



American Dynamics

From Tyco Security Products

VideoEdge Camera Handler Release Notes

VideoEdge 4.9.0
IllustraStandardIN Handler 4.9.0.2004018

*In case of discrepancy, the information in this document supersedes information
in other document(s), media(s) or
provided verbally.*

Illustra StandardIN

This VideoEdge camera handler is fully integrated with the Illustra StandardIN line of IP cameras. Illustra StandardIN, generally, doesn't change the core API interface for their cameras. This VideoEdge camera handler is based on the Illustra StandardIN core API package version "IP Media Device Management Protocol User Guide Version 2.0." As Illustra StandardIN continues to release new cameras there may be instances where specific Illustra StandardIN cameras are not listed in these release notes. A generic Illustra StandardIN camera handler is available for these unlisted cameras provided it supports the Illustra StandardIN CGI interface.

Supported Illustra StandardIN cameras:

Model	CODEC Supported	Audio	I/O	PTZ	Edge Motion Detection	Edge Motion Detection Metadata	VideoEdge Versions Supported	Certification
Bullet								
ADCi350-B111	H.264, MJPEG	Yes	1/0	Yes	Yes	No	4.7.0,4.8.1,4.9.0	Works as designed
ISS02XNNNGIY	H.264, MJPEG	Yes	1/0	No	Yes	No	4.8.1,4.9.0	Tested & Certified
Dome								
ISS02D1OCWIT	H.264, MJPEG	Yes	1/0	Yes	Yes	No	4.8.1, 4.9.0	Tested & Certified
SpeedDome								
ADC-P114-302	H.264, MJPEG, MP4V	Yes	7/0	Yes	Yes	No	4.7.0,4.8.1,4.9.0	Works as designed
ADC-P114-302IR	H.264, MJPEG, MP4V	Yes	7/0	Yes	Yes	No	4.7.0,4.8.1, 4.9.0	Works as designed
ISS04P6ONWIT	H.264, MJPEG	Yes	2/0	Yes	Yes	No	4.8.1, 4.9.0	Tested & Certified
Generic Camera								
Generic camera	Model Dependent^[1]						4.7.0,4.8.1, 4.9.0	Works as designed

Note

Generic models are fully featured for unlisted models supporting video stream, audio stream, PTZ, dry contact events, Edge Based motion and query device to discover camera capabilities. For specific models, the handler dynamically queries the capabilities from the camera.

Supported Key Functions

- Video Streaming – Single and Dual
 - Video Codec –H.264, MJPEG, MP4V
- Audio Streaming
 - Audio codec – G711mulaw
- PTZ
- Dry Contact Events
- Edge Based Motion Events
- Query Device
- Reboot Device

Supported Camera API & Models

Model	Minimum Camera Firmware Version
Bullet Camera	
ADCi350-B111	V3.1.0.150909
ISS02XNNNGIY	V3.1.0.170330
SpeedDome	
ADC-P114-302 ADC-P114-302IR	V3.1.0.150818
ISS04P6ONWIT	V3.1.0.170401
Dome Camera	
ISS02D1OCWIT	V3.1.0.160707

Required Network Ports

- Port 443 is for HTTPS
- Port 554 is for RTSP

Default Username & Password

- Username: admin
- Password: admin

From firmware V3.1.0.17XXXX, the default Username is admin, but default Password need user to set when first login.

Camera Serial Number

The NVR will use the camera's MAC address as the camera serial number.

Video Stream Feature

The specific video stream feature characteristics by model families are:

Model Family	Video Stream Feature
ADCi350-B111 ISS02D1OCWIT ISS02XNNNGIY ISS04P6ONWIT	Single stream First stream H.264 Second stream H.264/MJPEG Dual stream H.264+ H.264/MJPEG
ADC-P114-302 ADC-P114-302IR	Single stream First stream H.264/MP4V Second stream H.264/MJPEG/MP4V Dual stream H.264/MP4V + H.264/MJPEG/MP4V
Generic	Depends on camera capability

Audio Stream Feature

The specific audio stream feature characteristics by model families are:

Model Family	Audio Stream Feature
All	G711mulaw
Generic	Depends on camera capability

Event Stream Feature

The handler uses HTTP pushing mode to get the dry contact status of each camera. The maximum number of dry contact events supported by each camera family are:

Model	Max # of Dry Contact Supported
ADCi350-B111	1
ADC-P114-302	7
ADC-P114-302IR	7
ISS02D1OCWIT	1
ISS04P6ONWIT	2
ISS02XNNNGIY	1
Generic	Dynamically acquire from camera

Special Points

- Before using Dry Contact Events and Edge Based Motion, users must first enable them on the camera's web GUI.
 - Dry Contact Events
 - Set "Arming Schedule"
Advanced Configuration -> Basic Event -> Alarm Input -> Arming Schedule
 - Enable "Notify Surveillance Center"
Advanced Configuration -> Basic Event -> Alarm Input -> Linkage Method -> Normal Linkage -> Notify Surveillance Center
 - Edge Based Motion
 - Enable Motion Detection
Advanced Configuration -> Basic Event -> Motion Detection -> Enable Motion Detection
 - Set motion detection area
Advanced Configuration -> Basic Event -> Motion Detection -> Draw Area
 - Set "Arming Schedule"
Advanced Configuration -> Basic Event -> Motion Detection -> Arming Schedule
 - Enable "Notify Surveillance Center"
Advanced Configuration -> Basic Event -> Motion Detection -> Linkage Method -> Normal Linkage -> Notify Surveillance Center
- For the PTZ cameras, if the user wants to control iris on victor client, they should change the "Exposure Mode" to "Manual" on camera's web GUI before adding to the NVR.
- Quality values are displayed as integers on the camera's web GUI, however the NVR uses six levels of quality to display these (Lowest – Highest). This is mapped depending on the values offered by the camera.

Limitations

Model	Limitations	Work around
All models	[Bug 156357] The handler doesn't support H264 profile, even though it is supported in camera web GUI. Reason: Camera has no API to control H264 profile	After adding the user can go back to the camera's web GUI and set the H264 profile which will then be applied on the NVR(Configuration -> Video/Audio -> Profile).

ADCi350-B111 ISS04P6ONWIT ISS02XNNNGIY	Handler doesn't support WDR(Wide Dynamic Range) disabled. Reason: Camera API's limitation	User can only close the WDR mode on camera web GUI after adding(Advanced Configuration -> Image -> Backlight Settings -> WDR).Once WDR is closed on camera web GUI, the value of 'Wide Dynamic Range' which displayed on NVR web GUI can't be referenced.
ADC-P114-302IR ADC-P114-302 ISS04P6ONWIT	[Bug 163885] The Iris function works as nudge not continuous Reason: Camera's limitation	N/A
All Models	The live view and stream configuration on NVR are unavailable any more after the security group is changed to incorrect one and then changed back.	Reboot camera or do factory default will recover. (Reason: The camera API is locked if using incorrect security group on NVR.)
ISS02D1OCWIT ISS04P6ONWIT ISS02XNNNGIY	[Bug 151687] Can't change MJPEG quality on VE NVR web page if the Bitrate Type is set to "Constant" on camera web page.	User should go to camera web page change Bitrate Type from "Constant" to "Variable" (Configuration -> Video Settings -> Bitrate Type), then user can change MJPEG quality on NVR web page.
All models	It's always failed to add camera or searched out camera by auto-discovery when first installed handler on NVR, after about 30min, the camera can be added successfully and auto discovery works normally.	Disable "Enable Illegal Login Lock" option on Security Service on Camera web page before adding to NVR.
ISS04P6ONWIT	The video and audio are unsynchronized slightly when set to max resolution and fps.	Lower down the resolution of camera.

Known Issues

None