Netra V3.1.1 Multi-Lingual Firmware Release Notes

General Information

Firmware Version: V3.1.1 build140314
Embedded VS Player Version: V6.0.0.4
Web Component Version: V3.0.5.4build140116
SDK Version: V4.2.7.6 build20131231
iVMS-4200 Version: v2.00.07.02 build20140113

Supported DVR/HDVR Model

Series	Model	Type
9200HWI-ST	DS-9204/08/16HWI-ST	Network DVR
9100HFI-ST	DS-9104/08/16HFI-ST	Network DVR
9100HWI-ST	DS-9104/08/16HWI-ST	Network DVR
9100HFI-RT	DS-9104/08/16HFI-RT	Network DVR
9100HFI-XT	DS-9116HFI-XT	Network DVR
9000HFI-ST	DS-9004/08/16HFI-ST	Network HDVR
9000HWI-ST	DS-9004/08/16HWI-ST	Network HDVR
9000HFI-RT	DS-9004/08/16HFI-RT	Network HDVR
9000HFI-XT	DS-9016HFI-XT	Network HDVR
8100HFI-ST	DS-8104/08/16HFI-ST	Network DVR
8100HWI-ST	DS-8104/08/16HWI-ST	Network DVR
8000HFI-ST	DS-8004/08/16HFI-ST	Network HDVR
8000HWI-ST	DS-8004/08/16HWI-ST	Network HDVR
7200HWI-SV	DS-7208/16HWI-SV	Network DVR

Supported NVR Model

Series	Model	Type
9500NI-ST	DS-9508NI-ST	Network Video

	DS-9516NI-ST	Recorder
	DS-9532NI-ST	
	DS-9564NI-ST	
9500NI-RT	DS-9508NI-RT	Network Video Recorder
	DS-9516NI-RT	
	DS-9532NI-RT	
	DS-9564NI-RT	
8500NI-ST	DS-8508NI-ST	Network Video Recorder
	DS-8516NI-ST	
	DS-8532NI-ST	
	DS-8564NI-ST	
9600NI-ST	DS-9608NI-ST	Network Video Recorder
	DS-9616NI-ST	
	DS-9632NI-ST	
	DS-9664NI-ST	
9600NI-RT	DS-9608NI-RT	Network Video Recorder
	DS-9616NI-RT	
	DS-9632NI-RT	
	DS-9664NI-RT	
9600NI-XT	DS-9616NI-XT	Network Video Recorder
	DS-9632NI-XT	
	DS-9664NI-XT	
8600NI-ST	DS-8608NI-ST	Network Video Recorder
	DS-8616NI-ST	
	DS-8632NI-ST	
	DS-8664NI-ST	
7700NI-ST	DS-7708NI-ST	Network Video Recorder
	DS-7716NI-ST	
	DS-7732NI-ST	
	DS-7764NI-ST	
7700NI-SP	DS-7708NI-SP	Network Video Recorder
	DS-7716NI-SP	
	DS-7732NI-SP	
7600NI-ST	DS-7608NI-ST	Network Video Recorder
	DS-7616NI-ST	
	DS-7632NI-ST	
7600NI-SP	DS-7608NI-SP	Network Video Recorder
	DS-7616NI-SP	
	DS-7632NI-SP	

Firmware Updates

Live View
1. Support adjust the camera order in live view interface by clicking-and-dragging the live view window.

2. Support adjust the volume of live viewed camera.

3. Support up to 25/32/36 split screen during live view (only when VGA and HDMI are set as synchronous output).

4. Support manually capture during live view.

5. Support display the real-time live view resolution, frame rate and bitrates of the added IP channel during live view.

6. Add a PTZ configuration link in the PTZ control panel.

7. Support remote live view and remote playback in transcoded stream (DVR and HDVR do not support this function).

Playback and Capture

1. Support auto-switch of the main playback channel.

2. Support simultaneous playback for consecutive days.

3. Support lock and unlock the record file during the playback.

4. Support adjust the volume of the selected playback channel.

5. Support display the record type in the calendar.

6. Support thumbnail display during playback when clicking the mouse on the process bar.

7. Support manually capture during playback and export the snapshots.

8. Support multi-channel playback on the web.

Storage

1. Optimize and fasten the HDD initialization.

2. Support disk clone to the eSATA disk.

3. Optimize the eSATA connection, no need to reboot the DVR after switching between different eSATA's usage (Export, Record/Capture).

4. Add a log type showing system running status.

5. Utilize the soft raid technology, now surveillance HDD are supported in building Raid (Only for the DS-9600NI-XT).

IPC Management

1. Modify the incoming and outgoing bandwidth of NVR/HDVR(The following Outgoing bandwidth will be increased by 40Mbps if high-speed download mode is enabled.):
   Type A. All of the following Netra models are of 200Mbps incoming and 160Mbps outgoing bandwidth: 64-ch NVR, 32-ch NVR, 16-ch HDVR(when all analog channels are disabled).
   Type B. All of the following Netra models are of 100Mbps incoming and 240Mbps outgoing bandwidth: 16-ch NVR, 8-ch HDVR(when all analog channels are disabled), 16-ch HDVR(when analog channel is enabled)
   Type C. All of the following Netra models are of 50Mbps incoming and 240Mbps outgoing bandwidth: 8-ch NVR, 4-ch HDVR(when all analog channels are disabled), 8-ch HDVR(when analog channel is enabled)
   Type D. All of the following Netra models are of 25Mbps incoming and 240Mbps outgoing bandwidth: 4-ch HDVR(when analog channel is enabled)

2. Support configure the transfer protocol of connected IPC: auto, TCP, and UDP are

included.

3. Optimize NVR's motion detection function of ONVIF protocol, now third-party IPC which does not support configure the motion detection region can also realize the ONVIF motion detection.
4. Support get the audio encoding format of ONVIF connected IPC.
5. Optimize the function of one-key to add all the IPC.
6. Compatible to the smart IPC: VCA alarm and recording, searching and playing back by VCA events, smart playback by VCA rules, and backup by VCA events are supported.
7. Support configure the IPC connection mode as manual or plug and play on the web.
8. Support the virtual host function.
9. Optimize mechanism of enabling IPC's motion dynamic analysis: Now only when IPC is added to NVR will NVR automatically enable IPC's motion dynamic analysis, NVR's rebooting won't cause automatically enable this option.

Other

1. New languages are added to the firmware, including Traditional Chinese, Korean, Thai, Vietnamese, Estonian, Croatian, Slovenia language, Serbian.
2. Fix a bug that may cause Configuring UPnP on the web browser fails to apply.
3. Optimize the layout of soft keyboard.
4. Optimize the quick export function.
5. Support configure the PTZ's patrol on the web.
6. Support push alarm notification to the iVMS-4500 mobile client.
7. Other updates.

Tested-compatible IPC List

Model	Version	Max. Resolution	Sub Stream	Audio
DS-2CD883F-E	V5.1.0 build 131202	2560×1920	√	√
DS-2CD783F-E(I) DS-2CD783F-E(I)(Z)	V5.1.0 build 131202	2560×1920	√	√
DS-2CD8283F-E(I)	V5.1.0 build 131202	2560×1920	√	√
DS-2CD886BF-E	V4.0.3 build 120913	2560×1920	√	√
DS-2CD886MF-E	V4.0.3 build 120913	2560×1920	√	√
DS-2CD854F-E	V5.1.0 build 131202	2048×1536	√	√
DS-2CD754F-E(I) DS-2CD754FWD-EIZ	V5.1.0 build 131202	2048×1536	√	√
DS-2CD8254F-E(I)	V5.1.0 build 131202	2048×1536	√	√
DS-2CD7254F-EZH	V5.1.0 build 131202	2048×1536	√	√

DS-2CD8254FWD-EIZ	V5.1.0 build 131202	1920×1080	√	√
DS-2CD754FWD-E(I)	V5.1.0 build 131202	1920×1080	√	√
DS-2CD7254FWD-EIZH	V5.1.0 build 131202	1920×1080	√	√
DS-2CD7253F-EZH DS-2CD753F-E(I)	V5.1.0 build 131202	1600×1200	√	√
DS-2CD853F-E	V5.1.0 build 131202	1600×1200	√	√
DS-2CD8153F-E DS-2CD8253F-E(I)	V5.1.0 build 131202	1600×1200	√	√
DS-2CD7153-E	V5.1.0 build 131202	1600×1200	√	×
DS-2CD876BF-E	V4.0.3 build 120913	1600×1200	√	√
DS-2CD876MF-E	V4.0.3 build 120913	1600×1200	√	√
DS-2CD877BF	V4.0.3 build 120913	1920×1080	√	√
DS-2CD855F-E	V5.1.0 build 131202	1920×1080	√	√
DS-2CD8255F-EIZ	V5.1.0 build 131202	1920×1080	√	√
DS-2CD752MF-E DS-2CD852MF-E DS-2CD852F-E	V2.0 build 110614 V2.0 build 110426 V2.0 build 100521	1600×1200	√	√
DS-2CD862MF-E	V2.0 build 110614 V2.0 build 110426 V2.0 build 100521	1280×960	√	√
DS-2CD8464F-EI	V5.1.0 build 131202	1280×960	√	√
DS-2CD863PF/NF-E	V5.1.0 build 131202	1280×960	√	√
DS-2CD763PF/NF-E	V5.1.0 build 131202	1280×960	√	√
DS-2CD763PF/NF-EI	V5.1.0 build 131202	1280×960	√	√
DS-2CD7263PF/NF-EZH	V5.1.0 build 131202	1280×960	√	√
DS-2CD7164-E	V5.1.0 build 131202	1280×720	√	×
DS-2CD864FWD-E	V5.1.0 build 131202	1280×720	√	√
DS-2CD764FWD-E(I)	V5.1.0 build 131202	1280×720	√	√
DS-2CD8264FWD-E(I)	V5.1.0 build 131202	1280×720	√	√
DS-2CD8264FWD-EZ	V5.1.0 build 131202	1280×720	√	√
DS-2CD2012-I	V5.1.0 build 131202	1280×960	√	×
DS-2CD2112-I	V5.1.0 build 131202	1280×960	√	×
DS-2CD2212-I	V5.1.0 build 131202	1280×960	√	×
DS-2CD2312-I	V5.1.0 build 131202	1280×960	√	×
DS-2CD2612-I	V5.1.0 build 131202	1280×960	√	×
DS-2CD2712-I	V5.1.0 build 131202	1280×960	√	×
DS-2CD2412-I	V5.1.0 build 131202	1280×960	√	√
DS-2CD2512-I	V5.1.0 build 131202	1280×960	√	√
DS-2CD2612-IS	V5.1.0 build 131202	1280×960	√	√
DS-2CD2712-IS	V5.1.0 build 131202	1280×960	√	√
DS-2CD2010-I	V5.1.0 build 131202	1280×960	√	√

DS-2CD2110-I	V5.1.0 build 131202	1280×960	√	√
DS-2CD2210-I	V5.1.0 build 131202	1280×960	√	√
DS-2CD2310-I	V5.1.0 build 131202	1280×960	√	√
DS-2CD2410-I	V5.1.0 build 131202	1280×720	√	√
DS-2CD2810F	V5.1.0 build 131202	1280×960	√	√
DS-2CD2032-I	V5.1.0 build 131202	2048×1536	√	×
DS-2CD2132-I	V5.1.0 build 131202	2048×1536	√	×
DS-2CD2232-I	V5.1.0 build 131202	2048×1536	√	×
DS-2CD2332-I	V5.1.0 build 131202	2048×1536	√	×
DS-2CD2632-I	V5.1.0 build 131202	2048×1536	√	×
DS-2CD2732-I	V5.1.0 build 131202	2048×1536	√	×
DS-2CD2432-I	V5.1.0 build 131202	2048×1536	√	√
DS-2CD2532-I	V5.1.0 build 131202	2048×1536	√	√
DS-2CD2632-IS	V5.1.0 build 131202	2048×1536	√	√
DS-2CD2732-IS	V5.1.0 build 131202	2048×1536	√	√
DS-2CD4012F DS-2CD4212F-IS(2.8-12mm) DS-2CD4112F-I(2.8-12mm) DS-2CD4312F-IS	V5.1.0 build 131202	1280×960	√	√
DS-2CD4212F-I(2.8-12mm)	V5.1.0 build 131202	1280×960	√	×
DS-2CD6213F	V5.1.0 build 131202	1280×960	√	×
DS-2CD6223F	V5.1.0 build 131202	1920×1080	√	×
DS-2CD4024F DS-2CD4124F-I(2.8-12mm) DS-2CD4224F-IS DS-2CD4324F-IS	V5.1.0 build 131202	1920×1080	√	√
DS-2CD4224F-I	V5.1.0 build 131202	1920×1080	√	×
DS-2CD4026FWD	V5.1.0 build 131202	1920×1080	√	√
DS-2CD6026FHWD	V5.1.0 build 131202	1920×1080	√	√
DS-2CD4032FWD DS-2CD4132FWD-I(2.8-12mm) DS-2CD4232FWD-IS(2.8-12mm) DS-2CD4332FWD-IS	V5.1.0 build 131202	2048×1536	√	√
DS-2CD4232FWD-I(2.8-12mm)	V5.1.0 build 131202	2048×1536	√	×
DS-2CD4032FHWD DS-2CD4132FHWD-I DS-2CD4332FHWD-IS	V5.1.0 build 131202	2048×1536	√	√
DS-2CD4332FHWD-I	V5.1.0 build 131202	2048×1536	√	×
DS-2CD4012FWD DS-2CD4112FWD-I DS-2CD4212FWD-IS	V5.1.0 build 131202	2048×1536	√	√

DS-2CD4312FWD-IS				
DS-2CD4026FWD-SDI	V5.1.0 build 131202	2048×1536	√	√
DS-2CD4212FWD-I	V5.1.0 build 131202	2048×1536	√	×
DS-2CD6412FWD	V5.1.0 build 131202	2048×1536	√	√
DS-2CD6233F	V5.1.0 build 131202	2048×1536	√	×
DS-2CD6233F-SDI	V5.1.0 build 131202	2048×1536	√	×
DS-2CD7133F-E	V5.1.0 build 131202	640×480	√	×
DS-2CD733F-E(I) DS-2CD7233F-EZH	V5.1.0 build 131202	640×480	√	√
DS-2CD8133F-E DS-2CD8233F-EI DS-2CD8233F-E DS-2CD833F-E DS-2CD8433F-EI	V5.1.0 build 131202	640×480	√	√
DS-2CD802NF DS-2CD812PF DS-2CD832F DS-2CD892PF/NF	V2.0 build 090522 V2.0 build 090715 V2.0 build 110301	704×576	√	√
DS-2CD893PF(WD)-E	V5.1.0 build 131202	704×576	√	√
DS-2CD793PF(WD)-E(I)	V5.1.0 build 131202	704×576	√	√
DS-2CD893NF(WD)-E	V5.1.0 build 131202	704×576	√	√
DS-2CD793NF(WD)-E(I)	V5.1.0 build 131202	704×576	√	√
DS-2CD9121	V3.4.2 build 130718	1600×1200	×	×
iDS-2CD9121	V3.4.2 build 130718	1600×1200	×	×
DS-2CD9121A	V3.5.0 build130906	1600×1200	×	×
iDS-2CD9121A	V3.5.0 build130906	1600×1200	×	×
DS-2CD9122	V3.5.0 build131012	1920×1080	×	×
DS-2CD9122-H	V3.5.0 build131018	1920×1080	×	×
DS-2CD9131	V3.5.0 build130906	2048×1536	×	×
iDS-2CD9131	V3.5.0 build130906	2048×1536	×	×
DS-2CD9111(B)	V3.5.0 build130906	1360×1024	×	×
DS-2CD9151A iDS-2CD9151A	V3.5.0 build130906	2448×2048	×	×
DS-2CD9182	V3.3.1 build 130321	3296×2472	×	×
DS-2CD9152 iDS-2CD9152	V3.5.0 build131012	2560×1920	×	×
DS-2CD9152-H	V3.5.0 build130814	2592×2048	×	×
iDS-2CD9152-H	V3.5.0 build130814	2592×2048	×	×
iDS-2CD9282	V3.5.0 build130810	3296*2472	×	×
DS-2CD9131-K	V3.5.1 build130905	2048*1536	×	×
DS-2CD9152-HK	V3.5.1 build130905	2592*2048	×	×
DS-2CD966 (B) DS-2CD966-V(B)	V3.1.0 build120423	1360×1024	×	×

DS-2CD976(B) DS-2CD976-V(B)	V3.1.0 build120423	1600×1200	×	×
DS-2CD976(C) DS-2CD976-V(C)	V3.1.0 build120423	1600×1200	×	×
DS-2CD977(B) DS-2CD977(C)	V3.1.0 build 120423	1920×1080	×	×
DS-2CD986A(B) DS-2CD986A(C)	V3.1.0 build120423	2448×2048	×	×
DS-2CD986C(B)	V2.3.6 build 120401	2560×1920	×	×
DS-2DF7274-A/D/AF	V5.1.4 build 131219	1280×960	√	√
DS-2DM7274-A	V5.1.4 build 131219	1280×960	√	√
DS-2DF5274-A/D/A3/D3/AF/A3F	V5.1.4 build 131219	1280×960	√	√
DS-2DM5274-A/A3	V5.1.4 build 131219	1280×960	√	√
DS-2DF7284-A/D/AF DS-2DF7286-A/D/AF	V5.1.4 build 131219	1920×1080	√	√
DS-2DF5284-A/D/A3/D3/AF/A3F DS-2DF5286-A/D/A3/D3/AF/A3F	V5.1.4 build 131219	1920×1080	√	√
DS-2DE5172-A/A3 DS-2DE5174-A/AE/AE3/A3/D/D3 DS-2DE5176-A/AE	V5.1.0 build 131203	1280×960	√	√
DS-2DE7172-A DS-2DE7174-A/AE/D DS-2DE7176-A/AE	V5.1.0 build 131203	1280×960	√	√
DS-2DE5182-A/A3 DS-2DE5184-A/AE/AE3/A3/D/D3 DS-2DE5186-A/AE	V5.1.0 build 131203	1920×1080	√	√
DS-2DE7182-A DS-2DE7184-A/AE/D DS-2DE7186-A/AE	V5.1.0 build 131203	1920×1080	√	√
DS-2DF1-5702 DS-2DF1-572	V4.1.6 build 130422	1280×720	√	√
DS-2DM1-5702 DS-2DM1-572 DS-2DM1-5732	V4.1.6 build 130422	1280×720	√	√
DS-2DF1-772 DS-2DM1-772	V4.1.6 build 130422	1280×720	√	√
DS-2DF1-77A DS-2DF1-570A DS-2DF1-573A DS-2DF1-57A	V4.1.6 build 130422	1280×720	√	√
DS-2DF1-5734D DS-2DF1-574D	V4.1.6 build 130422	1280×960	√	√
DS-2DM1-574D	V4.1.6 build 130422	1280×960	√	√

DS-2DM1-5734D				
DS-2DF1-774D	V4.1.6 build 130422	1280×960	√	√
DS-2DM1-774D	V4.1.6 build 130422	1280×960	√	√
DS-2DF1-584D	V4.1.6 build 130422	1920×1080	√	√
DS-2DF1-784D	V4.1.6 build 130422	1920×1080	√	√
DS-2DF1-518	V3.1.6 build20130322	704×576	√	√
DS-2DM1-718	V3.1.6 build20130322	704×576	√	√
DS-2DM1-518	V3.1.6 build20130322	704×576	√	√
DS-2DF1-718	V3.1.6 build20130322	704×576	√	√
DS-2DF1-514	V3.1.6 build20130322	704×576	√	√
DS-2DF1-714	V3.1.6 build20130322	704×576	√	√
DS-2DF1-402	V3.1.6 build20130322	704×576	√	√
DS-2DF1-402N	V3.1.6 build20130322	704×576	√	√
DS-2ZCN2006 DS-2ZCN3006	V5.0.2 build130926	1280×960	√	√
DS-2ZMN2006 DS-2ZMN3006	V5.0.2 build130926	1280×960	√	√
DS-2ZCN2007 DS-2ZCN3007	V5.0.2 build130926	1920×1080	√	√
DS-2ZMN2007 DS-2ZMN3007 DS-2ZMN0407	V5.0.2 build130926	1920×1080	√	√
DS-6501HFI DS-6502HFI DS-6504HFI	V1.0.1 build130607	704×576	√	√
DS-6501HFI-SATA DS-6502HFI-SATA DS-6504HFI-SATA	V1.0.1 build130607	704×576	√	√
DS-6508HFI DS-6516HFI	V1.0.1 build130607	704×576	√	√
DS-6508HFI-SATA DS-6516HFI-SATA	V1.0.1 build130607	704×576	√	√
DS-6501HCI DS-6502HCI DS-6504HCI	V1.0.1 build130607	704×576	√	√

DS-6501HCI-SATA DS-6502HCI-SATA DS-6504HCI-SATA	V1.0.1 build130607	704×576	√	√
DS-6508HCI DS-6508HCI-SATA	V1.0.1 build130607	704×576	√	√
DS-6516HCI DS-6516HCI-SATA	V1.0.1 build130607	704×576	√	√
DS-6601HCI DS-6602HCI DS-6604HCI	V1.2.1 build131202	704×576	√	√
DS-6601HFI DS-6602HFI DS-6604HFI	V1.2.1 build131202	704×576	√	√