



## **SD Advanced/Excel Release History**

### **Current Issue Level:**

Release Note Version	Date	Reason For Update
6.6(26.0059)	24/11/15	First release of 26.x branch for SD Advanced CIP only
6.6(22.0267)	2/10/15	Maintenance release for SD Advance CIP only
6.6(22.0267)	8/5/15	BETA release
6.6(22.0252)	14/4/15	Maintenance release
6.6(22.0212)	19/2/15	Maintenance release
6.6(22.0212)	19/1/15	Maintenance release
6.6(22.0212)	9/12/14	Maintenance release
6.6(22.0193)	6/10/14	Maintenance release
6.6(22.0138)	17/7/14	Maintenance release
6.6(22.0138)	17/6/14	Release of 22 branch software
6.6(18.0316)	24/1/14	Maintenance release
6.6(18.0316)	22/10/13	Maintenance release
6.6(18.0296.01)	10/9/13	Maintenance release
6.6(18.0296)	12/8/13	Maintenance release
6.6(18.0296)	6/8/13	Maintenance release
6.6(18.0246)	20/3/13	Maintenance release
6.6(18.0239)	5/3/13	This is an ECN release incorporating the latest Beta releases made available to the field and which have not caused any new issues to be reported.
6.6(18.0173)	13/11/12	Improvements and bug fixes. Webpages 7762.1 and 7764.1 to fix the Archive page.
6.6(18.0173)	24/10/12	Improvements and bug fixes
6.6(18.0141)	25/9/12	First full release of 18 branch
6.6(12.0257)	26/7/12	To fix keyboard bleep
6.6(8.0053)	01/12/10	Release
6.6(12.0164)	30/08/11	Full Release
6.6(12.0227)	17/11/11	Maintenance release



NB: The firmware upgrades available are specific to the exact model that the installation is required for.  
Included Models:

DM/SDAV08MIN	DM/SDAV08MIN/A	
DM/SDAV16MIN	DM/SDAV16MIN/A	
DM/SDAV16MAX	DM/SDAV16MAX/A	
DM/SDAV32MIN	DM/SDAV32MIN/A	
DM/SDAV32MAX	DM/SDAV32MAX/A	
DM/SDEX16MAX	DM/SDEX16MAX/A	
DM/SDACP08MIN	DM/SDACP08MIN/A	
DM/SDACP08/3T	DM/SDACP08/3TA	
DM/SDACP16/12T	DM/SDACP16/12TA	
DM/SDACP16/3T	DM/SDACP16/3TA	
DM/SDACP16MAX	DM/SDACP16MAX/A	
DM/SDACP16MIN	DM/SDACP16MIN/A	
DM/SDACP32/12T	DM/SDACP32/12TA	
DM/SDACP32/3T	DM/SDACP32/3TA	
DM/SDACP32/6T	DM/SDACP32/6TA	
DM/SDACP32MAX	DM/SDACP32MAX/A	
DM/SDACP32MIN	DM/SDEXC16MAX	DM/SDEXC16MAX/A

To confirm that your SD Advanced has the architecture required to support this software upgrade simply go to the System-Attributes menu and select the 'red' software button.

This will provide the complete current software version.

The "Software Revision" should only be one of the versions in the release history table.

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## Release History:

Release	Date	ECN	Summary of Functional Improvements
6.6(26.0059)	24/11/15	10010	Introduction of new feature to prevent unauthenticated remote user access to Telnet, FTP and Configurations Menus outside of the local subnet. User Accounts must be created for those services to be available when using in remote user access scenarios. For example, accessing from the Internet.
6.6(22.0267)	2/10/15	9932	<b>SD Advanced CIP ONLY:-</b> Update to support POE requirements of new SmartVu 2 camera range
6.6(22.0267)	8/5/15	9706 9707	BETA release to resolve an issue with text in image where the process can use excessive unit resource if the text starts with non printable ASCII characters.
6.6(22.0252)	14/4/15	9672 9673	In rare occasions it has been noted that some units may go into a restart cycle on bootup. This release overcomes the issue.
6.6(22.0212)	19/2/15	9631 9632 9628 9629	The PC Apps have been changed so that old jav files are over written when the apps are upgraded. No other changes
6.6(22.0212)	19/1/15	9601 9604	To resolve an issue where 1080HD cameras were not being correctly shown with the existing version of NetVu Observer Updated version of the embedded viewer installed when archiving and the down-loadable NetVu Observer installation available from the unit giving many improvements to functionality and bug fixes
6.6(22.0212)	9/12/14	9577 9578 9579 9580	Bug fixes and many improvements to functionality.

6.6(22.0193)	6/10/14	9519 9524 9525 9527	Improvements to CD/DVD archiving times for LiteOn DS-8ABSH drives. Support added for large capacity external USB hard drives (GPT formatted) to be seen by Windows 7/8. Added full duplex support for external USB keyboard. Requires ECN9487. Improvements to remote keyboard script sendevent.c Added range checking for FFMULT (1-64) Support added for new black remote control (SA-RC08). Requires ECN9503. Fixed camera upgrade page to upgrade all cameras when using the local browser. Fixed various native viewer bugs.
6.6(22.0138)	17/7/14	9459 9460 9461 9462	Improved playback of Help videos on the local monitor. Improved detection for untrusted video frames when using the CIPTV switch in Secure mode.
6.6(22.0138)	17/6/14	9434 9435 9436 9437	First release of 22.x software
6.6(18.0316)	24/1/14	9316 9317 9319 9320	Remote codec default connection changed from tcp to udp
6.6(18.0316)	22/10/13	9243 9244 9245 9246	Fixes various issues when carrying out large archives to DVD



6.6(18.0296.01)	10/9/13	9193 9194 9195 9196	Maintenance release  To overcome startup issues when MLC type uSD cards are fitted for use as /mdd0 device
6.6(18.0296)	12/8/13	9170 9171 9172 9173	Maintenance release  Framestore regressed to 18.278 to correct white level inversion under extreme conditions
6.6(18.0296)	6/8/13	9161 9162 9168 9169	Maintenance release  <b>This ECN</b>  Fix to prevent mouse lockup when external USB HDD connected Fix to allow local archives of single Par file length Fix of issue where selective archives would not work on SDAV unit Fix of issue preventing CamVu cameras being allocated on the SDAV as simple stream Enhancement to allow customer help videos to display full screen on local (T.J Morris).  Improved memory performance with IP camera use, particularly if local sequenced employed. Improved PC compatible USB keyboard support Improved platform stability in aggressive camera fail scenarios Improved platform stability with multiple console play requests Improved RTSP support for Sunell cameras Improved HP & Dell Touch screen monitor support Addition of support for Wren camera password authentication Addition of user configurable email port for smtp services.
6.6(18..0246)	20/3/13	9023 9024 9025 9026	Maintenance release.  This is an ECN release of Application s/w to stop issues with invalid tlist entries.



6.6(18.0239)	5/3/13	9006 9007 9008 9009	<p>The specific fixes are:-</p> <ol style="list-style-type: none"><li>1. Issues causing repeated 131 restarts related to poor video input feeds.</li><li>2. Intermittent problems with KVM switches.</li><li>3. Issues preventing operation of the buzzer.</li></ol>
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6.6(18.0173)	13/11/12	8893	<ul style="list-style-type: none"><li>• Improvements and bug fixes.</li><li>• Webpages 7762.1 and 7764.1 to fix the Archive page.</li></ul> <p><b><u>New Features</u></b></p> <ul style="list-style-type: none"><li>• ANPR process ANPR results in powerscript if there is a license (internal or external) on the system otherwise generate a VMD alarm.</li><li>• Analytics: Added option to flip an image vertically to the analytics debug stream</li><li>• ANPR: send ANPR source images along with candidates &amp; plate patches</li><li>• AUTHENTICATION (Branch18): Support authentication with camera ranges above 64:<ul style="list-style-type: none"><li>• Now accepts/returns raw range string in CGIs to set up camera ranges (e.g. "1-5,700-900").</li></ul></li><li>• Modbus: Added basic modbus alarm functions &amp; system variables. Adds MODBUS relays as named devices so they can be driven from script using nr_drive()</li></ul> <p><b><u>Note : 7764 web pages released for version 1 non-CIP variant to resolve a Remote Viewer issue. The applet is unchanged so can use the 7762 version.</u></b></p>
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6.6(18.0173)	24/10/12	8875	<p><b>New Features</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> ANPR process ANPR results in powerscript if there is a license (internal or external) on the system otherwise generate a VMD alarm.</li> <li><input type="checkbox"/> Analytics: Added option to flip an image vertically to the analytics debug stream</li> <li><input type="checkbox"/> ANPR: send ANPR source images along with candidates &amp; plate patches</li> <li><input type="checkbox"/> AUTHENTICATION (Branch18): Support authentication with camera ranges above 64:</li> <li><input type="checkbox"/> Now accepts/returns raw range string in CGIs to set up camera ranges (e.g. "1-5,700-900").</li> <li><input type="checkbox"/> Modbus: Added basic modbus alarm functions &amp; system variables. Adds MODBUS relays as named devices so they can be driven from script using nr_drive()</li> </ul> <p><b>Note :</b> 7764 web pages released for version 1 non-CIP variant to resolve a Remote Viewer issue. The applet is unchanged so can use the 7762 version.</p> <p><b>Fixed since last ECN</b></p> <p><a href="#">11828</a> Unable to control some cameras on DS2 from SDAV</p> <p><a href="#">12362</a> RTSP Failing to display images from UTC 3<sup>rd</sup> party cameras</p> <p><a href="#">12394</a> Support for remote codec audio for non associated audio platform</p> <p><a href="#">12600</a> SSH login causes server to reset</p> <p><a href="#">12306</a> Instances of 130 restart immediately following manual reset</p> <p><b>Limitations</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Testing carried out covered the standard functions commonly used only.</li> <li><input type="checkbox"/> Minimal testing of Non CIP operation and web version 1 web pages.</li> <li><input type="checkbox"/> Only basic NTSC operational testing carried out.</li> </ul> <p>When upgrading the pre-loader s/w from 12 to 18 branch using the field upgrade procedure it has occasionally not updated correctly. In this case it may be necessary to load the file (after unzipping) manually to nvd0\bin using a suitable FTP application (eg filezilla). If unsure contact your local Technical Support</p>
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6.6(18.0141)	25/9/12	8852	<p><b>First full release of 18 branch software</b></p> <p>Upgrade from 12-&gt;18line SW may cause some CIP camera record quality labels to read as user defined.  Upgrade may cause some oversize text issues to be seen.  This does not impact the functionality of the machine and will be resolved in a future update.</p> <p>Added support for receiving RTP over RTSP (aka lossless RTSP streams)  Added snmp_cgi so that CPU loadings &amp; heap usage can be checked from a browser  Added /idd drive descriptor.  Added optional reset timeout to allow the user to allow the restart or cancel it  Added camera address aliasing.  Added prefix_camera_number system variable  Added spot telemetry control to browser bypass mode  Added cached lookup of CIP camera database for live, replay and telemetry in proxy mode.  Added proxy mode telemetry support with STX/ETX encapsulated packets  Added support for Wren 3rd party IP cameras  Added UTC offset to 3rd party <a href="#">NetVu</a> incompatible cameras  Added restart 203 diagnostics to all cameras and servers  Added support for viewing QXGA images  Added sysvars for control of ethernet rate limiting  Added system variables to allow the webpages to detect if a camera is a remote codec  Added initialisation for using the UPD72010 USB controller chip  Added the 3X3 Mexican Hat filter.  Added fui_font_verdana.c</p>
6.6(12.0257)	26/7/12	8771	<p>This version of software fixes reported bugs that the front panel bleeps or LEDs flash randomly, attention light flashes red green.</p> <ul style="list-style-type: none"> <li>• This behavior is benign but can be annoying if bleeping.</li> <li>• The software is suitable to replace the application 6.6(12.0227) M3U and 6.6(12.239A) M3U used on SD Advanced and SD Excel Non Closed IP units.</li> </ul> <p>The software has been a beta with USB support for 12 months - then with the Kb fix for the last 4 months.</p>
6.6(12.0227)	17/11/11	8474	<p>Ghosting Effect on NTSC Using the new C6F35 – only seen on Composite – NTSC.</p>
6.6(12.0164)	30/08/11	8291	<p>New Features</p> <ul style="list-style-type: none"> <li>• H264 support on analogue and IP Cameras supported</li> <li>• Improved operation of text overlays on transparent background</li> <li>• Improved ARP conflict reports</li> <li>• Default multi-way resolutions to Low rather than Medium</li> <li>• Next to the camera title added a clear indication of what mode the camera is operating in in Camera Overview</li> <li>• Added Security Logs page which reads seclog.cgi. Added options for Start,End time and number of Records To Display.</li> <li>• Improved Firewall menu</li> <li>• Added Polish language option to webpages</li> <li>• Data Ingress and Egress rate limiting</li> <li>• UDP streaming reducing overhead error correction, achieves up to 55Mbps/s IP video stream data bandwidth compared with 32</li> </ul>

			<p>Mbits/s using the traditional TCP protocol.</p> <p><b>Issues Corrected</b></p> <ul style="list-style-type: none"> <li>• Set title visibility to hidden when turbo mode is enabled on Profile Record page.</li> <li>• Allow config page to be loaded even if it is the currently open page when accessing via the remote menus.</li> <li>• Improvement to remote monitor handling to prevent monitors going out of sync.</li> <li>• Added delay to setting of session language as the pages were refreshing before the language file had finished loading.</li> <li>• Added a function which removes any spaces when an IP Address is entered in the Camera Setup page.</li> <li>• Fixed text that was overlapping in the Attribute page.</li> <li>• Prevent Camera Overview page from jumping to cam 1 when selecting any of the Local Camera Setup.</li> <li>• Improved zone active handling (camera switching) in main viewer so that zones triggered by VMD do not run through both the zone and VMD switch functions</li> <li>• Prevent display of duplicate channel allocations after introduction of third party camera support.</li> <li>• Improved camera overview page when system is configured to use 3rd party cameras</li> <li>• Added message to live transmission page that if user has more than 16 cameras they should change High LAN setting to 1024</li> </ul>
6.6(8.0053)	16/09/10	7769	<p><b>Features</b></p> <p><b>General Features</b></p> <ul style="list-style-type: none"> <li>• Increased Powerscript functionality: QNC: Increased max number of Powerscript functions to 300. Added extra debug if installing a function fails.</li> <li>• Added 32 channel analytics for alarm zones: Allows powerscript to trigger as Video Alarms for input to zones of any system cameras</li> <li>• Improved Camera Fail handling for IP cameras: Increased IP stream read timeout to 10s log IP stream disconnects and report camfails 15s after a disconnect Retry write attempts every 1 sec Receiver times out after 4 secs</li> <li>• Improved mouse variant compatibility</li> <li>• Improved SMART Data reporting</li> <li>• Added extra remote viewer settings option (Remote [WAN]) which can be used to provide different format/resolution settings for LAN and WAN. New option will appear when app supports additional element in default_image_format sysvar. Selection drop down will appear on viewer defaults page.</li> </ul> <p>Significant number of improvements to software operation. Contact Technical Support for details</p>
6.6(6.0012)	01/12/10	7892	First Release



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## Known Issues

To playback recorded audio, version 1.18.51 of Observer is required. This version has the following bug:  
When entering an IP into the box the contents may be wiped out for the first 30 seconds of Observer running.

This will be rectified in a future version of Observer. This will be made available for download when available.