## THERMAL VISION SENSOR



## About Thermal Vision Sensor

Thermi-Vision is an AI powered thermal sensor based smart vision camera designed for road traffic applications. The thermal imaging sensor provides high data accuracy in any light conditions (complete darkness or glaring sunlight) and in all weather conditions. Thermi-Vision is equipped with in-built hardware electronics capable of running AI based video analytics. The lens mount provides flexibility for interchangeable lenses depending on the application requirement. The camera hardware is capable to deploy different applications.

POWER	
Operating Voltage	12-36 V DC
Power over Ethernet (PoE)	PoE A and PoE B
PROCESSOR SYSTEM (MPSoC –ZU4EV)	
Application Processor	Quad-core ARM Cortex-A53
Operating Frequency	1.5GHz
Real-Time Processor	Dual-core ARM Cortex-R5,
	up to 600MHz
Graphics Processor	Mali™-400 MP2
Programmable Logic	192 K System Logic Cells
RAM	2 GB DDR4 SDRAM for PS
	and 1 GB for PL
Flash	8GB eMMC Flash (Expandable
Video Codec	H.264 / H.265
<b>CONNECTIONS &amp; COMMUNICATIONS</b>	
Ethernet/5G/4G	Server communication and
	configuration
CAN	External Communication
	Interface

## **Specifications**

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COMPLIANCE	
Protection Grade	Housing &Connectors
	IP67 grade
Shock & Vibration	IEC 60870-2-2
Temperature Range	0 to 55° C
IMAGING & OPTICAL	
Detector Type	Uncooled micro bolometer
	(Dali DLD384)
Spectral Response	8 to 14 µm
Streaming Video	RTSP
Resolution	384x288
Fame Rate	30 FPS
Compression	H.264, MPEG-4
Field of View	Horizontal: 60° Vertical: 50°
Lens Mount Type	Screw Mount
Focal Distance	7 to 19 mm (support for lens
	of different focal length)
Mounting	Pole mountable



Centre for Development of Advanced Computing (C-DAC), Thiruvananthapuram