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|---|--|--|------------------|-----------------|
| Release Notes 01.00 | | | Last Checked-In: | 2012- Jan-25 |
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| Security Systems  | | Version: 01.4 |
| | Firmware Release Letter CPP H.264 Firmware 5.60.1206 | Date: 2 Nov 2012 |
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Firmware Release Letter

1. Introduction

1.1 Disclaimer of Warranty

Bosch Security Systems, Inc. makes no representations or warranties, either expressed or implied, by or with respect to anything in this document, and shall not be liable for any implied warranties of merchantability or fitness for a particular purpose or for any indirect, special or consequential damages.

1.2 Purpose

The purpose of the *Firmware Release Letter* document is to communicate major new features and changes in the release of the CPP H.264 Firmware 5.60.1206. It also documents component compatibility, workarounds, and any feature restrictions.

1.3 Scope

Firmware release 5.60.1206 is a maintenance release based on the former release 5.52.1126. It is a combined firmware package, applicable to all H.264 products based on the device's platform. The combined firmware package includes the files specific to the following devices:

- AutoDome Junior 800 HD PTZ
- AutoDome Junior 800 HD Fixed
- VG5 AutoDome 700 IP
- VG5 AutoDome 800 HD
- VG4 AutoDome 300 and 500i
- AutoDome Easy II IP
- HD Conference Dome

The CPP H.264 Firmware 5.60.1206 (common file), available on the Bosch Security System Web site, installs the following components on one of the Bosch cameras listed above:


| Component | Version |
|---------------------|-----------|
| CPP3 H.264 Firmware | 5.60.0063 |
| System Controller | 2.7.0.7 |

2. About This Service Pack Release

This is an Engineering Release of the firmware components identified section 1.3.

NOTICE: The system requirements for CPP H.264 Firmware 5.60.1206 release have changed. To have full use of the features and enhancements contained within this service pack you must use the following software components:

- Microsoft Internet Explorer 9.0 or higher, or Mozilla Firefox
- Oracle Java Virtual Machine 1.6.0_35
- DirectX 9.0c
- MPEG-ActiveX 5.60.newer
- Configuration Manager 4.40 or newer

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3. Hardware Changes

None.

4. Software Changes

This section identifies enhancements and defect resolutions provided in CPP H.264 Firmware 5.60.1206.

NOTICE: If you are updating an IP-enabled AutoDome Series camera that is currently running BVIP Firmware 4.53 or earlier, you must first upgrade the AutoDome to BVIP Firmware 4.54 before installing CPP H.264 Firmware 5.60.1206.

4.1 Firmware Enhancements

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

| Change Request | Description |
|----------------|--|
| IMC00004272 | Added on-screen Preset titles. (AutoDome 800) |
| IMC00004999 | Sector titles are removed when preset titles are displayed. |
| IMC00005002 | Preset titles now display on the image. (HD Conference Dome) |
| IMC00004777 | Added Azimuth/Elevation feature. (Autodome 700 and 800) |
| IMC00004988 | Enhanced focus setting. (AutoDome Junior HD) |

4.2 Defects Resolved

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

| Change Request | Description |
|----------------|---|
| IMC00004754 | Added One-push focus as an option when storing presets. |
| IMC00005003 | Azimuth, compass, and elevation now display correct value when activated |
| IMC00005005 | Azimuth, compass, and elevation values now display correct when the camera is inverted. |
| IMC00005015 | Azimuth, compass, and elevation can now be displayed while Intelligent Tracking is active. |
| IMC00004936 | Improved timing of Preset Titles (HD Conference Dome) |
| IMC00005045 | Switching from 1080p25/30 to 720p50/60 now displays an image on the HD-SDI output. (HD Conference Dome) |
| IMC00004917 | Near limit focus correction. (AutoDome 700) |

5. System Requirements


- Microsoft Internet Explorer 9.0 or higher, or Mozilla Firefox
- Oracle Java Virtual Machine 1.6.0_35
- DirectX 9.0c
- MPEG-ActiveX 5.60.newer
- Configuration Manager 4.40 or newer

6. Feature Restrictions

None.

7. Uploading Firmware

Refer to the *VG5 Series Firmware Update Manual*, available on the Bosch Security Systems Web site.


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8. History

8.1 Firmware Enhancements

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

| Change Request | Description | Firmware Version |
|----------------|---|------------------|
| IMC00004987 | Focus in dark scenes has been enhanced. | 5.52.0020 |
| IMC00004801 | JR HD Cogging at full zoom is not acceptable. | 5.52.0020 |
| IMC00002048 | Sector blanking not clearing after some operations | 5.52.0018 |
| IMC00003889 | Resolved position loss issue for VG5 700 and 800 series cameras. | 5.52.0018 |
| IMC00001443 | Functional OSD feedback displays replace 'Display Blanked' in blanked sector | 5.52.0018 |
| IMC00004858 | Junior HD Fixed remains in initialization mode after firmware upload | 5.52.0018 |
| IMC00004461 | Upgrading firmware with sector 1 blanked causes all sectors to be blanked | 5.52.0018 |
| IMC00004586 | Preset Manual Focus incorrectly returns 1 for Auto/OnePush and 2 for Manual | 5.52.0018 |
| IMC00004458 | SET-898 while zoomed does not reset the pan/tilt speed | 5.52.0018 |
| IMC00004622 | JR HD Outdoor: Vivid Color Default should be Off. | 5.52.0018 |
| IMC00004663 | Position loss issue for JrHD | 5.52.0018 |
| IMC00004282 | Junior HD Fixed doesn't always return to saved fixed position | 5.52.0018 |
| IMC00004686 | Change behavior of Aux 86 and 87 | 5.52.0018 |
| IMC00004747 | VG5 800 series moves in the wrong direction after receiving the NTCIP Delta command | 5.52.0018 |
| IMC00004801 | JR HD Cogging at full zoom is not acceptable for the K-Land casino in Korea | 5.52.0018 |
| IMC00003968 | "Display Blanked" message is not always on the screen when sector is banked | 5.52.0018 |
| IMC00001336 | 66-On removes Install Mode title in JrHD Fixed | 5.52.0018 |
| IMC00004174 | Support Zoom Threshold feature in Bosch Privacy Masking | 5.52.0018 |
| | Added Intelligent Tracking capability to VG5 800 Series cameras. | 5.52.0015 |
| | Enhanced Privacy Masking algorithm to improve performance. | 5.52.0015 |
| | Provided support for 24 privacy masks for all AutoDome series cameras. | 5.52.0015 |
| IMC00004077 | Improved sharpness and noise reduction performance. Sharpness defaults changed for VG5 700 series cameras (36x: 8, 26x: 6). | 5.52.0015 |
| IMC00003833 | Compass feature added to VG5 700 and to VG5 800 Series cameras. | 5.52.0015 |
| IMC00004215 | Added support for 99 presets for camera control via ONVIF. | 5.52.0015 |
| IMC00004285 | VG5 700: Implemented low light noise suppression. | 5.52.0015 |
| IMC00004323 | VG5 800: Changed Auto Iris Level default from 5 to 8. | 5.52.0015 |
| | Added Intelligent Tracking capability to VG5 700 Series cameras. | 5.51 |

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8.2 Defects Resolved

The following DEFECTS have been resolved for this delivery.

| Change Request | Description | Firmware Version |
|-----------------------|--|-------------------------|
| IMC00004967 | Implemented Preset Focus Fix | 5.52.0020 |
| IMC00004979 | Autofocus delay reduced to prevent focus issues at Wide Angle | 5.52.0020 |
| IMC0000418 | Corrected performance to prevent Autopan from losing field of view when returning from Inactivity. | 5.52.0015 |
| IMC00003955 | Improved recorder tour performance so manual interactions do not break preset functionality. | 5.52.0015 |
| IMC00003131 | Blanked sectors no longer cause a false alarm while Bosch Intelligent Tracking is active. | 5.52.0015 |
| IMC00004041 | Corrected focus when switching between a preset with a far view and a preset with a near view. | 5.52.0015 |
| IMC00004195 | Improved the rate for updating sector titles. | 5.52.0015 |
| IMC00003834 | Corrects PTZ inactivity time during VCA configuration. | 5.51 |
| IMC00003888 | Corrects playback functionality when a recording has a preset (VG5 700). | 5.51 |
| IMC00003900 | Addresses the invalid shutter speed (1/10) (for VG5 800 and AutoDome Junior HD cameras). | 5.51 |
| IMC00003149 | Corrects issue with repeating continuous playback commands. | 5.51 |
| IMC00004002 | Adds ability to change Frame Format (AutoDome Junior HD) | 5.51 |