



**Firmware Version:** V1.22\_2825  
**Prom Code Version:**  
**Published Date:** 2013/7/24

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## Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version
V1.22_2825	2013/7/24	DCS-942L	A1~A4
V1.21_2811	2013/6/21	DCS-942L	A1~A4
V1.20_2421	2013/3/29	DCS-942L	A1~A4
V1.12_1628 (EU) V1.12_1608 (WW)	2012/7/23	DCS-942L	A1~A3
V1.11_1426	2012/5/9	DCS-942L	A1~A3
V1.00	2011/8	DCS-942L	A1

## Upgrading Instructions:

Follow the steps below to upgrade the firmware:

1. Download the latest firmware file from the D-Link website. The file is in .bin file format.
2. Log-in camera web UI and enter setup/Maintenance/Firmware upgrade
3. Click Browse... and specify the firmware file.
3. Click Upgrade. The camera starts to upgrade and will reboot automatically when the upgrade completes.

## New Features:

Firmware Version	New Features
V1.22_2825	<ol style="list-style-type: none"> <li>1. Support 2-way audio for portal and App</li> <li>2. Combine two firmware version into one firmware.</li> <li>3. Support Portuguese language.</li> <li>4. Change the SD recording video clip file format default setting from avi to mp4.</li> <li>5. Refine the available HTTP/RTSP/HTTPS port range and external HTTP/RTSP/HTTPS port range as 1~65535.</li> <li>6. Mydlink Agent: 2.0.17-b21.</li> </ol>
V1.21_2811	<ol style="list-style-type: none"> <li>7. Upgrade to UPnP v1.6.18.</li> <li>8. Mydlink Agent: 2.0.17-B15</li> </ol>
V1.20_2421	<p><b>Firmware V1.20_2421 is only supported by wizard v1.02.10 or above.</b></p> <ol style="list-style-type: none"> <li>1. Support HTTPS <ul style="list-style-type: none"> <li>■ Support HTTPS Web Pages (not include Live Streaming)</li> <li>■ Support HTTPS Port and HTTPS External Port Setting</li> <li>■ Certification management</li> <li>■ WebUI for HTTPS connection (streaming keep on HTTP)</li> <li>■ Configure/control under HTTPS</li> </ul> </li> <li>2. Support IPv6</li> </ol>

- IPv6 certification
- IPv6 live view
- 3. Support ONVIF v2.2
  - ONVIF Profile S Certification
  - Add Search Domain field for network setting
  - Add Set NTP Server from DHCP for NTP Sync
  - Frame rate support 6 fps
- 4. Support AAC audio
  - RTSP with AAC
  - NIPCA Audio CGIs, /audio/ACAS-AAC.cgi
- 5. Support .mp4 file format with AAC
  - SD recording
  - Video clip
- 6. Support Apple HTTP Live Streaming
- 7. Support IP Filtering
- 8. Support Sound Detection
- 9. Support Schedule on Day/Nigh Mode
- 10. Support no separated file on SD recording trigger by motion

**Enhancement:**

1. Enhance NCSPlugin for live view
  - Windows
  - Mac OS X
2. Refine the DDNS timeout
 

DDNS update interval:

Case 1: If DDNS can be connected successfully.  
The reload interval will be a fixed time as DDNS timeout, and the valid range is between 24 and 65535.

Case 2: If DDNS is failed to be connected.  
The retry interval will be an increasing time as 30 seconds, 60 seconds, 120 seconds, 240 seconds, 480 seconds, and then keeping retrying every 900 seconds until the DDNS can be connected.
3. Refine the interval for Video Clip/Snapshot feature

The refined interval is as following.

Function	Target	Trigger method	Available	Default

			Range	Value	
Snapshot	FTP	Always / Schedule	10 ~ 86400	300	
		Motion / Sound	10 ~ 86400	10	
	E-mail	Always / Schedule	30 ~ 86400	600	
		Motion / Sound	30 ~ 86400	30	
	Video Clip	FTP	Always / Schedule	30 ~ 86400	300
			Motion / Sound	10 ~ 86400	10
E-mail		Always / Schedule	60 ~ 86400	600	
		Motion / Sound	30 ~ 86400	30	

4. Refine the display order for SD management
5. Refine the dwelling time of Day/Night mode switching.
6. Refine the available port setting as default port number and range from 1025 to 65535.

<p>V1.12_1628 (EU) V1.12_1608 (WW)</p>	<ol style="list-style-type: none"> <li>1. Update mydlink agent to 2.0.15-B11.</li> <li>2. Add SD card warning message.</li> <li>3. Add mydlink agent version information.</li> <li>4. Fine tune NTP failure when network is not accessible at boot time.</li> <li>5. Support Direct View Web Pages. Using following URL to get live video - <a href="http://camera_ip/vaview.htm">http://camera_ip/vaview.htm</a> for Windows IE</li> </ol>
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	- <a href="http://camera_ip/vjview.htm">http://camera_ip/vjview.htm</a> for non-Windows IE
V1.11_1426	<ol style="list-style-type: none"> <li>1. Enable playback in mydlink portal.</li> <li>2. Changed the system default time to 2012-01-01.</li> <li>3. Changed the system default IP to 192.168.0.20.</li> <li>4. Changed the Video Type for SD card recording. It will store both one snapshot and video clip into the SD Card.</li> <li>5. Support Encode Method for H.264 and MPEG4 Streaming.</li> <li>6. Support H.264 streaming for Profile 4.</li> <li>7. Improved error handling of SD hot-plug.</li> <li>8. Reduces noise of low-light streaming.</li> <li>9. Improved live view compatibility for IE9.</li> <li>10. Added the recording period of SD recording can support 1/2/3/4/5/6 minutes.</li> <li>11. Enables live streams in Non-IE browser on Microsoft Windows OS.</li> <li>12. Add support PIR sensitivity function and set the default setting to low.</li> </ol>

## Problems Fixed:

Firmware Version	Problems Fixed
V1.22_2825	<ol style="list-style-type: none"> <li>1. Refine Day/Night mode switching judgment.</li> </ol>
V1.21_2811	<ol style="list-style-type: none"> <li>1. RTSP Authentication is default enable.</li> <li>2. Fix security vulnerability item CVE-2013-1602 from CoreSecurity.</li> </ol>
V1.20_2219	<ol style="list-style-type: none"> <li>1. Fix multiple login SD card playback error for myDlink</li> </ol>
V1.11_1426	<ol style="list-style-type: none"> <li>1. Extent manual time setting list.</li> <li>2. Update ActiveX version to v6216.</li> <li>3. Fine tune log and some log message to make sure log page display correctly.</li> <li>4. Fixed video clip failures caused by the image frame size is too large.</li> </ol>

## Known Issues:

Firmware Version	Known Issues

## Related Documentation:

N/A