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Release Notes 01.08.00			Last Checked-In:	2010-Jan 27
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Service Pack Release Letter

1. Introduction

1.1 Disclaimer of Warranty

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1.2 Purpose

The purpose of the *Service Pack Release Letter* document is to communicate major new features and changes in this release of the Gen4 AutoDome product. It also documents component compatibility, workarounds, and any feature restrictions.

1.3 Scope

This document describes the Gen4 AutoDome Service Pack Release which includes the following components:

Component	Version
SCMain.G4i	**01.11.02.01**
SCBootApp.G4i	01.05.00.01
FPGA_SC.G4i	01.09.01.05
FPGA_VCA.G4i	1.13.01.05
VCA_app.g4i	01.10.00.02
VCA_boot.G4i	01.02.00.01
vip_x_app1.fw [IP WebServer]	4.00B43
Czech_Lang_01.01.00.02.G4i	01.01.00.02
Russian_Lang_01.01.00.02.G4i	01.01.00.02

Note: Bold indicates changed or new components.

If using WinZip, select the option to keep the folder names.

1.4 Definitions, Acronyms, and Abbreviations

CTFID	Configuration Tool for Imaging Devices

1.5 Overview

2. About This Service Pack Release

- This is a Production Release of the firmware components identified section 1.3.

3. Compatible Products

This product has been tested on the following platforms or with the following products:

- 100 Series AutoDome
- 200 Series AutoDome
- 300 Series AutoDome
- 500 Series AutoDome

Compatible products with AutoDome include the following:

- CTFID for Gen4 version 3.08.00.03
- IP Web Server version 4.00 B43

Compatible tools and utilities for IP Web Server 4.00 B43 include the following:

- Configuration Manager 01.95.0048.0
- Archive Player 3.01.0029.0
- MPEG ActiveX 4.40.01.07
- Microsoft Dot Net 2.0
- DirectX 9.0c
- Java 2 SE Runtime Environment 5.0 9

Compatible AutoDome camera modules include (PAL & NTSC): 18X color, 18X day/night, 26X day/night, 36X day/night, Unity Dome (fixed camera) color and day/night.

4. Hardware Changes

None.

5. Software Changes

This section identifies enhancements and defect resolutions provided in the current Service Pack for Series 100, 200, 300, 500i.

The following **ENHANCEMENT** has been resolved for this delivery.

Change Request	Description	Module
3119	The acceleration/deceleration has been optimized to prevent degradation of the cameras home position.	SC Main

The following **DEFECTS** have been resolved for this delivery.

Change Request	Description	Module

6. Feature Restrictions

6.1 Release SCMain 01.11.02.01

    a.   Some translations are missing.
    b.   The folder structure of the SP_1.08.00.01.zip file is critical and must be maintained. Note that the Czech and Russian custom language files are in their own folders.

6.2 Release IP WebServer 4.00 B43

    a.   Includes IVA 4.00 functionality

7. History

The following **ENHANCEMENTS** have been implemented in past Service Pack releases.

Change Request	Description	Service Pack
2995	SC Main – Change rev to 1.11.00.04	1.07
2948	SC Main – Gen4: Change rev to 1.11.00.03	1.07
2842	SC Main – Gen4: Accept Send Position Command from VCA	1.07
2836	SC Main – Create test code for tilt belt evaluation	1.07
2796	SC Main – Increase PanTiltTask Stack size	1.07
2779	SC Main – Alarm Handling changes: SC Component	1.07
2723	SC Main – Add access to Sector and Shot titles via CP menu	1.07
2656	SC Main – Allow RGain BGain adjustment for Sony Camera	1.07
2625	SC Main – Support PreSlow OFF mode for Sony Cameras	1.07
2499	IP FW – Allow changing the Sync setting for Series 100 AutoDomes from IP webpage	1.07
2091	SC Main – Allow Privacy Masking and virtual masking on Series 300/500 with Unity configuration	1.07
1983	SC Main – Reinstate Opcode 10 (versions TBD)	1.07
1679	IP FW – Enable the "Lease time" feature for the Gen4 IP	1.07
1260	SC Main – Add Global Aux cmd to Enable/Disable all Alarm rules	1.07
1237	SC Main – Inconsistent focus/iris action between menus for Exit option	1.07
2355	LL—Russian. Create Russian language G4i file for SP1.06	1.06
2353	LL—Czech. Create Czech language G4i file for SP1.06	1.06
2307	SC Main—IVA: SC to ignore alarms generated when IVA is being configured	1.06
2296	SC Main—Allow option for enabling/disabling proportional speed in Gen4	1.06
2256	SC Main—Disable alarm output 3 option in an alarm rule except when low pressure alarm input used	1.06
2245	SC Main—Update pressure dome string translations in source code	1.06
2148	LL—Czech. Czech Language: some translation and display issues	1.06
1894	IP. Add support for Gen4 pressurized housing changes	1.06
1838	SC Main—Add privacy mask option to disable at specified FOV	1.06
1729	SC Main—Pressure dome: Changes to SC	1.06
1559	SC Main—Camera does not restore shot scenes on power cycle/reset	1.06
2169	Add operation to UI object to get menu status	1.05
1901	Add last NightMode On or Auto to user settings so it is saved and restored on reset	1.05
1840	SC work for AutoTracking while autopanning	1.05
1705	Do not allow Shot NONE as a rule input or output	1.05
1689	Change splash screen copyright date	1.05
1619	Remove restore factory default with new version on start up	1.05
1564	New SC commands for Stabilization PIP control	1.05
1560	Create an event for fast address change in SC	1.05
1558	Add Czech to OSD	1.05
1557	Add CP Firmware Upload to SC Boot	1.05
1556	Add CP start up handshaking to SC Boot	1.05
1555	Add CP related BiCom objects to SC Main	1.05
1554	Add CP start up handshaking to SC Main	1.05
1206	Add support of AutoTracking while AutoPanning	1.05

Change Request	Description	Service Pack
124	Implement Smart Template Search for Stabilization	1.045
103	Correct usage of pragma DATA_section for ISRAM variables.	1.045
4	Provide PIP with Stabilization	1.045
1193	Provide a timeout feature when AutoTracker is stuck in a position	1.04
1177	Allow ROIs for Unity/500 systems	1.04
1170	Preset 94 not implemented in Gen4	1.04
1167	IP WebServer: AT Sensitivity setting is not saved offline	1.04
1058	Add requirement for all recordable (logged) SC and VCA events	1.04
889	Display "Time Since Life" in diag menu and provide access to version via On-46	1.04
505	IP Webserver doesn't recollect the configuration settings (Privacy masks, Standard Tour, Recordings	1.04
324	Alarm input & output shots information	1.04
1147	Add Custom Language support for Gen4 AutoDome	1.03
1128	Enable Russian language in IP Web Server UI	1.03
1113	Add VCA version information to downloaded event log	1.03
1100	SRS update to include Language Loader requirements	1.03
1096	Enable iVMD for Series 100 Cameras	1.03
1093	Add support for Gen4 custom language	1.03
1039	Add on/off flag to AutoTrack alarm output in rule setup	1.03
1033	Add Autotracker Sensitivity setting to the Advanced Settings	1.03
679	Web server virtual joystick makes it difficult to control the pan/tilt	1.03
347	Web server virtual joystick makes it difficult to control the pan/tilt	1.03
231	Remove time limit between EraseAll and actual code	1.03
228	Add Autotracker Sensitivity setting to the Advanced Settings	1.03
222	Web Server: Add on/off flag to AutoTrack alarm output in rule setup	1.03
201	IP Web Server: Add support for Gen4 custom language	1.03
200	Enable iVMD for Series 100 Cameras	1.03
191	IP Web Server - Add VCA version information to downloaded event log	1.03
180	Web server virtual joystick makes it difficult to control the pan/tilt	1.03
172	Add Custom Language support for Gen4 AutoDome	1.03
1088	Provide a timeout feature when Auto Tracker II is stuck in a position.	1.02
1077	Add CLI Commands for getting Subcomponent Versions.	1.02
1032	Add SC and VCA revisions as an event on start up.	1.02
1029	Remove time limit between EraseAll and actual code.	1.02
923	Add VCA DSP BIST Results to Host BIST Display & CT Log.	1.02
857	Commanded BIST retains and displays last known pass/fail status.	1.02
334	Add osd text when Auto Bauding.	1.02
204	Add Bilinx log on status to OSD.	1.02
1082	Add 2 second delay when moving joystick with AT = ON.	1.01
1048	Add Wide Dynamic Range On/Off to Web Server	1.01
1046	Add total amount of pan/tilt motor movement to diagnostics	1.01
1012	Remove Stabilization Cropping setting	1.01
1002	Add items to Diag Logs	1.01
958	Integrate Sony 36x camera module	1.01
936	Add Highest and Lowest Temps to Diagnostics Log	1.01

Change Request	Description	Service Pack
1071	Update VCA boot version number	1.00
1070	Reinstate Aux code 24	1.00
1069	Temp disable stabilization when entering PM setup instead of providing warning'	1.00
1057	Change default values for sharpness, night mode threshold, max gain	1.00
1035	Remove AutoTrack Aux commands as possible alarm outputs (documentation)	1.00
957	Integrate Sony 36x camera module	1.00
918	Add calibration step to improve PM accuracy	1.00

The following **DEFECTS** have been resolved in past Service Pack releases.

Change Request	Description	Service Pack
2987	SC Main – Alarm input 1 Bicom object is not returning the correct state	1.07
2843	SC Main – Reinstate minimum version checks	1.07
2797	SC Main – Sending the dome to a position while in route to another position causes position loss	1.07
2743	SC Main – Focus position returned by opcode and bicom object is incorrect	1.07
2720	VCA Main – AutoTrack Initial focal length may be incorrect for tracking to start.	1.07
2719	VCA Main – AutoTracker Incorrectly Computer Center of Motion	1.07
2466	IP FW – IP Web Server: Configuration download/upload ineffective	1.07
2453	VCA Main – Motion detection scene detects motion where none present	1.07
2402	SC Main – Inconsistent alarm rule shot title max lengths between OSD languages	1.07
2397	SC Main – IVA: Scene reached event not sent after Off 65	1.07
2391	IP FW – IVA does not activate sometimes at some scenes	1.07
2389	IP FW – IVA: False Alarms on Power Cycle	1.07
2388	IP FW – False Alarms when Scene on a Tour	1.07
2385	IP FW – IVA: Surveillance task dialog text translated to uninstalled language	1.07
2347	IP FW – IVA: IP does not send Alarms to SC always	1.07
2346	IP FW – IVA: Selecting the same scene changes the selection to OFF	1.07
2313	IP FW – IVA: Tamper detection enabled for Gen4 PTZ	1.07
1976	IP FW – IVA: Camera can be moved during VCA configuration setting	1.07
1966	IP FW – IVA: Gen4 MD scene can be simultaneously an MD and IVA scene (or MD scene not disabled)	1.07
1962	IP FW – IVA: Disassociating then reassociating a Gen4 MD scene to a VCA configuration disables IVA	1.07
1959	IP FW – IVA: IVA still producing motion alarms although camera is pointing away from IVA scene	1.07
1957	IP FW – IVA: IVA motion detection icon does not appear in streaming video at an IVA scene	1.07
1955	IP FW – IVA: "IVA/Motion Plus" not provided as alarm input type or available for alarm rules	1.07
1947	IP FW – IVA: Ten VCA configurations for 200/300/500 Series with fixed camera	1.07
1946	IP FW – IVA: Assigned scenes are still available for assignment to other VCA configurations	1.07
1943	IP FW – IVA: Certain scenes and data aren't retrievable in Display Settings Group 2 page	1.07
1939	IP FW – IVA: 100 Series displays disabled Alarm State flag when IVA = Off where others don't display it	1.07
1938	IP FW – IVA: LivePage setting for JPEG/MPEG file path won't allow folder selection	1.07
1937	IP FW – IVA: Two clicks required to show VCA page drop down lists	1.07
1935	IP FW – IVA: With inactive IVA license, cannot trigger Motion+ alarm on configuration #1	1.07
1821	IP FW – Web Server incompatible with VCA PIP	1.07
1562	IP FW – IP Web Server - Awkward translation in dialog box	1.07
2519	SC Main—Fix the Autobaud Text issue	1.06
2478	LL Czech—Default scene and sector titles overwritten by number	1.06

Change Request	Description	Service Pack
2464	LL Russian—Default scene and sector titles overwritten by number	1.06
2463	SC Main—French alarm translation typo for Aux Off	1.06
2461	SC Main—ROIs and Virtual Masks not recovered after data migration	1.06
2460	SC Main—Motion detection scene handling causes dome to crash	1.06
2459	SC Main—Missing virtual masks	1.06
2455	SC Main—Motion detection ROI scenes register motion outside of ROI	1.06
2452	SC Main—Any Aux On/Off commands not recognized as an alarm rule input	1.06
2376	SC Main—IVA: Aux OFF 65 does not always clear IVA Alarms	1.06
2356	SC Main—Customer Complaint - Problem with French and Alarm setup	1.06
2350	SC Main—Gen4 halts configuration upload over Bilinx	1.06
2321	IP—VCA Upload issue	1.06
2298	SC Main—Fix the CRs related to IVA merger with 1.10 code base	1.06
2254	SC Main—Custom language + alarm input crashes the Pressure Dome	1.06
2253	SC Main—SC Main supports an "Alarm Input 8"	1.06
2247	SC Main—Gen4 stops when doing a GET while moving to position	1.06
2217	IP—: Entering unstored shot as alarm output option creates cumbersome error	1.06
2194	SC Main—Autopan Speed entered by ON 14 is not saved	1.06
2147	LL Czech—Czech Language: Titles of resident languages aren't translated	1.06
2117	SC Main—SC displays CP version (Minor, Patch, Build) in Hex format instead of Decimal	1.06
2116	SC Main—SC resets continuously when CP application gets corrupted	1.06
2041	SC Main—IVA: Fix PTZ server 013.2 (MAX prepositions) object. Also implement it for Unity cameras	1.06
1975	SC Main—IVA: PTZFI and aux commands do not disable IVA	1.06
1973	SC Main—IVA: IVA scene disabled after factory reset	1.06
1967	SC Main—IVA: When motion detection scene is overwritten, motion detection not immediately enabled	1.06
1960	SC Main—IVA: AutoTrack icon and Image Stabilization activation generate false motion alarms	1.06
1941	SC Main—Recording OSD text displays incorrect information for CP recordings	1.06
1837	SC Main—Preset Shots should activate rules	1.06
2258	SP1.05.00.05 fails Final Unit Test for video level on 200 series	1.05
2168	Fix the SC code issues contributing to the Belt Slippage issue	1.05
2163	CP: (Manchester) Commanded Auto Iris function is inoperative	1.05
2007	CP: Gen4 responds to any AD controller camera address (FastAddress)	1.05
2005	IP and subnet address not displayed on version screen	1.05
1903	Incorrect Focal Length during AutoTracking	1.05
1887	IP Web Server persistently fails to upload Unity camera firmware	1.05
1884	200 Series memory becomes corrupted	1.05
1842	Setting shot XX as Alarm Input option not possible in certain case	1.05
1832	Error in Match Large Template Vertical Range	1.05
1756		1.05
1667	BiCom messages can get blocked and "Not Allowed" is returned	1.05
1660	Implement set and get operations for AutoPanScan.RightLimit and LeftLimit	1.05

Change Request	Description	Service Pack
1617	Freeze frame unblanks a sector prior to moving to scene	1.05
1563	CLI 'dispVer' sometimes returns all '0's' for IP Panel firmware version.	1.05
1547	Retransmission of reliable BOS Events is not re-sending the correct message	1.05
1542	Alarm output "Shot" defaults to "Scene 1"	1.05
1803	Fix Factory Test PIP Window for VCA Testing	1.045
1553	Unable to download Series 200 configuration table via web server	1.045
1552	Custom tour corrupted	1.045
1551	Configuration file for a 10 minute recording gets corrupted	1.045
102	Optimize Timing on CIF Template Matching Software	1.045
2	Stabilization Data Incongruity	1.045
1277	IP WebServer doesn't recollect the configuration settings [Privacy masts, Standard Tour, Recordings	1.04
1180	BOS retransmit does not resend the correct number of bytes	1.04
1177	Unable to use the 'FastAddress' features of a Gen4 IP dome with a 5136 keyboard	1.04
1176	Privacy Mask clear setting not saved when ROI is read less then 0.5 sec afterwards	1.04
1175	IP WebServer camera setting UI issues	1.04
1174	IP WebServer: Language Table upgrade is not automatically selected	1.04
1173	Upload of SC Main app 1.08.00.01+ fails	1.04
1172	IP WebServer: Recording page display problems with smaller resolution displays	1.04
1171	Dome going in circles	1.04
1169	IP WebServer: IVA metadata checkbox missing	1.04
1168	Dome going in circles	1.04
1166	IP WebServer: browser lockup after failed configuration upload	1.04
1165	IP WebServer : Incorrect calculation of pan & tilt time on	1.04
1164	IP WebServer: camera setting UI issues	1.04
1162	IP WebServer: loses streaming video after firmware or config upload	1.04
1161	Unable to use the "Fast Address" features of a Gen4 IP dome with a 5136 Keyboard	1.04
1148	English string should be shown when translation for custom language not available	1.04
1135	Recording playback not halted when interrupted by alarm rule.	1.04
1119	Provide a timeout feature when AutoTracker is stuck in a position	1.04
1116	Problem in some Server member functions	1.04
1076	VCA Boot Firmware Upload Failure not reported	1.04
258	Disable the check box for automatic selection of failed upload component	1.03
254	Relay Output Icons do not function in Alarm State	1.03
202	IP Web Server: Clean up and update the online help file	1.03
195	Incorrect ID of Audio inputs, Audio ouputs, Relays and Alarm Inputs for Gen4 IP device	1.03
194	IP Web Server tiny control on Settings page	1.03
186	IP Webserver 3.0b9 identifies Unity Camera Incorrectly	1.03
185	IP Web Server Aux Control frame UI issues	1.03
184	IP Web Server: Offline configuration files are declared invalid	1.03
183	IP Web Server doesn't handle failed VCA uploads	1.03
182	IP Web Server configuration checking verification	1.03
181	IP Web Server UI issues	1.03
170	IP Web Server - Current language displayed as English when Russian is set	1.03
1146	Zoom position data is getting corrupted in series 500.	1.02

Change Request	Description	Service Pack
1144	Masking and diagnostic help text is broken up on OSD.	1.02
1143	Advanced Feature menu under Factory Settings	1.02
1139	Typo in BLC PAL warning message	1.02
1134	Alarm output valid data only increments regardless of joystick movement	1.02
1132	Zoomed privacy and virtual masks cause system to lose positional references	1.02
1129	Dome will stop when requesting position via opcode 0x14	1.02
1121	CLI command "clearsettings" is not clearing all settings.	1.02
1120	Audio setting lost after dome looses power	1.02
1118	Camera height display is only in feet	1.02
1117	FUT tilt test fails when system controller contains different housing tilt limits	1.02
1111	Fix the PTZ Server.Position.ZoomFocalLength setvalue	1.02
1109	Fast Address menu crashes when setting 4 digit address	1.02
1103	PTZ override flag stays set after SET-110	1.02
1102	I2C 1401 & 1407 errors	1.02
1101	AutoTrack failed to reactivate after recordings (ON-100)	1.02
1062	Warning message shows wrong shutter speed for PAL cameras	1.02
1061	Resetting pan tilt settings to default prior to the power up homing may cause homing to fail	1.02
996	AT ON/OFF does not toggle with a left joystick movement	1.02
739	When you change AF from manual to spot, it becomes constant	1.02
254	Inactivity not working after alarm with preposition tour.	1.02
1099	Try again if timeout while going to a preposition	1.01
1091	Dome will Track without flashing tracker icon	1.01
1080	FRS stabilization requirement is wrong.	1.01
1078	Incorrect values and equality test in Stabilization software	1.01
1074	Incorrect Matrix used in Region of Interest Computations	1.01
1073	Incorrect Image Passed to Edge Detection Software	1.01
1061	Resetting PanTilt settings to default prior to the power up homing may cause homing to fail.	1.01
1053	Tracker icon remains blinking after auto pivot	1.01
1043	Baud rate changed to 2400 and remains at that rate.	1.01
1038	Disable iVMD for Gen4	1.01
976	Cannot upload VCA app after it becomes corrupted	1.01
969	Add loss of home detection to the diagnostics	1.01
947	app0 page doesn't automatically appear after failed IP firmware upgrade/downgrade	1.01
944	Web Server virtual joystick controls with Unity camera	1.01
935	IP Web Server and Series 100: Restore defaults disables camera buttons	1.01
1065	36x Night Mode performance	1.00
1064	Virtual mask EXIT option does not work	1.00
1063	Splash screen differences for 36x camera ID	1.00
1061	Resetting PanTilt settings to default prior to the power up homing may cause homing to fail	1.00
1060	AutoPivot Flag clears before AutoPivot Completes	1.00
1056	Create a separate path for displaying QCIF window for factory test	1.00
1054	Virtual masks tilt position shifted	1.00

Change Request	Description	Service Pack
1050	Dome will sometimes reset if a scene is recalled while actively tracking	1.00
1004	Alarm rule output conflicts between IS and MD	1.00
940	Disable AT when changing Focal Length.	1.00