Firmware Version: V1.11.01
Prom Code Version:
Published Date: 2017/11/9

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Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version
V1.11.01	2017/11/9	DCS-935L	A1
V1.10.01	2017/1/24	DCS-935L	A1
V1.09.02	2016/8/5	DCS-935L	A1
V1.08.06	2016/1/13	DCS-935L	A1
V1.07.03	2015/10/16	DCS-935L	A1
V1.06.02	2015/7/20	DCS-935L	A1
V1.05.01	2015/6/16	DCS-935L	A1
V1.04.06	2015/5/4	DCS-935L	A1
V1.03b01	2015/1/28	DCS-935L	A1
V1.02b02	2015/1/7	DCS-935L	A1
V1.01b09	2014/11/28	DCS-935L	A1
V1.00b27	2014/10/14	DCS-935L	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
V1.11.01	1. mydlink agent upgrade to 2.2.0-b14.
V1.10.01	1. mydlink agent upgrade to 2.1.0-b45. 2. Added UID support
V1.09.02	1. Wireless - improving wireless performance. 2. Audio - PCM - changed PCM from stereo to mono and modified related applications. 3. LED behavior - fix DUT LED would be solid red after reboot DUT in static IP. 4. WPS - WPS Button support re-click. 5. Image Settings - fix black and white option may not work when Night mode turned on. 6. Daylight Saving - fix daylight saving time incorrect at "(GMT-05:00) Eastern

	Time (USA & Canada)". 7. FTP - fix ftp upload failed issue when ftp account doesn't need password. 8. email - support snapshot email sending total 6 picture in one mail 9. HTTPS certification - using MAC address for random seed to generate private / public key. 10. Webpage - modified D-Link website link from "http://support.dlink.com" to "http://www.dlink.com". 11. Webpage - network - show message when setting is modified. 12. mydlink agent - upgrade to version 2.0.20-b43. 13. system time - modified default to 2016.07.13.
V1.08.06	1. Modified default time to 2015.12.15.000000. 2. Modified certification from SHA-1 to SHA256. 3. Generate HTTPS certification after factory reset. 4. ActiveX - Sign ocx with with SHA2 and cab with SHA1. 5. ActiveX - improved ActiveX for IE disconnect issue. 6. Enhance shutter control method for over exposure sometimes. 7. Return HTTP Status Code from 408 to 403 when CSRF attacking by following D-Link IPCam CSRF Protection 20151113.pdf. 8. Fix webpage code error (can't watch live view issue) on IE7. 9. Modify SSID default value from "dlink" to "default" 10. Change WPS 2.4G to first priority. 11. ICMP - turn off ping function. 12. Upgrade openssl to version 1.01p. 13. Modify the rule of the synchronizing with ntp server by D-Link IPCam NTP Behavior Specification. 14. Snapshot/Video Clip - fix sending email via SSL/STARTTLS always failed issue after DCS-935L rebooting. 15. Support TLS 1.0/1.1/1.2. 16. Modify protect from brute-force attack rule to compatible with mydlink app. 17. Implement Authticate only by basic or digest. 18. Disable RC4 algorithm. 19. Using FLASH when browser is not IE. 20. FTP - add Login Type option. 21. FTP - fix muti-language - Italiano - incorrect issue. 22. Add HTTP / RTSP authentication option. 23. Show warning message on top when add existed user name. 24. Pop message when HTTP Port / HTTPS Port / RTSP Port are the same. 25. Date and time - fix muti-language incorrect issue. 26. ActiveX and Java Applet - applied new VeriSign. 27. Block UI when user changing image settings. 28. Allow special character '/' on password. 29. Support Camera Name from 10 characters to 26 characters. 30. Auto detect language - auto select language by OS language. (only for IE, other browsers select language by browser language) 31. Snapshot - fix muti-language text incorrect issue. 32. UPnP - fix uuid incorrect issue. 33. Implement NETIPCAS 1.0.0. 34. Firmware upgrade - stop network daemons when firmware upgrading. 35. Fix webpage config using weak encryption issue. 36. Using jQuery-1.11.0 to prevent from XSS attack. 37. UPnP - fix parsing incorrect HTTP Header may crash issue. 38. RTSP Server - fix RTSP Server Crash issue when incomming Header incorrect. 39. HTTPS certification (1024) - replace HTTPS certification to 2048 for security issue. 40. Upgrade mydlink agent to version 2.0.20-b01.

V1.07.03	**1.** Update new VeriSign. **2.** Upgrade to version 2.0.19-b50n
V1.06.02	**1.** mydlink agent - upgrade mydlink agent to 2.0.19-b50 **2.** Enhance wireless performance. **3.** Improvement of firmware upgrading. **4.** Support Security Mode - WPA or WPA2 / TKIP or AES. **5.** Auto changing webpage language by OS language **6.** Sort site survey result by signal, SSID, Channel and Encryption. **7.** Update time zone table for 2015 Russian time zone changed.
V1.05.01	**1.** upgrade mydlink agent to 2.0.19-b40 for fixing cloud NVR malfunction when audio is disable via web GUI.
V1.04.06	**1.** Change daylight saving default value from disable to enable. **2.** Change agent to 2.0.19-b20.
V1.03b01	**1.** Support cloud NVR via mydlink home App. (depends on territory announcement) **2.** Blinking power red LED when firmware upgrading. **3.** Disabled SSLv3 and RC4 algorithm. **4.** Change agent to 2.0.18-b56.
V1.02b02	**1.** Enhance image quality. **2.** Live view doesn't need to reload webpage when change video profile. **3.** Change agent to 2.0.18 b52.
V1.01b09	**1.** Enhance image quality **2.** RTSP Server - fix authentication failed issue when password length is longer than 4 characters. **3.** Webpage -firmware upgrade - increase times for webpage reloading after firmware upgrading. **4.** Webpage - fix wifi channel is incorrect issue. **5.** Webpage - Live - add zoom-in 8x function and modify related help info content. **6.** Webpage - Live - add Motion/Sound and event recording indicator. **7.** Motion Detection - remove "percentage" setting. **8.** OpenSSL - upgrade openssl version to 0.9.8zc to fix security issue. **9.** OSD time cutted issue when H.264 is 720x480, MJPEG is 1280x720. **10.** Snapshot and Video Clip - implement "Always" and "Schedule" on option - "Trigger By", and modify related Webpages and CGIs. **11.** Audio Detection - modified audio dB calculation to fix environment sound level can't arrive to 100 db issue. **12.** Change agent to 2.0.18-b27
V1.00b27	1st version

Problems Fixed:

Firmware Version	Problems Fixed
V1.11.01	1. Fix WPA 2 security issue
V1.10.01	1. Wireless - AP Mode - fixed beacon broadcast issue when turn off AP mode.
V1.09.02	1. fw_upgrade - modified the order of upgrading process to fix hang issue when upgrading fw from portal. 2. fw_upgrade without auto rebooting issue when firmware file is incorrect. 3. Webpage - Restore Configure Files - fix restoring configure values may

	incorrect issue when configure values using special character '$'. 4. Webpage - Restore Configure Files - fix wifi ap - ssid and password incorrect issue after configure restored. 5. Webpage - multi-language - German - fix "WLAN-Setup" and "FTP Test erfolgreich" incorrect issue. 6. Webpage - Multi-Language - Italian - modified "Reboot The Device" to "Riavvia la telecamera". 7. Webpage - Multi-Language - Italian - modified "LED Bianco" to "LED Telecamera".
V1.08.06	1. Modified Camera Name format to 0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz_-|for bonjour hostname not work issue. 2. Fix wireless 11ac can not up to 433 issue. 3. Fix WI-FI site survey result incorrect issue when ap security mode is not - NONE/WEP/WPA1/WPA2. 4. Fix ipfind, ddp and webpage...etc may get zero IP and Mac address issue. 5. Fix LED still turn on, but LED Control is off after camera rebooting. 6. Event Recording Schedule - fix event recording schedule start time can't bigger than end time issue. 7. Fix manual recording stopped issue. 8. Fixed unknow publisher to D-LINK CORPORATION when IE install 9. Webpage - Advanced - fix can't change password again when password contain special character :
V1.06.02	**1.** Fix security issue - a. Web Server - fix HTTP Request buffer overflow issue. b. Web Server - fix function level access control issue. c. Web Server - fix stored cross-site scripting issue. d. Web Server - fix insecure direct object references issue. e. Web Server - remove QA test CGI - telnet. f. Web page - fix webpage information leakage issue. g. Web page - fix CSRF issue. h. Webpage CGI - fix audiovideo.cgi may cause system crashing issue when parameters are invalid. i. HTTPS - disable unsafe algorithms to fix security issue. j. RTSP Server - fix authentication issue.
V1.04.06	**1.** Fix mail sending failed when mail server only supports TLS encryption **2.** Fix 2 devices have the same IP, router lists 2 devices the same MAC, or device DHCP lease expires issue. **3.** Linux kernel - resolve localhost TCP connection blocked issue. **4.** Streaming CGI - modify timeout from 20 secs to 60 secs for fixing connection disconnect easily when network unstable. **5.** Fix firmware upgrade blocked issue when wifi is unstable. **6.** Fix Timezone - Paicfic Time (US & Canada) DST time incorrect issue. **7.** Fix 5G connection unstable issue. **8.** Fix frame rate issue on low lux environment. **9.** Protect from brute-force attack. **10.** Wireless default cipher type setting from "TKIP" to "AES" when AP/router supports "TKIP" and "AES".
V1.03b01	**1.** Fix recording button status abnormal on IE10 webpage.
V1.02b02	**1.** Fix snapshot/recording stopped issue when snapshot and recording files sent to FTP at the same time. **2.** Fix OSD text is gibberish sometimes. **3.** Fix Manual Recording on web page not closing recording file correctly when users close webpage without clicking "stop recording" button. **4.** WPS compatibility problem. (compatible with D-Link Wi-Fi router - DIR-510L)

Known Issues:

Firmware Version	Known Issues
V1.11.01	The password part must be hashed when login account and change password.

Related Documentation:

N/A