauthorized cameras
- Identify IP conflicts

3.4 Comprehensive camera information
Gives detailed information for each discovered camera, including:
- Device name
- Model
- Product code
- MAC address
- IP address
- Status
- Thumbnail View of Camera Video

3.5 Credential configuration via Security Profiles
Security Profile allows the following to be configured as one action:
- Standard or Enhanced Security
- Username and/or password
- HOSTID

As well as being used for camera discovery (username and password) during scans

3.6 Search
Filter cameras for easier management

4 Initial Commissioning

4.1 Setup Wizard

- Accepting the EULA
- Security Profile
  - Configuring the HostID
    Requires a six-character alphanumeric input
  - Selecting the Security Level
    - Enhanced Security
    - Basic Security.
  - Changing the Username
    Cannot use `admin` *or* `Admin`
  - Changing the Password
    Password must have at least eight characters, including at least one character from each of the following groups:
    - upper case letters `A B C D E F G H I J K L M N O P Q R S T U V W X Y Z`
    - lower case letters `a b c d e f g h i j k l m n o p q r s t u v w x y z`
    - numeric characters `0 1 2 3 4 5 6 7 8 9`
    - supported special characters `! @ # $ % ^ & * ( ) , . ? " : { } | < >`

5 Illustra (iAPI3) Camera wizard

Bold text highlights full menu items available following initial Wizard configuration (Unconfigured status) when camera is in Normal status

5.1 General Configuration

- Add and edit Product Name
- Creating Groups- Tool can create and assign group to individual and Multiple cameras

5.2 Security Configuration

- Add and select Security Profile
- Authentication (Basic, Digest)
- Authenticate Video (Enable/Disable)
- HTTP/HTTPS Method
- Port configuration
- CSB upload
- Generate SCR tab
- User Management tab
  - Add/Delete Users
  - Edit Password

5.3 Network Configuration

- IPv6 (Enable/Disable)
- IPv4 Select connection Type
  - DHCP (Enable/Disable)
  - Static
- Static IP Assignment

Supports single IP assignment via IAPI and ONVIF

- Configurable Network Parameters:
  - IP Address (Single or Range)
  - Subnet Mask
  - Gateway
  - Domain Name Server (DNS)

5.4 Date, Time and OSD Configuration

- Set date and time
- Change date and time format
- Select time zone
- Select time update method:
  - Manual
  - by NTP
- OSD tab:
  - Text Size
  - Camera Name (Enable/Disable & Position)
  - Date Time (Enable/Disable, Format & Position)
  - User Defined (Enable/Disable, Input Field & Position)

5.5 Streaming Configuration (Video & Picture)

- Lens Calibration
- Video & Picture Configuration Options:
  - Exposure profiles
  - Orientation
  - Zoom
  - Corridor Mode
  - Focus
  - WDR
  - Defog
  - Frequency
  - Flickerless mode
- Configuration options:
  - Stream 1, 2, 3, 4
  - Resolution
  - Codec
  - Frame rate
  - Rate control
  - Bitrate
  - Maximum bitrate
  - Quality
  - Maximum GOP

5.6 Events

Enable & configure:

- SMTP
- FTP
- CIFS
- Snapshot
- Alarm
- Event Action

5.7 Analytics

- AI Object Detection:
  - Enable/disable AI
  - Configurations:
    - Rules Addition
    - Create Rule
    - Select Rule
    - Action
    - Select Object Type
    - Draw & Erase - Draw style, Select all, Clear and Invert Selection
    - Show/Hide Grid
- Motion Detection:
  - Enable/Disable Motion Detection and Motion Zone
  - Configurations:
    - Motion zone
    - Sensitivity
    - Action
    - Region configuration (Preview/Draw)
- Face Detection:
  - Enable/Disable Face Detection
  - Configurations:
    - Highlight faces
    - Enhance faces
    - Action
- Tamper Detection:
  - Enable/Disable Tamper Detection
  - Configurations:
    - Threshold
    - Duration
    - Image too Dark & % Threshold
    - Image too Bright & % Threshold
    - Action
  - Enable/Disable Blur Detection
  - Configurations:
    - Sensitivity
    - Duration
    - Action
- AI Privacy Mask:
  - Stream redaction class
  - Adjust minimum confidence
  - Enable/disable multiple streams AI Privacy Mask

5.8 Edge Recording

- Mount, unmount and format the SD card
- Configuration:
  - Record Settings
  - Record Source
  - Offline recorder IP Address
  - Enable/disable Event Record

5.9 System

- Maintenance:
  - Reset (preserve IP, preserver application, Preserve licence)
  - Record Source
  - JCI NVR IP Address
- Backup Restore:
  - Save Backup
  - Import Backup
- Logs:
  - Download Logs
    - System Log
    - Boot Logs
    - Audit Logs

5.10 Firmware Upgrade

- Tool checks Illustra Cloud repository and notifies user:
  - Availability of new firmware
  - Ability to update firmware immediately via tool, or delay by ten minutes and let tool manage update in the background
- Configure camera Automatic Firmware Update features
  - Weekly update check
  - Automatic update (with scheduler)
- Manual Firmware Upgrade

6 ONVIF Camera wizard

6.1 General Configuration
- Creating Groups- Tool can create and assign group to individual and multiple cameras

6.2 Picture Setting
- Brightness
- Saturation
- Contrast
- Sharpness

6.3 Video Setting
- Resolution
- Frame
- Quality

6.4 Update User
- Manage password

6.5 Network Settings
- DHCP (Enable/Disable)
- Static
- Static IP Assignment

Supports single IP assignment via IAPI and ONVIF
- Configurable Network Parameters:
  - IP Address (Single or Range)
  - Subnet Mask
  - Gateway
  - Domain Name Server (DNS)

7 Bulk Configuration

7.1 Grouping
- Assign groups of camera to a specific Group

7.2 Configure Network
- Configure Network setting on a range of cameras
  - IPv4 Configuration
  - IPv6 Enable/Disabling

7.3 Bulk Template
- Create and edit Bulk Configuration Template
- Choose the target cameras and do Bulk Configuration

7.4 Resolve conflict
- Resolve IP conflict to allow individual camera configuration

8 Maintenance

8.1 Firmware Batch Upgrade
- Choose the target cameras, select the firmware file from local storage and do Firmware Batch Upgrade

8.2 Factory Reset
- Choose the target cameras, select the reset type: Preserve IP and Full reset

8.3 Reboot
- Choose the target cameras, select reboot to boot cycle the selected cameras

9 Project Storage
- Export and encrypt data in relation to Device details. Security Profiles, Bulk configuration (Templates) & Tool User management
- Import Project storage backups
- Schedule periodic backup of data

10 Help
- Support links: Link to Illustra website and support portal
- Feedback: Allows user to provide feedback on tool
- User Manual: Document detailing functionality of the tool
- Export Logs: Useful for troubleshooting, logs all iAPI3 activities between the tool and cameras
- About: Version number of the release

Tool Credentials

- Username: `admin`
- Password: `admin`
- Change request at first login:
  - Changing the Password

    Password must have at least eight characters, including at least one character from each of the following groups:
    - upper case letters `A B C D E F G H I J K L M N O P Q R S T U V W X Y Z`
    - lower case letters `a b c d e f g h i j k l m n o p q r s t u v w x y z`
    - numeric characters `0 1 2 3 4 5 6 7 8 9`
    - supported special characters `! @ # $ % ^ & * ( ) , . ? " : { } | < >`

Known limitations and issues

Description	Suggested Work-Around
Bulk configuration and Maintenance are only supported via iAPI3 method	
Discovery across VLAN is not currently supported	
Upgrading from ICM release 1.0 to 2.0 will reset all Security groups and Templates due to additional changes in this release	Reconfigure Security groups and Templates
Some cameras might have some incompatibilities due to older or missing API3, in particular older generation of cameras	
Templates will be to be created for sensor-specific target cameras even if not including sensor-specific details	
Some cameras may fail to correctly authorise or accept changed due to timeouts	Do a refresh/retry
If using the Tool via intranetwork, Tool background window must be running on host machine to allow remote access. An automatic Windows startup application inclusion is prompted during wizard to allow a rebooted machine to automatically launch the applications.	
Camera set in Enhanced Security mode will have ONVIF discovery disabled so will not be discoverable	To allow discovery, use the Manual Scan feature with a list of individual IP or CSV list
Stream preview may not be supported during ENH security or if camera is set to “HTTPS only” configuration	
Depending on response times from camera, some cameras may fail to discover as iAPI3 camera, but rather as ONVIF; this will limit their functionality	Do a new scan. If camera(s) continue to show slow response, try rebooting camera(s) to restore full functionality.
User Management has been updated to use hashed password storage. Therefore existing passwords will not be retained after installing the new executable.	After installation, use the default credentials (admin / admin) to log in. It is recommended that you change the password immediately after first login
Windows 10 (32-bit) is not supported.	
Project Storage Report- Authenticated Video and Image Download Access: • When Authenticated Video is enabled, both Digest Authentication and Basic Authentication are automatically disabled. Therefore authentication-based access for image retrieval is not supported in this configuration. • Users are unable to download images from project storage when Authenticated Video is enabled. • Any workflows or integrations that rely on Digest or Basic Authentication for image access will fail.	

Contact Information

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