

Smart KIT



The Smart Kit series by Juganu transforms any location into an intelligent, connected environment. Designed to integrate with third-party luminaires, it enables advanced capabilities such as computer vision analytics and environmental sensing. Equipped with high-resolution cameras and flexible mounting angles, the Smart Kit features robust edge processing that delivers real-time insights, analytics, and video streaming. No PoE is required, allowing for simpler installation and broader deployment flexibility.

All processing is handled at the edge, ensuring privacy by transmitting only anonymized raw data to the cloud. The platform also supports seamless integration with third-party applications through data APIs, enabling enriched use cases and tailored analytics to run directly on the device.

Features

- Dual high-resolution cameras supporting both computer vision analytics and video streaming
- Wireless connectivity - Powered by AC only (Ethernet is not required)
- Integrated edge processor with a powerful GPU for efficient AI processing and minimal latency
- Wirelessly controlled and monitored for easy access and management

Benefits

- All-in-one solution, integrating multiple Sensors within a single design
- Ensures privacy by processing AI locally inside the lamp, with only raw data sent to the cloud
- Serves as infrastructure for gathering both real-time insights and BI statistics
- Transforms any space into a digital smart environment
- Quick and easy installation

Smart KIT

Retail

GENERAL INFORMATION

Dimensions	Diameter - 212 mm (8.34In) Height - 72 mm (2.83In)
Weight	1.6 kg (3.52lb)
Materials	Aluminum, Polycarbonate

OPERATING AND ELECTRICAL

Power Consumption	Up to 25W
Operating Voltage	110 – 240 VAC
Maximum Voltage	264 VAC
Operating Frequency	47Hz – 63 Hz
Operating Temperature	0°C to +40°C (32°F to +104°F)
Ingress Protection (IP Rating)	IP40

EMBEDDED CAMERAS

Number of Cameras	2
Radial angle between cameras	<ul style="list-style-type: none"> Elevation: 0° to -90° Azimuth: +90° to -90°
Resolution/fps	Sensor: Sony, Max Resolution: 12MP 4056(H) x 3040(V)
Field of View (FOV)	87° H, 104° D Additional lenses are optional and can be configured at the time of purchase

JNET 2 MULTI-LEVEL WIRELESS BACKHAUL

Wireless technology	802.11ax 2x2 , UNII 1&3
Max Aggregated EIRP	< 36dBm
Antenna Types	Omni 2X2

EDGE PROCESSING

GPU	384 NVIDIA CUDA® cores and 48 Tensor cores
CPU	6-core NVIDIA Carmel Arm
Memory	8 GB 128-bit LPDDR4x @ 51.2GB/s
Main AI Processor Performance	21 TOPS

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STANDARDS (additional local standards applicable)

The product is designed to meet the following standards

Group	Standard abbreviation	Description
EMC	IEC 62368-1 / IEC 61347-1 FCC Part 15 Subpart B	Emission
Radio	FCC Part 15 Subparts C & I ETSI EN 300 220 / EN 300 440	USA Europe
Mechanics and Environment	IEC 60529, ETSI EN 300 019-1-3 IEC 60068-2, IEC 60721-3-3	Protection rate Environmental
Safety	IEC 62368-1 IEC 61347-1	Safety of electronic equipment within the fields of Audio/Video, Information Technology and Communication Technology
	UL 62368-1 UL 1598	UL Standard for Safety for the North America market
FCC_ID	FCC SdoC	RF tests for US
	NOM	Mexico
Certifications	cTUVus	North America

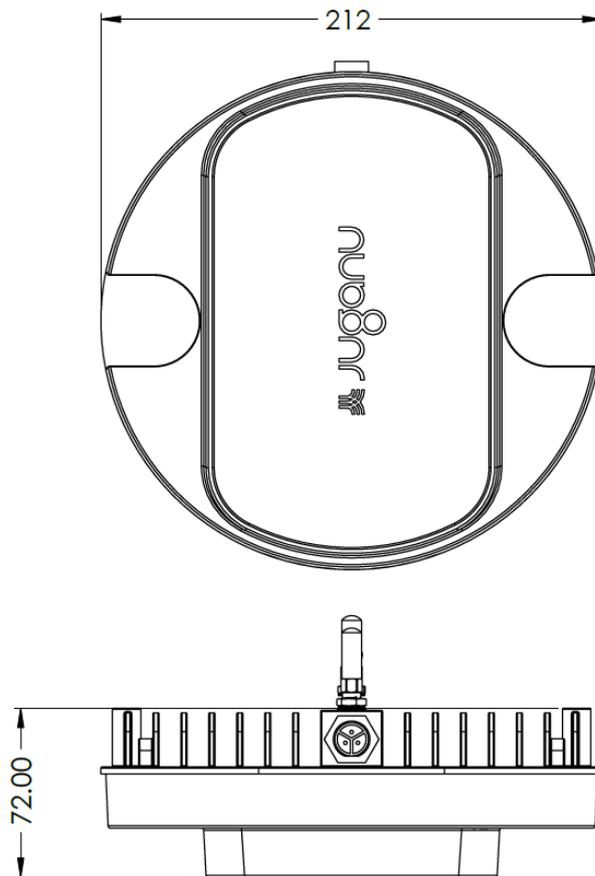
Mounting

Specialized Kits available for wall, ceiling, and linear lighting installations

Packaging and Weight

Lighting Fixtures Dimensions (mm)	Packaging Dimensions (mm)	Net Weight	Gross Weight
212*212*72	259*250*100	2 kg	2.2 kg

Mechanical Dimensions



Ordering Information

Product	Family	Lens
JSK1	Smart Kit	Dxy

Lens	
	D01 – H-87°, V-68°, D-104°
	D02 - H-69°, V-54°, D-82°
	D03 - H-52°, V-40°, D-63°
	DXY Set of one DX lens plus one DY lens

Ordering Example

JSK1-Smart kit-D012

Description

JSK1 Smart kit, one D01 lens and one D02 lens