

# Test report

**Number** T211-0577/23

Project file: C20231534

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**Product:** Camera

**Type reference:** OAK-D-Pro-PoE

Ratings: /

Trademark: /

**Applicant:** Luxonis Holding Corporation  
7901 Shaffer PKWY, US-CO 80127 Littleton, USA

**Manufacturer:** Luxonis Holding Corporation, odštěpný závod  
Drtinova 557/10, 150 00 Praha 5, Czech Republik

**Place of manufacture:** Luxonis Holding Corporation, odštěpný závod  
Drtinova 557/10, 150 00 Praha 5, Czech Republik

## Summary of testing

**Testing method:** EN 60068-2-6:2008

**Testing location:** SIQ Ljubljana  
Mašera-Spasičeva ulica 10, SI-1000 Ljubljana, Slovenia

**Remarks:** Date of receipt of test items: 2023-07-07  
Number of items tested: 5  
Date of performance of tests: 2023-07-19 to 2023-07-20  
The test results presented in this report relate only to the items tested.  
The test items were tested in the condition as received.  
The product complies with the requirements of the testing methods.

Tested by: Mirko Čoko

Approved by: Miha Otrin

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## 1 EQUIPMENT UNDER TEST (EUT)

Five cameras, see Figures 1 to 5 were subjected to vibration test according to standards EN 60068-2-6:2008 and ISO 15998:2008 Clause 7.2.3 Table 1. During the tests, the samples were not operating. The aim of the test was to check possible damages after vibration test.



Figure 3



Figure 4



Figure 5

## 2 ACCEPTANCE CRITERIA

On successful completion of all the following tests, the equipment shall be considered suitable for test certification:

- No deterioration or damage of the sample (visual examination).
- No cracks of the sample (visual examination).
- Operation of the sample after the test.

## 3 TEST CONDITIONS

The fixation of the EUT on the electro-dynamic shaker VP700 in X, Y and Z axis is shown in Figures 6 to 8.

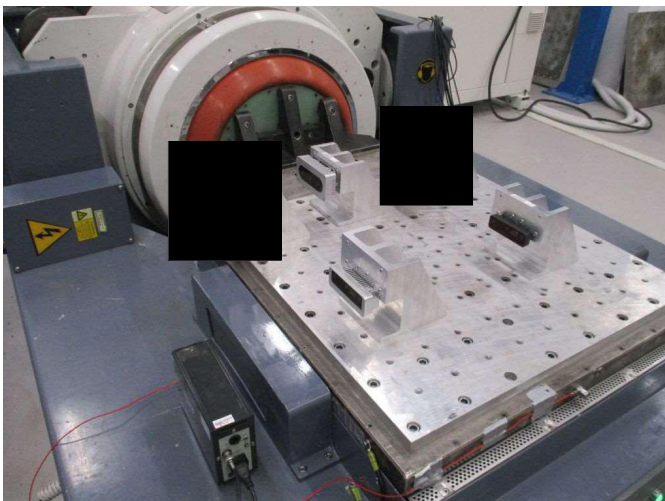


Figure 6: X axis

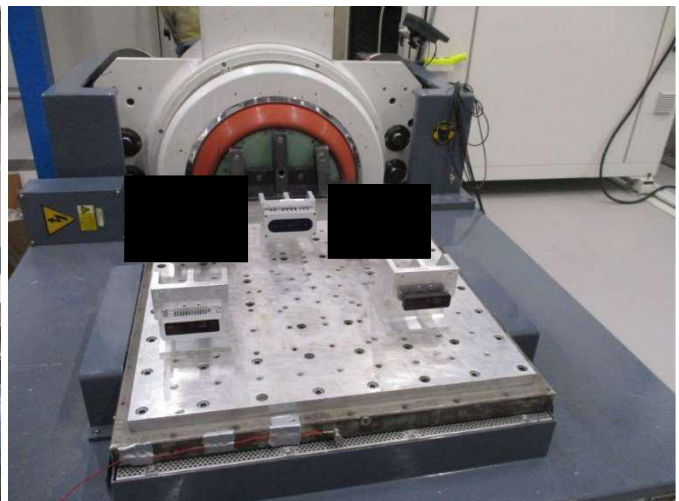


Figure 7: Y-axis

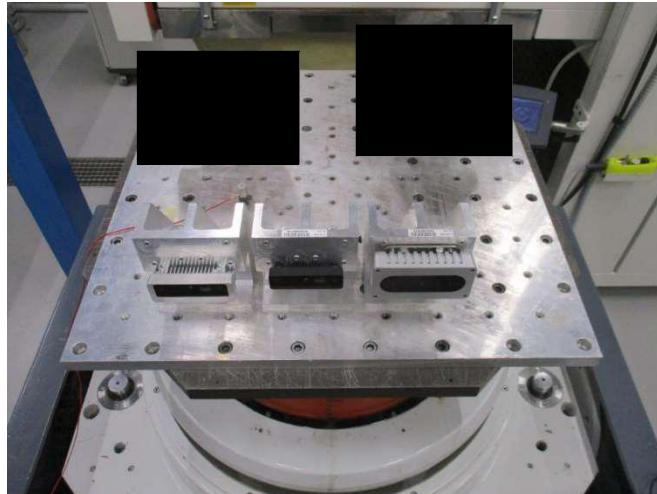


Figure 8: Z axis

### 3.1 Sinus vibration test (EN 60068-2-6:2008)

The testing was performed according to standard EN 60068-2-6:2008. EN 60068-2-6:2008 is accredited at Slovenian accreditation, scope LP-009.

#### Vibration parameters:

- Environmental temperature 23 °C.
- State of EUT: Not operating.
- Orientation: X, Y, Z-axis.
- Total frequency range: 5 ÷ 200 Hz.
- Frequency range 5 ÷ 9 Hz: Acceleration amplitude: ±15 mm.
- Frequency range 9 ÷ 200 Hz: Acceleration amplitude: 50 m/s<sup>2</sup>.
- Sweep rate: 1 oct/min.
- Duration of the test: 20 sweep cycles per axis.

The sine vibration parameters are shown in Figure 9:

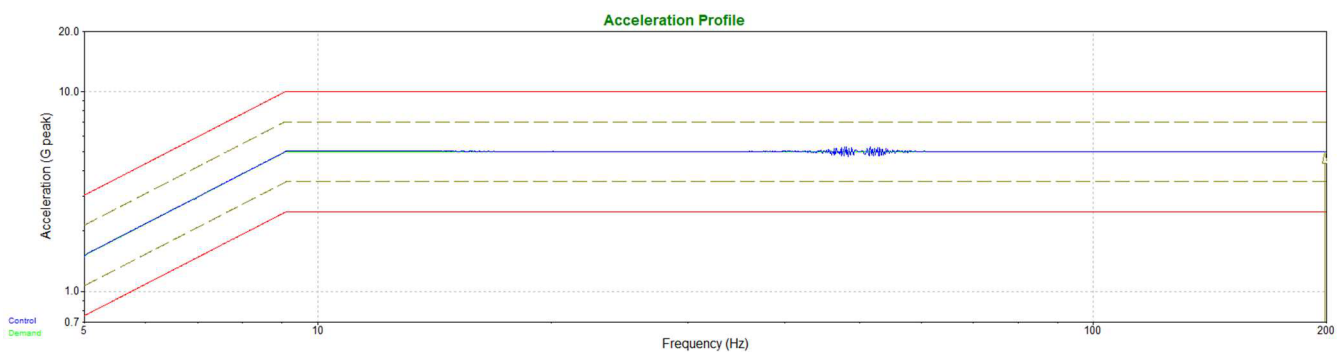


Figure 9

## 4 RESULTS AND CONCLUSIONS: GENERAL

Samples have successfully passed the vibration test carried out at conditions described in chapter 3. Samples were sent to applicant for further examination.

## 5 TEST EQUIPMENT

- Vibration system Dongling ES-60LS4-445, ID 753 (2023-10-18).
- Accelerometer Dytran, ID 946 (2023-11-28).

Note: The date of the recommended recalibration is given for each measuring instrument (in brackets).