



Software Version: V1.03.01

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Revision History:

Software Version	Date	Model	Hardware Version
V1.00	V1.00.20 2016/06/18	DNR-2020-04P	A1
V1.01	V1.01.05 2017/02/07	DNR-2020-04P	A1
V1.02	V1.02.06 2018/05/25	DNR-2020-04P	A1
V1.03.01	2020/9/18	DNR-2020-04P	A1

System Requirement (minimum HW requirement)

System Minimum Requirements	
Hardware Requirements	Two 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, 10, 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 1GB RAM Internet Explorer 8, Firefox 12, Safari 4 or higher. Existing 10/100/1000 Ethernet-based network

New Features:

Software Version	New Features
V1.00	N/A
V1.01	V1.01.05 N/A
V1.02	V1.02.06 N/A
V1.03.01	N/A

Enhancements:

Firmware Version	Problems Fixed
V1.00	1. Support HDD Raid function.
	2. Support PoE, DI/DO setting. 3. Support DI/DO in setup page 4. Support event action for Digital Output 5. Support DCS-6517/ DCS-7517/ DCS-5000L/ DCS-5030L/ DCS-2530L/DCS-6045
V1.01	1. Support Cameras : DCS-936L / DCS-4603/ DCS-4622/ DCS-4701E/DCS-4703E/ DCS-6511B / DCS-6915B/ DCS-7513B. 2. Re-define "OPTIMIZE" functionality. "The NVR will apply the following settings to all of your connected cameras: Main Profile: 1280 x 720 resolution/30FPS/2 Mb Sub Profile: 640 x 480 resolution/15FPS/512 Kb" 3. Remove HDD installation steps and add a warning message on local setup wizard . 4. The NVR supports LANDAP v1.53. 5. The NVR can be searched and found by using LANDAP v1.53 only. 6. Support Web SHA-2. 7. Update OID.
V1.02	1. Support D-Link Anti-Brute-Force Attack Mechanism_v04. 2. Support CSRF protection. 3. Support LANDAP V1.54. 4. 4. Support Cameras : DCS-2670L / DCS-6517 B1 / DCS-7517 B1/ DCS-P603 /DCS-P703 5. Modify the FAN behavior. 6. HW version change to A1 from A 7. DCS-4602EVB/DCS-4605EV/DCS—4633EV/DCS-4701EB
V1.03.1	1. Update the new digital signature.

Problems Fixed:

Software Version	Problems Fixed
V1.00	<ol style="list-style-type: none"> 1. Fix Smart Search function cannot work problem. 2. Fix Playback display problem. 3. Fix overwrite issue with HDD in Raid-0 mode. 4. Fix Smart Search cannot work problem. 5. Fix crash issue when user executing album function. 6. Fix HDD isn't formatted to pop up a warning message. 7. Fix album cannot work problem. 8. Fix Web album cannot work problem. 9. Fix Backup function cannot work problem. 10. Fix crash issue when user executing Smart Search. 11. Fix display issue in PoE Status. 12. Fix overwrite issue with HDD in Raid-0 mode. 13. Fix smart fan function cannot work problem. 14. Fix HDD format fails issue. 15. Fix backup function fail issue. 16. Fix DI/DO setting bug which configuration result is different between locally access and remote access by browser. 17. Fix power consumption display issue in PoE Status page. 18. Update popup message for video export function. 19. Fix bug which preview wrong camera in smart search. 20. Update information display in HDD status. 21. Fix bug which it only allows to select maximum 10 video channels. 22. Fix bug which video is less than 1minute when Backup video to USB. 23. Fixed bug which live display turns to black in manual recording mode. Fix user password rule and popup message. 24. Fix bug which backup path can not be saved. 25. Fix video export problem. 26. Fixed DLAB Bug DBG16050197: Test with verification tool version: 1.1.0.0 the video files exported from DNR-2020-04P cannot pass the water mark test 27. Fix the bug that affects .avi recording export to USB 3.0.

<p>V1.01</p>	<p>V1.01.05</p> <ol style="list-style-type: none"> Fixed the D-Track ID-- HQ20161124000005: getting verification error Add camera anyways when adding the DCS-2530L to DNR-202L. Fixed the D-Track ID--HQ20161027000015: problem with Video settings. Fixed the D-Track ID --HQ20161027000013: problem with adding cameras. Fixed the D-Track ID -- HQ20160720000003: Substream is not full picture. Fixed Due to the security issue, TLS1.0 is no longer supported. As a result, the NVR does not support IE7 and older version. Open SSL is updated to v1.0.2j . Fixed the security bugs-- OnSec-VUZ-105-22001: Portable SDK forUPnP Devices (libupnp) < 1.6.18 Multiple Stack-based Buffer Overflows. Fixed the security bugs-- OnSec-VUZ-105-22002: HTTP Service Crash Caused By Malformed HTTP Packets. Fixed the security bugs-- OnSec-VUZ-105-22003: Certificate signing algorithm. Fixed the security bugs--OnSec-VUZ-105-22004: Options Method is Enabled. Fixed the security bugs--OnSec-VU-105-22007: OpenSSL CCS Injection. Fixed the security bugs--OnSec-VU-105-22009: Browser Exploit Against SSL/TLS Attack (BEAST).
<p>V1.02</p>	<ol style="list-style-type: none"> Fixed security issues <ul style="list-style-type: none"> 甲、 Remove TLS V1.0 support from III 乙、 Support SHA-2 丙、 Upgrade OpenSSL V1.0.2j 丁、 Upgrade JQuery library to V1.12.4 Fixed E-mail format error issue. Fixed fan error issue. Fixed "Password not allow to input special character" bug, follow Dlink IP camera text definition v1.2. Fixed use ONVIF can't discovery NVR issue. Fixed use /common/info.cgi can't received NVR HW version issue. Fixed "not need input password can get video stream issue", when use Justocnnect+ iOS APP. Fixed can't correct get DCS-4703E icon issue. Fixed "camera name should not allow to input Enter character" bug. Video quality enhancement for HDMI output. Fixed Win10 and IE11 may have no video problem, when switch LiveView mode. Fixed DNR Series Credential Disclosure issue.

	<p>13. Use D-Link search mode to add DCS-7517B camera successful, NVR can see this video on Live View, but camera search of the preview window wouldn't have video screen.</p> <p>14. Modify the FAN behavior.</p> <p>15. Get the wrong IP address of NVR device information with ONVIF tool.</p> <p>16. The local audio output have noise by use DCS-6511_B two-way audio talk.</p>
V1.03.01	<p>1. Fix Bug for "manual setting time can't set time after 2020 year"</p> <p>2. Fixed Onvif connect to DCS-4705E, live view and recording file sometime show gray</p> <p>3. Removes predefined D-Link DDNS service option, allows users to choose their own preferred Dynamic DNS service</p> <p>4. Don't enable the motion detection settings of DCS-4603 / DCS-4622 / DCS-4703E / DCS-2530L / DCS-2670L, that should have mapping area issues.-->Cameras can be setting motion area by camera.</p>

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Known Issues:

Firmware Version	Known Issues
V1.00	N/A
V1.01	<p>1. The motion setting of DCS-4603/DCS-4622/DCS-4703E is not supported. →This issue been fix on V1.03.01.Motion setting can be set on V1.03.01.</p> <p>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.</p>
V1.02	<p>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.--> Motion setting can be set on V1.03.01.This issue been fix on V1.03.01</p> <p>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.--> This is the camera limitation, for DCS-5030L, we only support use camera profile 1 in NVR single live view and multiple live view.</p> <p>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.- →This is a NVR limitation, the NVR only support HDD maximum</p>

	capacity is 16TB.
V1.03.01	

Related Documentation:

N/A

Note :

N/A