

# Firmware History for CamDisc HNVR

(Serial number: NVxxxxxx)

## Firmware V2.08

2012-04-20

(Support of all functions only with CamControl LITE 4.09/CamControl PRO 4.09 or higher)

- Integration of several IP cameras from the following manufacturers (see IP camera compatibility list):
  - Brickcom, Elbex, IDS, IndigoVision, Panasonic, Riva, Samsung, Sony, UDP, Vista Eclipse<sup>2</sup>
- Integration of several IP cameras via H.264 :
  - Brickcom, Dynacolor, Elbex, Grundig, IndigoVision, Panasonic, Sony, Vista, Vivotek
  - Note:** Please note additional information for using H.264 cameras in the technical product information und planning aid for HeiTel VideoGateways
- Dynamic PTZ control with IP cameras
  - Variable (vario) PTZ control speed of the following IP camera manufacturers added:
    - Brickcom, Dynacolor, Elbex, Grundig, IndigoVision, Messoa, Samsung, Sanyo, Sony, UDP and Vista
- Internal video motion detection (analogue cameras only) improved
- Added camera internal video motion detection from the following IP cameras: Elbex, Riva and Sony
- New USB driver for Windows 7. 32 and 64 bit for use with **CamDisc HNVR** (from serial number: NV206xxx)
- New Web Server (V1.32)
- Various bug fixes:
  - Error with access to the serial interface (Transparent data/control interface) corrected
  - Incorrect behaviour for the erroneous log file entry „Power Off“ corrected, if no HDD is detected or no HDD is in use
  - Internal motion detection (analogue cameras only) optimised
  - Software PTZ protocols for FVCCTV, LMW-OWL corrected

**Firmware V2.02****2011-10-13**

(Support of all functions only with CamControl LITE 4.06/CamControl PRO 4.06 or higher)

- Extended PTZ control via mouse cursor and joystick
  - PTZ with manual speed control for IP cameras from Sanyo, Sony, Messoa, Vista, Dynacolor and Grundig
- Motion detection from Axis, Dynacolor and Grundig IP cameras integrated
- New Web Server (V1.29)
- New Web API (V1.8)
- Various bug fixes:
  - PTZ control with Philips/Bosch software remote adapter corrected
  - Users without passwords do not get password expire messages any longer
  - Display problems with Axis 4 channel video server corrected
  - Default settings for HD power down function modified: The hard drive now can be set to standby mode via "V out" and "Aux 2"

**Firmware V1.98****2011-06-14**

(Support of all functions only with CamControl LITE 4.05/CamControl PRO 4.05 or higher)

- Integration of several IP cameras from the following manufacturers (see IP camera compatibility list):  
Arecont, Axis, Brickcom, Grundig, Hikvision, Honeywell, Pelco, Samsung, UDP technology, Visicom, Vivotek
- Integrated Motion detection from the UDP IP camera model IPE1100M
- Sensormatic V2.00 protocol added to software PTZ remote adapter
- New log file entry "Video signal ok on input x" added
- Log file entry "Track xx deleted" is renamed as "Track xx initialized"
- Alarm panel protocol corrected (IK07 "HAS\_VIDEO")
- PTZ control for Dynacolor and Grundig IP cameras optimised
- New Web Server 1.27

### **Firmware V1.96**

**2011-05-02**

(Support of all functions only with CamControl LITE 4.01/CamControl PRO 4.01 or higher)

- Various error corrections
  - HDD formatting adjustments
  - Undefined disarmed/armed status corrected
  - BBV, Santec and Fastrax protocol adjustments in the software remote adapter
- New Web Server (V1.26)
- New Web API (V1.7):
  - Support of live and recorded audio playback
- New option to change the handling of PTZ, audio and relay control to ensure better operation with 3rd party monitoring software
- Support of voltage-monitored control inputs with **CIO Adapter**
- Enhanced Video Motion Detection:
  - Renaming of sensitivity levels to Low, Middle, and High
  - Short term suppression (History) of global image changes (e.g. light changes)
  - Brightness compensation with a definable suppression time of 0.5 to 5.0 seconds

**Note:** A lower sensitivity or higher suppression times can reduce false alarms but can also unintentionally mask real alarms.
- Support of Soyal access control systems

### **Firmware V1.94**

**2010-12-07**

(Support of all functions only with CamControl LITE 3.98/CamControl PRO 3.98 or higher)

- Problem fixed with call up of preset positions when using **CI Adapter** and Sensormatic domes
- New Web Server (V1.25)
- New Web API (V1.6)
  - Arming/Disarming function of transmitters added
  - System status armed/disarmed via the Web Server and Web API corrected
- Error corrections:
  - Summer/winter clock change corrected
  - Various PTZ protocol corrections (Pelco, Samsung, Dennard, Honeywell, Baxall)
  - Control inputs linked with motion functionality corrected with analogue cameras
- Integration of several IP cameras of the following manufacturers (see IP camera compatibility list):  
Canon, Dynacolor, Hitron, NoVus, Samsung, SANTEC, Sanyo, Vista

## Firmware V1.92

2010-06-30

(Support of all functions only with CamControl LITE 3.92/CamControl PRO 3.92 or higher)

- New Web Server (V1.24):
  - Adjustments for **CamControl MV** implemented
- Correction of NTP function (network time protocol)
- Configuration of tamper input possible (NC or NO)
- Audio live transmission and audio recording optimised (mandatory **CamControl LITE/CamControl PRO** version 3.92 or higher)
- Support of IP cameras optimised:
  - IP address (or symbolic address) of IP cameras, can now be extended with a port address
  - Maximum resolution of 2560 x 1800 pixels for integrated IP cameras
  - Optimisation of recording and transmission
  - Improved support for Sanyo model VCC HD4000 P
  - Alternative video format MJPEG (streaming mode) for integrated IP cameras from the following vendors: Axis, Basler, Dynacolor and IQeye
  - Integration of IP camera; Samsung SNB-5000, using the video format MJPEG
  - Optimisation of PTZ control for Messoa NDZ860H2
- POS filter adjusted for Cyrillic characters (Russian)
- Extension and corrections to a couple of PTZ protocols
- Honeywell PTZ protocol implemented
- Camera position authentication for analogue cameras revised and optimised:
  - Evaluation and recording of up to two reference images per camera channel (e.g. day and night)
  - A combination of device firmware V1.92 or higher and **CamControl LITE/CamControl PRO** software V3.92 is mandatory for parameterisation of the optimised camera position authentication
- Improved E-Mail function: No alarm image will be sent in the case of technical alarms (defective hard disk, reboot or video loss)
- USB direct connection improved
- If applicable the error message "HARDDISK ERROR" could be merge into live images of IP cameras
- Optimisations for the usage of **HYBRID Card 4** implemented:
  - Discrete logfile entry at DSP error on **HYBRID Card 4**
  - Improved analogue digital conversion of analogue camera signals

## Firmware V1.90

2010-02-03

(Support of all functions only with CamControl LITE 3.90/CamControl PRO 3.90 or higher)

- Integration of Sanyo IP cameras
- Extension of software PTZ remote adapters
- User password expiration option corrected

**Firmware V1.88** **2009-12-01**

(Support of all functions only with CamControl LITE 3.88/CamControl PRO 3.88 or higher)

- User password expiration option
- Call-up of preset positions for IP cameras using the **CI Adapter**
- Time synchronisation via NTP server
- Integration of Bosch PTZ IP cameras
- Software PTZ remote adapter for the support of various analogue remote and PTZ systems implemented:  
Baxall, Elbex, Fastrax, FVCCTV, JVC, LiLin, LMW, Panasonic, Pelco D, Sanyo, Sony, VCL, Vista as well as various generic protocols

**Firmware V1.86** **2009-10-14**

(Support of all functions only with CamControl LITE 3.87/CamControl PRO 3.87 or higher)

- Improvement of the live and archives image quality when using NTSC cameras
- Improvement of the image quality of NTSC cameras with the email feature
- Recording speed optimised
- Standby mode removable hard disk drive: Controlled, timed shut down of the hard disk is now possible for general power down and hard disk changes by using the **V out** button on the device front panel and/or the **Aux in2** input on the rear of the device.
- Correction of the Smartsearch function with activated Motion Detection
- New Web Server V1.21: The port the Web Server uses can now be configured to suit the customer/site requirements
- Error while the loading of the configuration profile fixed

**Firmware V1.84** **2009-09-15**

(Support of all functions only with CamControl LITE 3.86/CamControl PRO 3.86 or higher)

- Device setup with activated DHCP corrected
- Allocation of one Gateway address for both network interfaces aligned

**Firmware V1.82** **2009-09-01**

(Support of all functions only with CamControl LITE 3.86/CamControl PRO 3.86 or higher)

- Support of up to two **HYBRID Cards 4** for the connection of up to 8 analogue cameras
- Display of date and time, camera and transmitter name in the IP video image possible (only in conditional refresh mode)
- Integration of several IP cameras of the following manufacturers (compare IP camera compatibility list):
  - ACTi (with firmware 3.11 or newer), Arecont, Basler, Hunt, IQeye, JVC, Messoa, Panasonic, Samsung Electronics, Sony, Visicom
- Support of PTZ functionality and maximum 16 preset positions for IP cameras
- Optimised configuration of the gateway address of the 100 MBit and 1 GBit interface

**Firmware V1.80****2009-07-03**

(Support of all functions only with CamControl LITE 3.85/CamControl PRO 3.85 or higher)

- Web Server update to V1.19 (inclusive Web API V1.5)
  - Performance improvements
  - Representation of live images and archive evaluation implemented for **CamControl MV**
- Simultaneous audio transmission and recording

**Firmware V1.77****2009-03-26**

(Support of all functions only with CamControl LITE 3.83/CamControl PRO 3.83 or higher)

- Initial Release