



Firmware Version: V1.20
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Revision History and System Requirement:

Firmware Version	Date	Model	Hardware Version
V1.00	2009/Jun./11	DNS-726-4	A1
V1.01	2009/Oct./07	DNS-726-4	A1
V1.10	2010/Apr./07	DNS-726-4	A1
V1.20	2010/Dec./25	DNS-726-4	A1

Upgrading Instructions:

Upgrading by using Web-UI

New Features:

Fireware Version	New Features
V1.00	First release
V1.01	1. Support new IP cameras: DCS-1130, DCS-1100, DCS-6410, and DCS-7510. 2. Support new flash memory on main hardware board.
V1.10	New Features 1. Increase channel numbers from 4 to 8. 2. Support H.264 compression format. 3. Support "Manual record", user can manually start/stop record. 4. Support "E-map", user can upload a picture with camera locations for eMap. 5. Auto backup the video of the previous day to FTP server. 6. Support both English and Simplified Chinese interface. 7. Show "hphwebservice.oray.net" DDNS Server when GUI changes to Simplified Chinese. New Camera Supported 1. D-Link: DCS-3411, DCS-3430, DCS-3710, DSC-5230, DSC-7410, DCS-5605 and DCS-5635. 2. support new 3rd party cameras: ACTi, Arecont, Cisco, IQinVision, Mobotix (See details in supported camera list-other document) 3. D-Link: N-series cameras (shown in Simplified Chinese mode only)

V1.20	New Features Enhance live view / playback function Increase channel numbers from 8 to 9. - Supports up to 128 channels live display on multiple monitors with bundled software – “D-ViewCam NVR”. - Supports multiple views (duplicate channels for the same camera). Combined with digital PTZ, users are allowed to enlarge different spots and view them in different channels without failing to record the whole view. - Supports auto scan function. Enhance PTZ function - Supports Patrol function. - Supports Focus function. - Supports Joystick operation. Supports Digital Watermark to prevent recorded video files/snapshots from being tampered. The video files/snapshots can be verified by installed software tool.. New language support - French - German - Italian - Spanish Compatible with 3rd Party CMS - Add a new action: send a notification to CMS. New Camera Supported D-Link: DCS1100L, DCS-1130L, DCS-5230L, DCS-6510, DCS-6511, DCS-930, DCS-930L, DVS-210-1, DVS-310-1. Other brands: see appendix.

Problems Fixed:

Firmware Version	Problems Fixed
V1.00	First release
V1.01	- Extend UPnP search time to fix some camera model couldn't found by UPnP. - If camera doesn't support PTZ, then PTZ function icons will not show. - Fix camera connect problem when the RTSP port changed. - User need to manually configure to DHCP Server mode instead of switching to DHCP Server mode automatically while device unable to get IP in DHCP Client mode. - Show warning message when user configure an invalid subnet in DHCP Server mode. - Modify some wrong wordings and contents of help file.

	7. Fix the web UI lock issue when user builds the RAID. 8. Fix MAC display error on some cameras.
V1.10	System Improvement 1. UPnP enhancement – mark the existing inserted cameras in search result. 2. Able to copy schedule to other channels / days. 3. Support time stamp on snapshot and video, both .avi and .asf files. 4. Unify the windows title from “intelligent search” to “smart search”.
V1.20	Bug Fixed 1. Correct model name when automatically detecting DCS-910/920. 2. Correct model name when UPnP searching DCS-5220A2/B1. 3. Fix the bug that DCS-3415 is forced to disconnect under the situation that no password configured and connecting through HTTP protocol with MPEG4 codec. 4. Fix DCS-3710 connection issue with MPEG4 codec. 5. Resize the word and reorganize the interface to prevent the display of last digit of IP address on camera list/UPnP search from being cut off. 6. Fixed HDD detect incorrectly issue. 7. Changes: If the password of admin is changed, it will popup login window when launching Live Video page. System Improvement 1. [OS] Compatible with Windows 7 32bit 2. [OS] Non-admin OS user can access to web and install ActiveX without problems 3. [System] Optimize the login status checking mechanism, in this way, liveview user won't be logged out over night 4. [Camera Search] Integrate D-Link LANDAP for accurate and fast camera search 5. [Configuration Test] Add send test mail and test ftp 6. [Playback] Show camera name on open record dialog 7. [Export Video] Optimize the mechanism of saving AVI and ASF

Known Issues:

Firmware Version	Known Issues
V1.00	Known Issue no.028 1. IE6 would encounter a problem to close. 2. Web UI locked during RAID building. 3. Unable to get IP from DHCP router sometimes. 4. The devices that searched by UPNP are too less or different every time. 5. Model name auto-detection fail.
V1.01	None

V1.10	1. Not support XP/Vista 64bit and windows 7 OS. 2. [Camera: DCS-3710] (can't fix without new camera FW) (1) When setting quality to Excellent (8M), the audio will lag, not sync with video. (2) Disable audio in camera parameter page, but still can hear after enabling audio in live view. (3) Preset point name can't be set up more than one "%"; the camera shows one "%" only.
V1.20	1. DVS-210-1 and DCS-3710 have audio problem in HTTP protocol, which cameras send double data streams causing audio stretch. The impact is not only in audio, but in video export, which is likely failed when saving as ASF. The current workaround on DVS-210-1 is changing default protocol from HTTP to UDP. 2. Image is likely broken when connecting DVS-310-1, DCS-6510 and DCS-6511 through UDP protocol with MPEG4 codec. It doesn't always happen, but easily reproduce as switching codec. The current workaround on these three cameras is configuring default protocol as HTTP. 3. There is minor UI display error in German due to long strings. 4. DCS-930 motion trigger event is not supported until new camera firmware version v1.02 is released. 5. DCS-7110 is not fully supported until new firmware version v1.01 is released.

Related Documentation:
