



CMS Version 3.4.0 Release Note

Dec.29, 2008

New Functions

1. "EzRecord" and "Clear All" functions are added to "Schedule Record" setting page.
2. A progress bar will be displayed while CMS is connected to any site. The progress bar will disappear when connection is established.
3. Option to disable joystick control
4. Supports converting DRV files with A-law, Mu-law, or MS-Adpcm audios to AVI files
5. Supports CMS Motion Detection
6. Supports NH series camera Motion Detection
7. Supports Missing Object Playback
8. Supports NW series cameras – NW050, NW060 and NW101. (Video, Audio, Recording and Configuration)
9. CMS Player supports DVR raw data playback and converting raw data into AVI files.

System Improvements

1. The capacity of "Device Search" is improved.
2. Decodes more MJPEG and H.264 frames per second

Behavior Changes

1. "Help information" will not pop up while users press "F1" key.
2. System shows "not available" at "HDD Status" if HDDs do not support temperature information.
3. Information of downloading codec for AVI video playback is moved to "Converting Window".

Bug Fixes

1. Showing all recorded files on Playback List is slow.
2. CMS cannot show HDD temperature if HDDs are in DS200.
3. CMS Player cannot show all playback frames.
4. Date information in system log is not correct.
5. CMS may crash if auto connection is enabled and username / password information of proxy server are not available.



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Performance

Test 1: CMS + 16pcs NH MP Cameras

(MJPEG, RTP over RTSP) (Picture Size: 70KB) (SW: d20081226NS)

Network	10/100Mb	10/100/1000Mb
Live	70Mbps \approx 130HDfps	80Mbps \approx 145HDfps
Record	80Mbps \approx 145HDfps	90Mbps \approx 160HDfps

Test 2: CMS + 16pcs NW MP Cameras

(H.264, HTTP) (Picture Size: 20KB) (SW: 0156-0032-0356)

Network	10/100Mb	10/100/1000Mb
Live	33Mbps \approx 210HDfps	33Mbps \approx 210HDfps
Record	33Mbps \approx 215HDfps	33Mbps \approx 215HDfps

(Recommended Hardware Spec.: INTEL Core 2 Quad CPU Q6600@2.4GHz, RAM: 2GB)

FPS is variable. Actual fps depends on picture size and how many pictures cannot be received by CMS because of data transfer over network.