



Software Version: V1.07.10
Agent Version: V2.2.0-b39n
Published Date: 2018/07/25

Content:

Revision History:	2
New Features:	2
Problems Fixed:	3
Known Issues:	6
Related Documentation:	7

Revision History:

Software Version	Date	Model	Hardware Version
V1.00.45	2014/08/01	DNR-312L	A1
V1.01.05	2014/08/08	DNR-312L	A1
V1.02.03	2015/03/05	DNR-312L	A1
V1.03.02	2015/05/25	DNR-312L	A1
V1.04.03	2105/10/10	DNR-312L	A1
V1.05.06	2015/12/10	DNR-312L	A1
V1.06.07	2016/08/12	DNR-312L	A1
V1.07.04	2017/05/05	DNR-312L	A1
V1.07.05	2018/02/14	DNR-312L	A1
V1.07.09	2018/04/27	DNR-312L	A1
V1.07.10	2018/07/25	DNR-312L	A1

System Requirement (minimum HW requirement)

System Minimum Requirements	
Hardware Requirements	One 3.5" SATA hard disk drive
Network Requirements	Broadband Internet connection (for remote access) Network camera(s) (refer to the D-Link website for a list of supported cameras) 10/100/1000 Mbit Ethernet switch or router
Web-based Configuration Utility Requirements/Remote PC Minimum Requirements	Computer with the following: Computer with Microsoft Windows 7, 8, Vista, or XP (with Service Pack 3); Mac OS X (10.7 or above) PC with Pentium 4 – 2.4 GHz or above; at least 512MB RAM Internet Explorer 8, Firefox 12, Chrome 20, or Safari 4 or higher. Existing 10/100/1000 Ethernet-based network

New Features:

Software Version	New Features
V1.00.45	New model MP FW release

V1.01.05	1. Upgrade the mydlink agent 2.0.17-b.
V1.02.03	1. Upgrade the mydlink agent 2.0.18-b45
V1.03.02	1. Support mydlink auto FW upgrade function. 2. IP filter exclude IP camera list.
V1.04.03	1. Upgrade the mydlink agent 2.0.18-b45n
V1.05.06	1. Upgrade the mydlink agent 2.0.19-b89
V1.06.07	1. Upgrade the mydlink agent 2.1.0-b29
V1.07.04	1. Upgrade the mydlink agent 2.1.0-b62 2. Support CSRF protection.
V1.07.05	N/A
V1.07.09	Upgrade the mydlink agent 2.2.0-b39

Enhancements:

Firmware Version	Problems Fixed
V1.00.45	N/A
V1.01.05	N/A
V1.02.03	<ol style="list-style-type: none"> 1. ONVIF support (Profile S V14.06) 2. Support Device Pack update function 3. Add Recycle setting for keeping x days video 4. Support D-Link Discovery Protocol (DDP) 5. Ability to turn on/off camera motion detection and adjust sensitivity and percentage through DNR-312L local & remote GUI 6. Support 720P TV/Monitor 7. Support snapshot in playback 8. Remove SSL 3.0 9. Support Cameras: DCS-930LB1 / DCS-932LB1 / DCS-942LB1 / DCS-3714 / DCS-5615 / DCS-6004L / DCS-6005L / DCS-6112B1 / DCS-6113B1 / DCS-6115 / DCS-6314 / DCS-6315 / DCS-7000L / DCS-7110B1 / DCS-7413B1 / DCS-2210L / DCS-2230L
V1.03.02	<ol style="list-style-type: none"> 1. Support Cameras: DCS-935L / DCS-1201 / DCS-4201 / DCS-4602EV / DCS-4701E / DCS-5029L / DCS-6212L. 2. Fixed the security bugs CTTI-VUZ-103-36001 3. Fixed the security bugs CTTI-VUZ-103-36002 4. Fixed the security bugs CTTI-VU-103-36010 5. Fixed the security bugs CTTI-VUZ-103-36008
V1.04.03	N/A
V1.05.06	<ol style="list-style-type: none"> 1. Support IE Multi profile function on IE. 2. Support PIR/ Sound Detection Event.

	<ol style="list-style-type: none"> 3. Support Cameras : DCS-934L / DCS-960L /DCS-2630 /DCS-4602EV / DCS-4802E/ DSC- 5009L 4. Support Two-way audio function on IE. 5. Fixed the security bugs CTTI-VUZ-103-36007 6. Fixed the security bugs OnSec-VU-104-25001 7. Fixed the security bugs OnSec-VUZ-104-25002 8. Fixed the security bugs OnSec-VUZ-104-25003 9. Fixed the security bugs OnSec-VUZ-104-25004 10. Fixed the security bugs OnSec-VUZ-104-25005 11. Fixed the security bugs OnSec-VUZ-104-25014 12. Fixed the security bugs OnSec-VUZ-104-25015 13. Fixed the security bugs OnSec-VUZ-104-25007 14. Fixed the security bugs OnSec-VUZ-104-25008 15. Fixed the security bugs OnSec-VUZ-104-25013
V1.06.07	<ol style="list-style-type: none"> 1. A warning message will pop up to ask the user to reset the camera resolution, when the camera resolution is not supported and the channel displays a black image. 2. Resolve view window issues on DCS-6517 and specific models 3. Implement LANDAP v1.51 (for use with mobile app & setup wizard in LANDAP v1.51) 4. Update NTP Version to 4.2.8p8. 5. Update rules of correction time when synchronizing with NTP servers. 6. Support the OpenSSL 1.0.2H. 7. Support Cameras: DCS-936L / DCS-2530L/ DCS-4603/ DCS-4622/ DCS-4701E/DCS-4703E/ DCS-5000L/ DCS-5030L/ DCS-6045L/ DCS-6511B / DCS-6517/ DCS-6915B/ DCS-7513B / DCS-7517. 8. Add the manual mode to get RTSP streaming for endurance test. 9. Support UID Function. 10. New passwords must be set after initializing the NVR on the web GUI or via the HDMI.
V1.07.04	<ol style="list-style-type: none"> 1. Don't allow user to change sub stream to higher video resolution than VGA 2. Don't support 2K IP camera 3. Change SNMP OID 4. Fixed security issues <ol style="list-style-type: none"> A. Playback manager security issue from III B. Remove TLS V1.0 support from III C. Support SHA-2 D. Upgrade open SSL V1.0.2j 5. DCS-5030L workaround for 2nd stream 6. Support LANDAP V1.54 7. Re-define "Optimize"- Main profile: 720P/30FPS/2MB ; Sub profile: VGA/15FPS/512KB and pop up a message ahead 8. Support device pack 1.11.02 9. Video quality enhancement for HDMI output
V1.07.05	<ol style="list-style-type: none"> 1. Support D-Link Anti-Brute-Force Attack Mechanism_v04. 2. Support LANDAP V1.54. 3. Support Cameras : DCS-2670L / DCS-6517 B1 / DCS-7517 B1/ DCS-P603 / DCS-P703. 4. Modify the FAN behavior.
V1.07.09	<p>Support Cameras : DCS-6517B / DCS-7517B / DCS-6511B / DCS-4602EVB / DCS-4605EV / DCS-4633EV / DCS-4701EB</p>

V1.07.10	<ol style="list-style-type: none"> 1. Update the digital signature. 2. Update the agent version to V V2.2.0-b39n
----------	--

Problems Fixed:

Software Version	Problems Fixed
V1.00.45	N/A
V1.01.05	<ol style="list-style-type: none"> 1. Fixed DLAB DBG14040657 : After DUT optimized cameras, DCS-7110 video settings wouldn't be changed. 2. Fixed DLAB DBG14030330: DCS-942L microphone volume would be changed to 0 when DUT optimized cameras. 3. Fixed DLAB DBG14030329: DCS-5222L microphone volume would be changed to 0 when DUT optimized cameras. 4. Fixed DLAB DBG14050174: No warning message when set an incorrect password of the dlinkdns. 5. Fixed DLAB DBG14050252: Some converted video clips would be in flip mode unexpectedly. 6. Fixed DLAB DBG14050165: DUT couldn't format a WD Enterprise 2 TB HDD. 7. Fixed DLAB DBG14050222: E-map might be abnormal after some steps. 8. Fixed DLAB DBG14050184: A single IP couldn't be setup to the allowed list. 9. Fixed DLAB DBG14050185: A single IP couldn't be setup to the blocked list. 10. Fixed DLAB DBG14050221: No test file would be uploaded to a SMB server after click the "Test" icon in Auto Backup settings page. 11. Fixed DLAB DBG14030316: DUT couldn't be inserted a record by other cameras event/motion as help instruction. Fixed DLAB DBG14030358: Playback and backup information is incomplete in the Help page. 12. Fixed DLAB DBG14030359: Remote login DUT on a Mac by Safari would show error rather than camera live video.
V1.02.03	<ol style="list-style-type: none"> 1. Fixed DLAB DBG14040657: After DUT optimized cameras, DCS-7110 video settings wouldn't be changed. 2. Fixed DLAB DBG14080392: A non-admin account couldn't browse the Playback page. 3. Fixed DLAB DBG14080396: Display and Language page would be disappeared after log-in by a non-admin account.
V1.03.02	<ol style="list-style-type: none"> 1. Fixed Keep Day(s) Video function. 2. Fixed Camera verification wrong message.
V1.04.03	<ol style="list-style-type: none"> 1. Fixed Digital signature invalid
V1.05.06	<ol style="list-style-type: none"> 1. Fixed D-track : HQ20151001000016: The motion detection settings are not properly synchronized from and to between DNR-312L and DCS-6004L 2. Fixed D-track: HQ20151117000015: Camera 5ften disconnects.

<p>V1.06.07</p>	<ol style="list-style-type: none"> 1. Fixed the D-Lab ID: DBG16070134--Some cameras couldn't be playback (DCS-7413B1, DCS-7513, DCS-6513, DCS-6004L). 2. On Firefox in relay mode, the lading page connection was unsuccessful. 3. E-mail did not be sent to users when NVR met connection loss. 4. Wrong HDD information on live page 5. On Firefox in live page, the system info section was incorrect when there was no camera in the camera list. 6. On Firefox and Safari in relay mode, the portal was unable to use. 7. The video streams became black when DCS-6517 was configured to 1600x1200 or higher on main profile. 8. Fixed D-track HQ20160510000006: Unable to see live video from 5222L A & B version on mydlink website. 9. Fixed the security bugs: mydlink discovery could be initiated without authentication in DNR-312L. 10. Fixed the security bugs: mydlink credential disclosure by DNR-312L device. 11. Fixed the security bugs: Sensitive information leak during DNR-312L device configuration. 12. Fixed the security bugs: Backdoor in DNR-312L. 13. Fixed the security bugs: Information leakage issues. 14. Fixed the security bugs: Admin password disclosure and change without authentication. 15. Fixed the security bugs: Hardcoded non-unique RSA private keys were used in HTTPS. 16. Fixed the security bugs: Buffer overflow in LANDAP authentication handler. 17. The 31st day on the playback calendar was unable to be highlighted when there were recorded clips. 18. Fixed the D-track HQ20160713000004: User account unable to select channel to export video. 19. The NVR freezes while it is searching cameras. 20. After the setup wizard on the NVR web GUI is completed, it does not return to the Live View window. 21. Fixed the D-track HQ20160602000006: Playback does not work if I select the Time from the Time Range Selection using Firefox.
<p>V1.07.04</p>	<ol style="list-style-type: none"> 1. Fixed API bug for mydlink view NVR APP 2. Fixed camera preview issue 3. Fixed "camera name should not allow to input Enter character" bug 4. Fixed DCS-6511B & DCS-7513B HW version issue 5. Fixed fan error issue

	<ul style="list-style-type: none"> 6. Fixed audio noise issue for DCS-7513B/6511B 7. Fixed mydlink registration issue in setup wizard
V1.07.05	<ul style="list-style-type: none"> 1. Fixed security issues <ul style="list-style-type: none"> A. Remove TLS V1.0 support from III B. Support SHA-2 C. Upgrade OpenSSL V1.0.2j D. Upgrade JQuery library to V1.12.4 2. Fixed E-mail format error issue. 3. Fixed fan error issue. 4. Fixed "Password not allow to input special character" bug, follow Dlink IP camera text definition v1.2. 5. Fixed use ONVIF can't discovery NVR issue. 6. Fixed use /common/info.cgi can't received NVR HW version issue. 7. Fixed "not need input password can get video stream issue", when use Justconnect+ iOS APP. 8. Fixed can't correct get DCS-4703E icon issue. 9. Fixed "camera name should not allow to input Enter character" bug. 10. Video quality enhancement for HDMI output. 11. Fixed Win10 and IE11 may have no video problem, when switch Live View mode. 12. Fixed DNR Series Credential Disclosure issue.
V1.07.09	<ul style="list-style-type: none"> 1. Fixed DCS-6511B 2 way audio Talk issue. 2. Fixed use ONVIF can't get NVR IP address. 3. Fixed fan error issue. 4. Fixed use ONVIF with DCS-7517B cannot preview the camera. 5. Fixed the time setup of wizard. 6. Fixed snmp OID issue. 7. Fixed the bonjour issue.

Known Issues:

Firmware Version	Known Issues
V1.00.45	N/A
V1.01.05	N/A
V1.02.03	<ul style="list-style-type: none"> 1. Video Clip can't export on browser of the MAC O.S. 2. Root cause: MAC O.S. don't have Microsoft AVI library, so it can't export AVI in MAC O.S.

V1.03.02	<ol style="list-style-type: none"> 1. Video Clip can't export on browser of the MAC O.S. 2. Root cause: MAC O.S. don't have Microsoft AVI library, so it can't export AVI in MAC O.S.
V1.04.03	<ol style="list-style-type: none"> 1. Video Clip can't export on browser of the MAC O.S. 2. Root cause: MAC O.S. don't have Microsoft AVI library, so it can't export AVI in MAC O.S.
V1.05.06	<ol style="list-style-type: none"> 1. Video Clip can't export on browser of the MAC O.S. 2. Root cause: MAC O.S. don't have Microsoft AVI library, so it can't export AVI in MAC O.S.
V1.06.07	<ol style="list-style-type: none"> 1. Video Clip can't export on browser of the MAC O.S. 2. Root cause: MAC O.S. don't have Microsoft AVI library, so it can't export AVI in MAC O.S. 3. The NVR does not support the motion setting of DCS-2530L, DCS-4622, and DCS-4603.
V1.07.04	<ol style="list-style-type: none"> 1. Video Clip can't export on browser of the MAC O.S. 2. Root cause: MAC O.S. don't have Microsoft AVI library, so it can't export AVI in MAC O.S. 3. The NVR does not support the motion setting of DCS-2530L, DCS-4622, and DCS-4603.
V1.07.05	<ol style="list-style-type: none"> 1. Don't enable the motion detection settings of DCS-4603 / DCS-4622 / DCS-4703E / DCS-2530L / DCS-2670L that should have mapping area issues. 2. DCS-5030L workaround for 2nd stream (only recording main video stream with H.264 codec or MJPEG), Because 1920x720P can only be displayed on 1CH & 4CH, the NVR cannot display the steam and show "optimize", if the user switches to other video layout. 3. Use Seagate ST12000NE0007 & Seagate ST12000VN0007 Hard Disk to building RAID-0, when format the Hard Disk that would pop up error message, but Hard Disk can do format successful and work correctly. 4. The network setting of the DHCP lease time field will pop up wrong message, when input special characters.

Related Documentation:

N/A

Note:

Known Issue – Video export issue of DNR-312L NVR

Model: DNR-312L

HW Ver.: A1

FW Ver.: V1.00.45

Issue Description:

Video clips will be flip when user export recorded video from browser and DNR-312L NVR.



Root cause:

This issue is only happened in browser and DNR-312L NVR when user export recorded video. Local UI

of DNR-312L NVR and Playback manager application will not to happen this problem.

The root cause is DNR-312L NVR needs to Support OSD (On Screen Display) characters on the video clip, but some of video clips will be flip if user's PC memory has problem during swap video clip from memory to hard disk.

To avoid this problem happen, suggest users to use Local UI of DNR-312L NVR or Playback manager application to do video exxport when user's PC cause this issue.

Improvement:

Alert users this issue to be a known issue with FW V1.00.45. Vendor will improvement memory swap mechanism in the next FW version to avoid this issue happen again.