



中国认可
国际互认
检测
TESTING
CNAS L2865



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检测报告

TEST REPORT

报告编号

Report No.

XZJHW-20251050010

产品名称

Name of Product

Eagle-S10 camera

委托单位

Client

Zhejiang MRDVS Technology Co., Ltd

受检单位

Tested Company

Zhejiang MRDVS Technology Co., Ltd

检测类别

Type of Test

委托检测



浙江省质量科学研究院

Zhejiang Institute of Quality Sciences

2025

年

Year

10

月

Month

31

日

Day

Test Report

Sample Name	Eagle-S10 camera	Test Type	Commissioned Test
Model/Specifications	LXPS-SA732-7CI-940A	Serial No.	FF59207798D6
Client	Zhejiang MRDVS Technology Co., Ltd.	Tested Unit	Zhejiang MRDVS Technology Co., Ltd.
Client Address	/	Manufacturer	/
Test Location	Lab 5-415,	Test Date	October 21, 2025
Test Basis	IEC60825-1-2014 Safety of laser products - Part 1: Equipment classification and requirements		
Test Item(s)	Laser Product Safety		
Sample Condition & Description	Appearance intact		

Main Measuring Equipment Used in This Test:

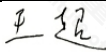
Equipment Name	Measurement Range	Uncertainty/Accuracy Class/Maximum Permissible Error	Calibration Institution	Certificate No.	Valid Until
Laser Power Probe	10μW~3W	$U_{rel} \sim 5\%$, $k=2.5$	Shanghai Institute of Measurement and Testing Technology	2025F49-10-5726984001	2026-02-05
Spectrometer	350nm~1100nm	$U=0.05nm$, $k=2$	Shanghai Institute of Measurement and Testing Technology	2025F49-10-5812107002	2026-03-24

Test Conclusion

According to IEC60825-1-2014, the commissioned sample was tested. The test results for the items tested are shown on the results page.

(盖检验检测专用章)

10 Month 31 Day 2025 Year

Approved By:  Reviewed By:  Prepared By: 

Test Results:

1. AEL

Wavelength	Pulse Width	Repetitive Frequency	AEL
937nm	5.6ns	7MHz	1.21W

($AEL=7\cdot10^{-4}\cdot C_4C_6T_2^{-0.25}$, $C_4=10^{0.002(\lambda-700)}$, $T_2=100s$, for $\alpha > \alpha_{max}$, $C_6=\alpha_{max}/\alpha_{min}$, $\alpha_{max}=100mrad$, $\alpha_{min}=1.5mrad$,)

2. Measured Results

Test Condition	Radiant Power	Laser Radiation Classification
Condition 3	1.528mW	Class 1

(Using 7mm aperture stop at 100mm from Laser lens(Condition 3))

Notes:

- 1、 The divergence angle of the light source is greater than 5mrad ,and condition is not applicable.
- 2、 The reference point was selected at the position of the laser at the observation port, beyond the nearest accessible point; for fiber output, the reference point is the fiber end.
- 3、 The laser radiation classification in the test results is the classification of the entire product. If the protective housing is removed, the laser radiation classification may be higher than the measured result.
- 4、 Laser products with highly divergent laser beams may generate sufficiently high radiation levels when close to or in contact with the source (e.g., the fiber end), which could potentially cause skin injury.

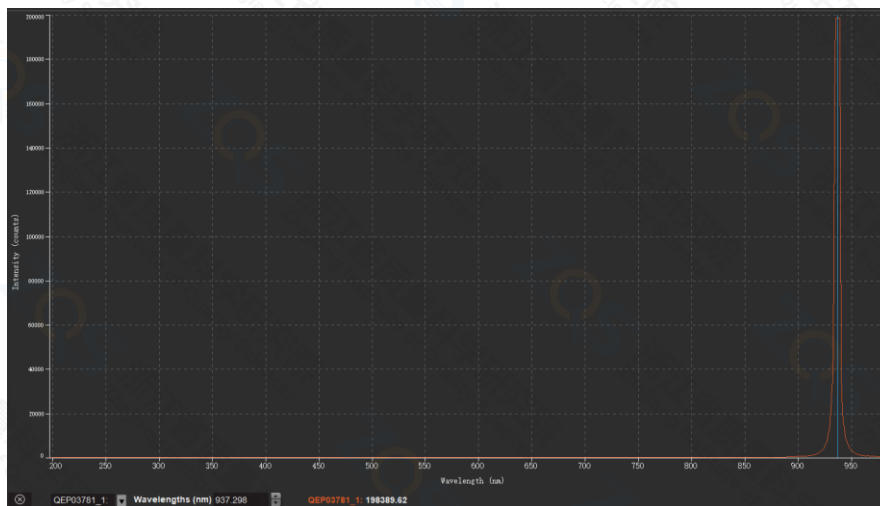


Figure1: Laser spectrum

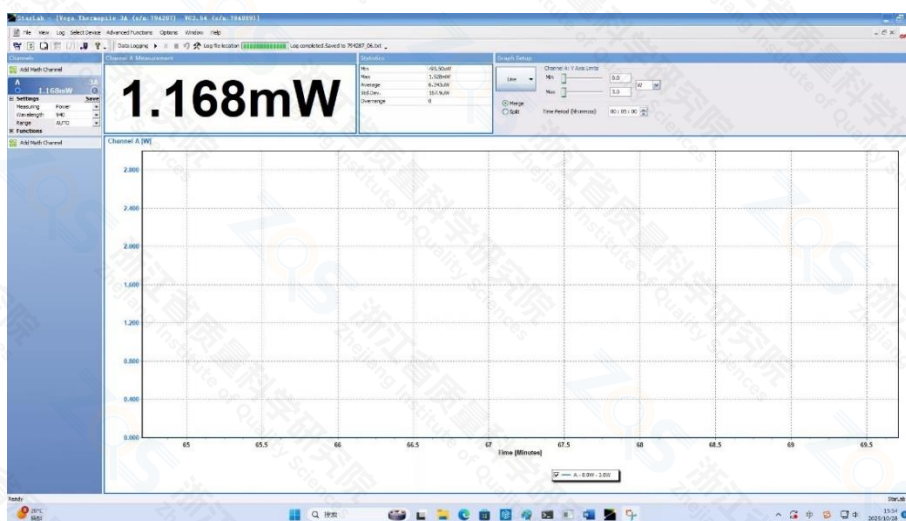


Figure 2:Power measured under condition 3



Figure 3: Photo of the sample

End of Document

Statement

- 1、 This report is invalid without the "Test Special Seal".
- 2、 This organization is only responsible for the complete report bearing the "Test Special Seal".
- 3、 Partial copying of the content of this report is invalid without the written approval of this organization.
- 4、 This report is invalid if altered.
- 5、 Please raise any objections to this report in a timely manner./6、 The test results are valid only for the sample(s) tested.

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