# **AutoDome Cameras in Extreme** Vibration Environments

November 8, 2011

Issue Severity:		Products Affected:
	High: Act immediately	<ul> <li>AutoDome Modular Camera Systems (VG4 Series)</li> <li>AutoDome 100 Series</li> <li>AutoDome 600 Series</li> <li>AutoDome 700 Series</li> <li>AutoDome 800 Series</li> </ul>
	recommends you take the action(s) described below.	
$\boxtimes$	Low: Advisory	

### 1. Issue

Surveillance cameras are susceptible to vibrations caused by wind or vibrations emanating from the medium to which the camera is attached. Cameras attached to a pole, roof, or to a bridge are especially vulnerable. Bosch offers the following recommendations to stabilize an AutoDome and to decrease the affects of vibration on a transmitted image, privacy masks, and AutoTracker.

## 2. Resolution

#### **Pole/Mast Mounts**

- Use a pendant arm with the Pole Mount Adapter (VG4-A-9541).
  - Do not attach a parapet mount to a pole or mast.
- Use a pole designed specifically for CCTV cameras:
  - Do not use a tapered pole.
  - Do not use a pole that has signs or other equipment attached.
- Use the EPA rating / Wind load data (listed below) to select an appropriate pole.

#### **Roof Mounts**

- Mount the camera in the most stable location on the roof.
- Avoid locations affected by vibrations such as those caused by a rooftop air conditioner.
- Use guy wires to stabilize the AutoDome against strong winds.
- Use the LTC 9230/01 Flat Roof Mount Adapter where appropriate. This adapter is made specifically for AutoDome roof applications.

#### Other Mount Applications (bridges, towers, etc.)

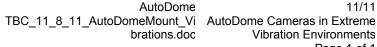
Unique camera mounting applications that are impacted by extreme high winds, heavy traffic, or other conditions may require additional measures to stabilize the camera. Contact a manufacturer that specializes in passive vibration suppression using either damping or isolation. Common research terms are:

- Passive vibration suppression
- Anti-vibration rubber mounts
- Vibration isolators

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