



# Release Notes

## Discovery Network Assistant (DNA) V2.3.0.12

Rev. 1

October 7, 2019

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**Document History**

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# 1 Introduction

FLIR's **DISCOVERY NETWORK ASSISTANT (DNA)** provides initial setup and parameter maintenance for FLIR security cameras.

Certain FLIR cameras now support cyber security features; DNA V2.3.0 incorporates enhancements that support cameras with additional cyber security features enabled.

The cyber security enhancements include:

- Support for communication over TLS with the cameras
- Support for authentication (basic and digest) and enforcing authentication for most actions

This DNA version also supports newly released FLIR security cameras.

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## 2 Product Features

### 2.1 Cyber Security Features

In accordance with FLIR's cyber security policy, new cameras and new firmware for existing cameras add support for cyber security.

This DNA version supports FLIR Core cameras with newly added cyber security features. This is available with the FLIR Core plugin only – for Nexus-based cameras.

This version introduces the following features.

#### 2.1.1 Added Authentication Types

In DNA 2.3.0, the FLIR Core plugin includes digest authentication.

The DNA attempts to use basic authentication and if unsuccessful, uses digest authentication. It does not require the user to choose the authentication method.

#### 2.1.2 Added Authentication for All DNA Operations

Beginning with this version, all DNA operations (except discovery) for FLIR plugin cameras require authentication.

This affects all operations done via the DNA. Discovery operation work as in earlier versions; there is no need for a password.

#### 2.1.3 TLS Communication

This DNA version can communicate with cameras that use TLS. The DNA supports TLS communication for IP setup, video format, FW upgrade and reading parameters from the camera.

The DNA supports cameras with TLS and without TLS; there is no need to specify to the DNA whether the camera uses TLS or not.

It supports CA and self-signed certificates.

Broadcast discovery does not work with TLS; cameras with TLS enabled need to be manually added to the DNA.

### 2.2 New Camera Support

This version adds support for:

- 4K IR PTZ camera (CP-6408-21-I)

- DM Series cameras

## 2.3 Other Features

### 2.3.1 Camera Serial Number

The camera's serial number now appears in the camera properties tab and in the export report.

### 2.3.2 Disable Factory Default for Legacy FLIR Thermal Cameras

For PT-Series, D-Series, F-Series, FC-Series S, FC-Series R and A310PT cameras, this version only supports discovery & IP setup with latest released camera FW. In previous DNA versions, users could perform a factory default for the cameras using the DNA.

This feature is disabled in the UI and is not available for these cameras.

### 2.3.3 UI Improvements

In this version, the **Select all** button is enabled at all times. In earlier versions, this option was available only after the user chose at least one camera.

Enhancements to the Properties window's look and feel include:

- ✓ All fields are now in the same shade of grey
- ✓ The DHCP selection box is now a darker shade of grey
- ✓ DHCP is now a label
- ✓ All editable boxes (Device Name or Host Name) now have a white background, while other boxes are grey.

## 3 Supported Devices

This version does not incorporate any changes regarding plugins supporting the various cameras and encoders. There has been no new plugin added.

### Important

DNA V2.1.3.15 supports cameras this DNA version does not support. You can download DNA V2.1.3.15 from <https://flir.box.com/v/vLegacyDNA>.

The following is a comprehensive list of cameras and encoders this DNA version supports. For information regarding supported features per device, consult the device's firmware release notes or other technical documentation.

### 3.1 Thermal Security Cameras

- *Saros Dome DH-390 2MP*
- *DM-Series O - New*
- *F-Series ID*
- *FB-Series O*
- *FB-Series ID*
- *FC-Series ID \**
- *FC-Series O*
- *PT-Series HD & PT-602CZ HD*
- *CP-5302*
- *PT-Series, D-Series, F-Series, FC-Series S, FC-Series R, A310PT cameras - Supports discovery & IP setup with latest released FW*

\* FLIR FC-Series ID cameras are supported for FW upgrade from V2.0.3 P06 and above. For earlier versions, use the FC-Series ID Legacy Upgrade Tool, which can be downloaded from [here](#).

### 3.2 Visible Security Cameras

#### 3.2.1 Quasar Gen III and Gen IV Cameras

- *CP-6408-21-I - New*
- *CP-6302*
- *CM-6308-P1-I*
- *CF-6308*

### 3.2.2 Ariel Gen III Cameras

- *CB-3304*
- *CM-3304*
- *CB-3308*
- *CM-3308*

### 3.2.3 ioi HD Cameras

- *CB-5222*
- *CF-5222*
- *CF-5212*

### 3.2.4 ioi Encoders

- *ioi-TRK-101*
- *ioi-TRK-101-P*

### 3.2.5 ioi SD Cameras

- *ioi sc1dn-S camera*

### 3.2.6 Quasar Gen II Cameras

- *CB-6204-11-I*
- *CM-6204-11-I*
- *CM-6204-11-I-RO*
- *CB-6208-11-I*
- *CM-6208-11-I*
- *CM-6212*
- *CM-6206*

### 3.2.7 Ariel Gen II Cameras

- *CB-3102*
- *CM-3102*
- *CC-3103-01-I*



### 3.2.8 Quasar Gen I Cameras

- CM-3211
- CM-4221
- CM-4251
- CM-4321
- CP-3211
- CP-4221
- CF-3211
- CF-4221
- CF-4251

### 3.2.9 Ariel Gen I Cameras and Encoders

- EN-204
- EN-216
- CM-3011
- CB-3011

*Ariel Gen I cameras and encoders require a separate WinPcap installation, which is no longer part of the DNA. Users should download and install WinPcap separately or use DNA V2.1.3.15, which can be downloaded from [here](#).*

#### Notes

- This DNA version does not support Midas, Verint, ioi-Thermal and PRO Visible cameras. This DNA version cannot perform a FW upgrade for Quasar Gen I cameras with FW earlier than 20140914. DNA V2.1.3.15 supports these cameras and can be downloaded from [here](#).
- If a camera's default IP addressing is set to DHCP and there is no DHCP server on the network, the DNA cannot discover the camera. For the DNA to discover the camera, specify for the PC on which DNA is running an IP address that is on the same network as the camera's default IP address.

## 4 Supported Operating Systems

The DNA can run on a Windows machine running one of the below operating systems:

- *Windows 7 Professional SP1 - 64 bit*
- *Windows 8.1 Pro - 64 bit*
- *Windows 10 Pro - 64 bit*
- *Server 2008 R2 SP1 - 64 bit*
- *Server 2012 R2 - 64 bit*
- *Server 2016 - 64 bit Standard Edition*

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## 5 Fixed Issues

Bug ID	Description
DNA-43	Device Properties - Device name and Format needs to be more readable (same as all other parameters)
DNA-137	Device Properties - The display is a bit distorted
DNA-142	FC-ID & FB-ID - Unable to set new IP from other VLAN
DNA-148	Beta case #0023396 - DNA could not change the CP-6408 IP
DNA-153	Beta case #0023272 - CP-6408 is sometimes discovered as error
DNA-155	FB-309 ID - Unit from other VLAN add to new VLAN is reported as ONLINE (Should report Limited access)
DNA-156	Assign IP gives wrong indication when a device is not logged-in instead of saying a sign in is required
DNA-158	DH and DM changing credentials with an unauthorized password results in error and no indication why
DNA-166	some thermal cameras are not discovered as limited access when set with an IP out of the VLAN
DNA-174	FB-ID - FW 1.3.2.4 - not changing to DHCP from limited access

## 6 Known Issues and Limitations

Bug ID	Description
DNA-77	Support to 5th imager - cannot upgrade 5th Imager firmware from DNA. Upgrade should be performed from the camera web interface.
DNA-32	Assign IP – sometimes assigns an IP address which is already in use
DNA-12	PT-HD – sometimes DHCP is not updated until a refresh
DNA-91	HTML export page does not include temperature column
DNA-92	There is no WinPcap installation needed for Ariel gen i
DNA-84	CP- 5302-31-I - IP setup – DHCP - shows rebooting even though IP address has been assigned
DNA-85	EN-204 - DHCP to DHCP ends in error
DNA-80	CC-3103-01-I – DNA shows “Format not updated” even though format has been changed
DNA-98	CC-3103-01-I - after assign IP unit is not authenticated
DNA-81	CM-3304-21-I – IP setup – DHCP - shows rebooting even though IP address has been assigned
DNA-4	ioi HD - upgrade firmware - If user rename the file name to a different name (example xxxxx.yyyy) after restart the unit is not working right
DNA-58	On some cases cameras become "Not authenticated" after upgrade until DNA is restarted
DNA-73	GenX & DNA Unable to set new Host Name (Not update in the web) in Device Properties
DNA-75	Added cameras are not removed when going offline
DNA-88	FC-645-R-Pal - from limited access to DHCP, in IP setup show rebooting but on discovery list unit received new IP



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## 7 Disclaimer

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