

## Test report FLIR Exx

### 2m drop

The tested cameras were brand new and fully functional. The serial numbers of the tested units are listed in the report. The drop test was performed using the following procedure:

1. The cameras were sequentially dropped, while in operating mode, hitting the surface from different positions covering the most critical impact angles, for a total of 15 drops, (3 cameras, 5 times each), from a height of 2.0 meters (6.6 feet). The drop surface was four layers of 12mm (1/2 in.) plywood over concrete.
2. The cameras were visually inspected externally after each drop and internally after the last drop. The results are recorded below.
3. The functional operations of the cameras were checked before and after a restart of the cameras, after each drop. The results are noted below.

Test date: **Sept 5-12, 2013**  
Test leader: **Håkan Wigh,**  
Title: **System Engineer, Verification**  
Participating: **Catrin Harju**  
**John Höglund**

<b>Serial No.:</b>	<b>Pre-test check (Pass/Fail)</b>	<b>Number of drops (2m)</b>	<b>After test Inspection (Pass/Fail)</b>	<b>After test Functional (Pass/Fail)</b>
64500127	<b>Pass</b>	<b>5</b>	<b>Pass</b>	<b>Pass</b>
64500138	<b>Pass</b>	<b>5</b>	<b>Pass</b>	<b>Pass</b>
64500140	<b>Pass</b>	<b>5</b>	<b>Pass</b>	<b>Pass</b>

**Pass criteria:**

All camera functions should work according to specifications. Remounting the battery lid and/or push back the SD-card might be necessary. Once remounted this will have no impact on the performance of the units.

**Notes:**

Camera 64500127 and 64500138 were equipped with a Window front with tape T197938 from a new supplier. The window detached during drop and was remounted. Once remounted this had no impact on the performance of the units. Investigation found that the tape was not mounted correctly from supplier and was not the strong adhesive we had ordered. New windows with stronger tape arrived and was mounted into the camera 64500140. Two drops hit the window and it withstood the shocks. The 2m drop was fully verified.



**Date:** Sept 26, 2013

**Test report approved by:**

  
**Name:** John Höglund  
**Title:** Product Line Leader