LIPS

EDGE AI ACTIVE STEREO 3D CAMERA

LIPSedge™ S315

HD Active Stereo 3D Depth Camera with Edge A.I.

Compact & Slim with USB Connectivity





720p RGB-D

REALTIME DEPTH SENSING

1280 × 720 at 30 fps
Global-shutter imaging

EDGE A.I.

ON-DEVICE INFERENCE

Open-root development
Low-latency analytics

DEVELOPER READY

LIPSedge SDK + USB-C

Industrial workflows
Cross-platform integration

Key Selling Points

Active Stereo + Global Shutter

Stable RGB-depth capture for realtime machine-vision workflows.

Edge A.I. On-Device

Run neural-network inference close to the sensor for low latency.

Built-In 6-Axis IMU

Integrated motion sensing with the Bosch BMI088.

Open Development Ecosystem

LIPSedge SDK support for industrial and cross-platform integration.

Turnkey Value Flow - From Depth to Edge Intelligence

Capture

RGB + active stereo
Global shutter

>

Depth

720p pixel-matched
depth stream

>

Edge AI

On-device inference
instant analytics

>

Integrate

LIPSedge SDK
application stack

1280 × 720	0.6 m	90° × 64°	≤ 2%
DEPTH STREAM	MINIMUM RANGE	DEPTH FOV	Z ACCURACY
Up to 30 fps	Ideal range: 4 m+	H x V (±2°)	Up to 2 m / 80% FoV

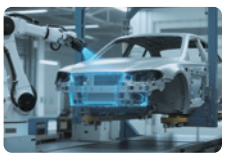
APPLICATIONS



Smart Logistics



VGR/Pick-&Place



3D Inspection



Autonomous Mobile Robots



Humanoid

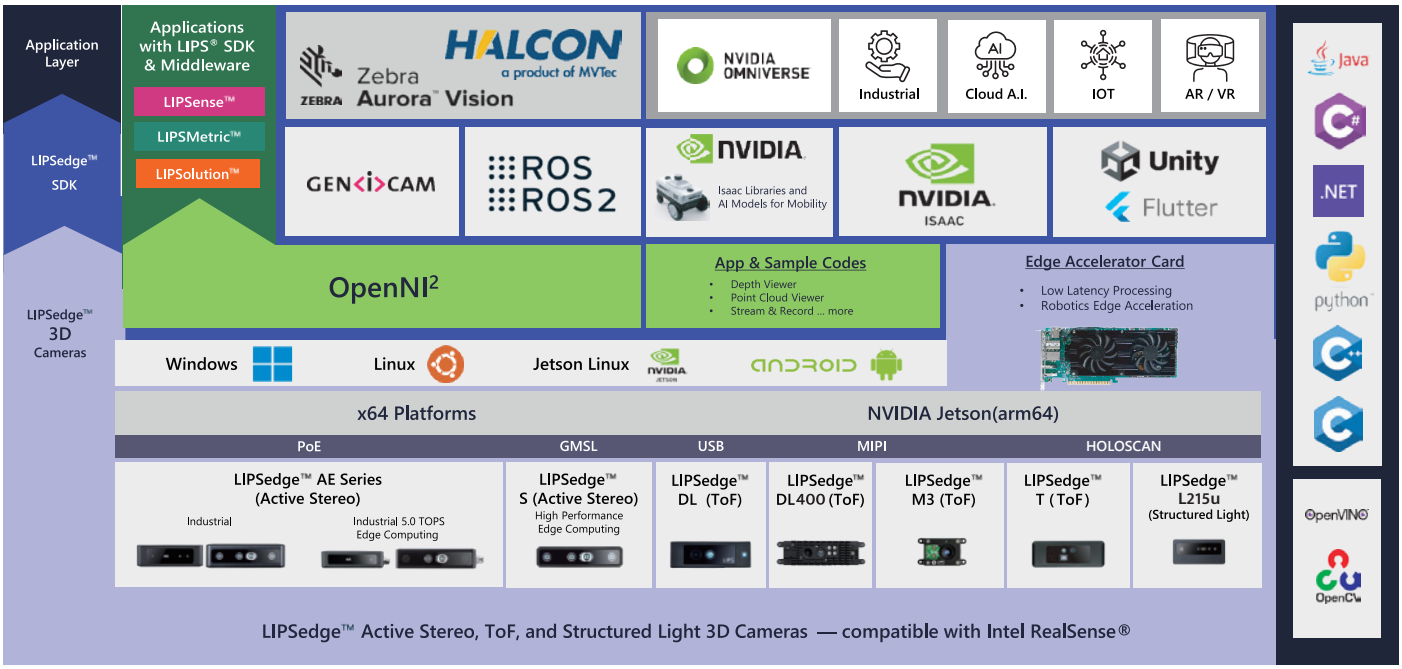
LIPS

www.lips-hci.com
info@lips-hci.com
+886-2-8791-6998
2F., No.100 Ruiguang Rd.,Neihu Dist., Taipei City 114, Taiwan

LIPSedge™ S315 Technical Specifications

System		
SoC	Processor	Quad core ARM Cortex-A55 @1.8GHz
Memory	RAM	1GB DDR4
	Internal Memory(eMMC)	8GB eMMC5.1
AI Performance	4.5 Tops	
System	OS	Linux Ubuntu 18.04
Image		
Depth	Technology	Active Stereo
	Ideal Working Distance	6v m+
	Minimum Working Distance	0.6 m
	Frame Rate	1280 × 720 @ 30fps
	FoV	87° * 58° * 95° (± 3°)
	Baseline	95 mm
	Shutter Type	Global Shutter
	Z Accuracy	≤ 2% (up to 2m and 80% of FoV)
RGB	Resolution	1280 × 720 @ 30fps
	FoV (H × V × D)	90° * 65° * 98° (± 3°)
	Shutter Type	Global Shutter
Illumination		
Illumination Type		Infrared
IR Wavelength		850 nm
Illuminating Component		Vertical-cavity surface-emitting laser (VCSEL)
Sensors		
IMU		BOSCH BMI088
General		
Dimension (mm)		126 * 30 * 27 mm (L × D × H)
Weight (g)		160 g
Ambient Temperature (°C)		0 °C ~ 40 °C
Storage Temperature (°C)		-20 °C ~ 60 °C
Output Interface		USB Type C
Power input		DC 5V from USB
Supported OS		Windows 10/11, Linux Ubuntu 20.04/22.04/24.04 LTS
Working Environment		Indoor

LIPSedge™ SDK Build Once, Deploy Without Limits



LIPS

www.lips-hci.com
info@lips-hci.com
+886-2-8791-6998
2F., No.100 Ruiguang Rd.,Neihu Dist., Taipei City 114, Taiwan