



Applicant : Luxonis Holding Corporation
12F., No. 333, Sec. 1, Keeling Rd., Xinyi Dist.,
Taipei City 110208, Taiwan (R.O.C)

Description : Sample Name OAK S2 series
Model Name OAK-D S2
Date of Received JUL. 18, 2023
Date of Testing JUL. 20, 2023 ~ JUL. 21, 2023

Test Required : As requested by the applicant, please see following sheets in detail.

Conclusion	Test Information	Q'ty	Test Result	Page
	Degrees of protection provided by enclosures : IP6X	1	PASS	3
	Degrees of protection provided by enclosures : IPX6	1	PASS	5

Certificate : TAF/ ilac-MRA Certificate of Independent Test Laboratory/ Approval Certificate No.: 1723

Authorized by:
On behalf of World Advance Co., Ltd

Casper Lu

Casper Lu
Manager





Notes :

- This report is a non-quantitative test and does not include measurement uncertainty.
- This report refers only to the specimen(s) submitted to test, and is invalid as separately used.



Sample Description

Sample Name	OAK S2 series
Model Name	OAK-D S2
Serial Number	001, 002
Test Quantity	2
Unit Dimension	98 x 30 x 25 mm (L x D x H)
Unit Weight	85 g
Function Check	—
Remark	—

Appearance Photo of Unit (S/N: 001)	Appearance Photo of Unit (S/N: 002)
	



1. Degrees of protection provided by enclosures : IP6X

Test Date : JUL. 20, 2023

Test Equipment :

Apparatus name : International Protection1-4X System/ International Protection 5-6X System

Brand : ALAB

Model : AB-IPDS-1TO4X / AB-IPDS-5TO6X

Laboratory Ambience Condition :

Temperature : 25 °C

Humidity : 60 %RH

Test Reference Document :

The test was performed with reference to IEC60529: 2013

Test Condition :

Item	Test means			Test force (N)	Test position
IP6X	The object probe, rigid steel wire of 1.0 mm diameter			1 ± 10%	unit opening(s)
	Type of dust	Dust particle size (µm)	Amount of dust (kg/m ³)	Depression (kPa)	Duration time (h : min)
	talcum powder	≤ 50*75	2	≤ 2	08:00

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
OAK S2 series / OAK-D S2 / S/N: 001	V	—	—

Test Criteria :

- The wire shall not penetrate and adequate clearance shall be kept.
- There is no trace of dust inside.



2. Degrees of protection provided by enclosures : IPX6

Test Date : JUL. 21, 2023

Test Equipment :

Apparatus name : International Protection X1-9K System

Brand : ALAB

Model : AB-IPWT-X1TO9

Laboratory Ambience Condition :

Temperature : 25 °C

Humidity : 60 %RH

Test Reference Document :

The test was performed with reference to IEC60529: 2013

Test Condition :

Item	Water jet hose nozzle (mm)	Water flow rate (L/min)	Distance (m)	Waterproof direction	Duration time
IPX6	12.5	100 ±5%	2.5 ~ 3	surface of enclosure	1 min/m ² at least 3 min

Test Result :

Sample Name / Model Name / Serial Number	PASS	FAIL	No Judgment
OAK S2 series / OAK-D S2 / S/N: 002	V	—	—

Test Criteria : There is no trace of water inside.



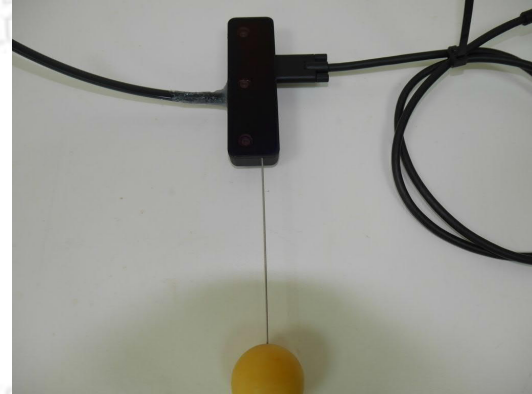
Test photo :

1 Degrees of protection provided by enclosures : IP6X (S/N:001)

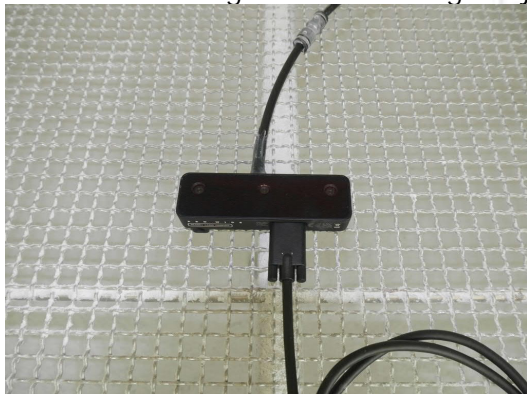
1-1 IP6X Protection against access to hazardous parts. -1



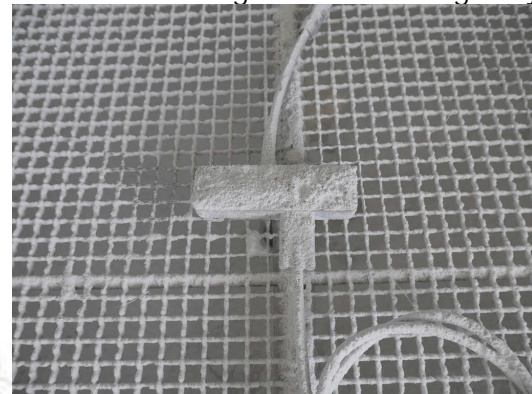
1-2 IP6X Protection against access to hazardous parts. -2



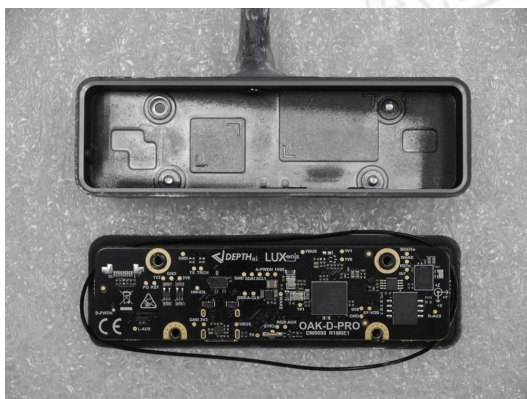
1-3 IP6X Dust Test
Protection against solid foreign objects.



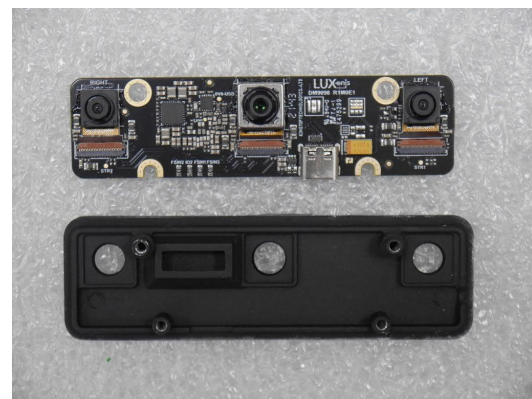
1-4 IP6X Dust Test
Protection against solid foreign objects.



1-5 IP6X After Test -1



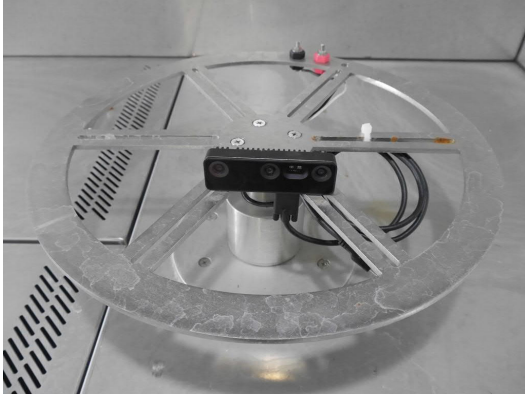
1-6 IP6X After Test -2



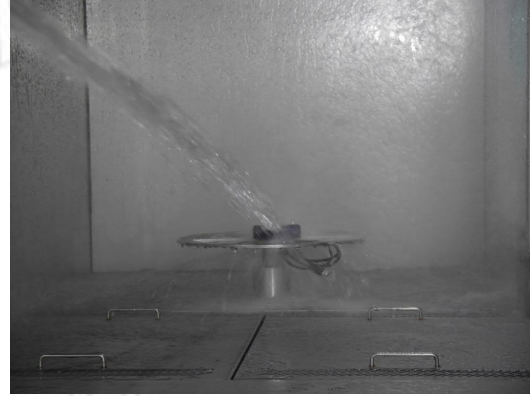


2 Degrees of protection provided by enclosures : IPX6 (S/N:002)

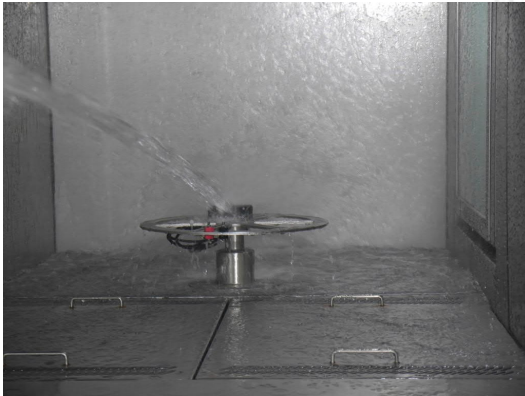
2-1 IPX6 Before Test



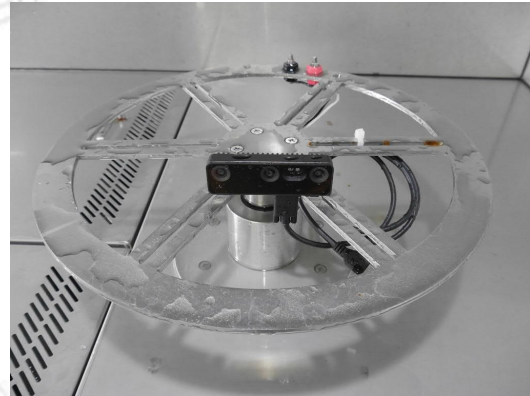
2-2 IPX6 Testing -1



2-3 IPX6 Testing -2



2-4 IPX6 After Test -1



2-5 IPX6 After Test -2



2-6 IPX6 After Test -3



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