

AutoDome Modular Cameras in Extreme Vibration Environments

February 24, 2010

Issue Severity:	Products Affected:
<input type="checkbox"/> High: Act immediately	<ul style="list-style-type: none">• AutoDome Modular Camera Systems (VG4 100, 200, 300, and 500i Series)
<input type="checkbox"/> Medium: Bosch Security Systems strongly recommends you take the action(s) described below.	
<input checked="" type="checkbox"/> Low: Advisory	

1.0 Issue

Recent product enhancements to the hardware and firmware of the AutoDome Modular Camera System (VG4 Series) extend the use of the AutoDome to bridge and to other high vibration applications. AutoDome cameras in extreme vibration applications have been observed to have issues with:

- loss of Home position
- loss of position accuracy
- shifts in predefined virtual and privacy masks

2.0 Resolution

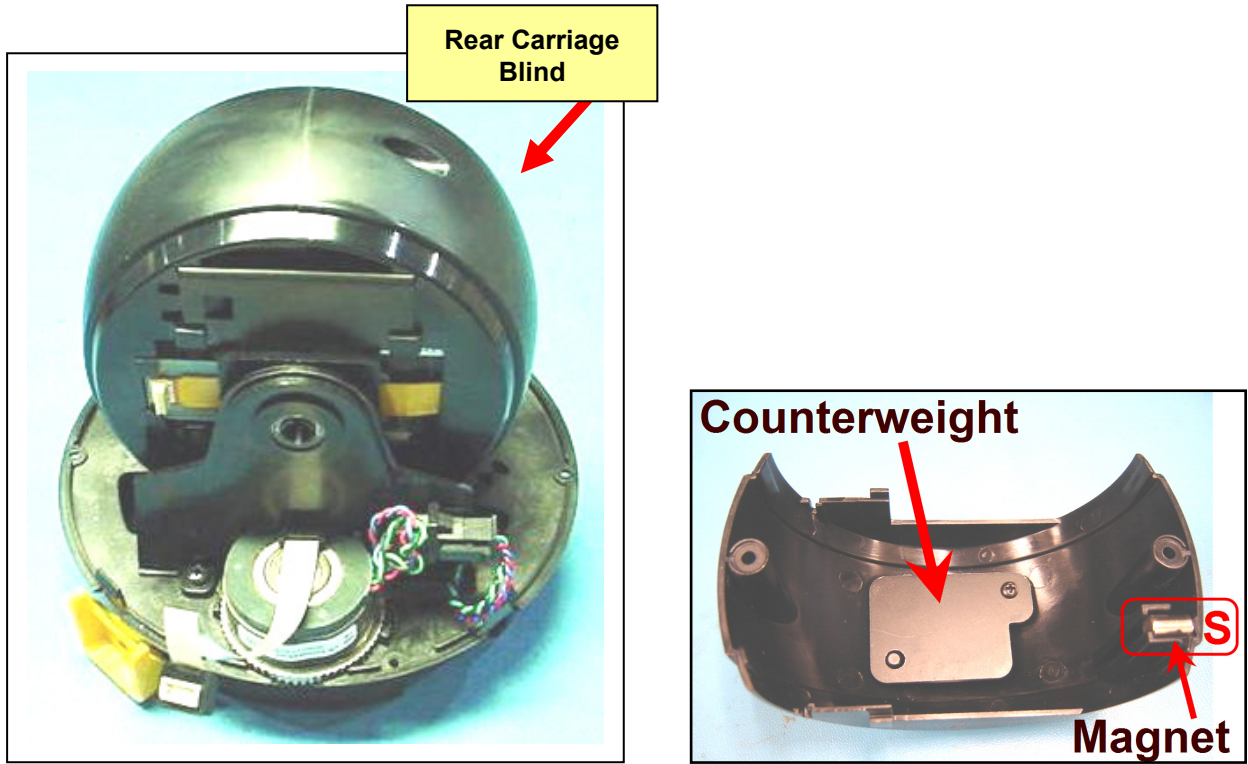
Bosch Security Systems, Inc. has improved the AutoDome Camera unit and upgraded the VG4 firmware to better cope with extreme vibrations.

The following table summarizes the dates when these fixes were included in new AutoDomes:

Region	Date Corrected in Production
AMEC	Week 5, 2010 (February 2010)
EMEA	Week 6, 2010 (February 2010)
APR/Australia	Week 14, 2010 (April 2010)

These AutoDomes contain the following fixes:

- **Counterweight** added to the rear carriage blind (photos below) to adjust the balance to a neutral center of gravity. This improves the balance of the PTZ camera head. (**Note:** The magnet has not changed; it is shown for reference only).



- **VG4 Service Pack Version 1.08** installed to correct the issues with position accuracy and with virtual and privacy masks. The acceleration/deceleration has been optimized to prevent degradation of the camera's home position.

To apply these fixes to an AutoDome in the field, please continue to the next sections.

2.1 Camera Unit Replacement

For cameras already used in extreme vibration applications, please contact your regional Bosch Security Systems Service Center for further instructions.

2.2 Firmware Update

This firmware upgrade may be performed in the field using VG4 Service Pack Version 1.08.

1. Download the [Service Pack](http://www.boschsecuritysystems.com) files from the from the Bosch Security Systems Web site (www.boschsecuritysystems.com) to the computer that will perform the firmware update to the VG4 camera. The Service Pack is located on the Software tab of any AutoDome Modular Series product page.
2. Update the firmware on the AutoDome using the files in the VG4 Service Pack Version 1.08. Refer to the [VG4 Series Firmware Update Manual](#) for detailed instructions. This manual is also located on the Software tab of any AutoDome Modular Series product page.
3. Once the firmware update is complete, issue the ON 66 Aux command. The firmware version highlighted in the red box below should match the number on the updated AutoDome (the number in the red box is the SCMain version):

Bosch Security Sys. AutoDome(r)		
500 Series	1.11.02.01	1.09.01.05
Day/Night 26X		2.00.00.00
SC Boot		1.05.00.01
FPGA		1.13.01.05
Lang. Table		1.00.00.01
VCA_boot		1.02.00.01
IP-Panel		4.00.50.43
IP Address	xxx.xxx.xxx.xxx	
Subnet Mask	xxx.xxx.xxx.xxx	
No Heater		
FastAddress: Not Set		

Note: The series, camera type, and IP information for your AutoDome may differ from the example.

