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LUCID Vision Labs™ SENSaiZ SZP123S-001, Sony IMX500, 12.33MP, Color Camera

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Stock #25-114 **CLEARANCE** 5 In Stock

− 1 + MRP ₹27,400

● Price inclusive of all taxes

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Volume Pricing

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Product Downloads

Color	Spectrum:
General	
Color Camera	Type:
SZP123S-001	Model Number:
	Manufacturer:

Camera Series:
SENSAZ

Physical & Mechanical Properties

Dimensions (mm):
55 x 40 x 35 (excludes lens protrusion)

Weight (g):
48

Housing:
Full

Optical Properties

Focal Length FL (mm):
4.35

Sensor

Sensor Format:
1/2.3"

Resolution (Megapixels):
12.33

Pixels (H x V):
4,056 x 3,040

Pixel Size, H x V (µm):
1.55 x 1.55

Imaging Sensor:
Sony IMX500

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Rolling

Electrical

Power Consumption (W):
3 (PoE+)

Hardware & Interface Connectivity

Connector:
100BASE-T RJ45

Power Supply:
Power over Ethernet (PoE+)

Environmental & Durability Factors

Operating Temperature (°C):
-10 to +55

Storage Temperature (°C):
-30 to +60

Regulatory Compliance

Certificate of Conformance:
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Country of Origin:
Canada

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

Product Details

- 12.33 Megapixel Sony IMX500 Intelligent Vision CMOS Sensor
- Power Over Ethernet (PoE) for Easy Integration
- Compact 55 x 40 x 35 mm Form Factor
- Sony [ATRIOS](#) Software is Required for Use

LUCID Vision Labs™ SENSAZ Intelligent Vision CMOS Camera integrates Sony's IMX500 sensor and ATRIOS software platform to migrate image processing and AI image analysis directly to the camera without the need for external processing or memory. Sony's IMX500 CMOS sensor is designed with a stacked pixel chip and logic chip to place AI capabilities directly on the sensor, greatly reducing processing time and increasing security. This intelligent vision sensor shifts many of the standard image processing steps from a cloud-based system onto the camera itself, capturing the information and meaning of an image and allowing for only the necessary data to be output. This provides lower latency, offline image processing, increased security, reduced power requirements, and lower cost. Sony's ATRIOS software platform provides an all-in-one place for device management, AI development, and system and cloud integration. LUCID Vision Labs™ SENSAZ Intelligent Vision CMOS Camera features a built-in camera lens, lightweight and compact housing, and Ethernet PoE connection for simple system integration. This camera is ideal for a wide range of applications from security and manufacturing to automation and robotics.

NOTE: SENSAZ cameras can only be used with Sony's [ATRIOS](#) software platform. ATRIOS software can be purchased directly through Sony. See the Technical Images tab for mounting instructions.

