PRODUCT OVERVIEW

VisionEdge

Local computing architecture for camera processing, object detection and connected equipment.



Engineering concept render. Physical configuration remains subject to validation.

Typical applications

Camera analytics, people counting, vehicle observation and industrial equipment integration.

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ENGINEERING INFORMATION

Technical specifications

Specification	Proposed configuration
Computing architecture	Compact industrial edge computer
Cooling	Fanless or managed cooling configuration
Input	Compatible IP cameras and connected sensors
Computer vision	Proposed local object detection and tracking
Object classes	People, vehicles and selected animal categories
Networking	Ethernet with optional wireless connectivity
Storage	SSD-based storage option
Integration	PaulVision telemetry and reporting architecture
Privacy	Anonymous counting without facial recognition
Performance	Processor, throughput and power consumption pending benchmark validation

Key capabilities

Local inference
Designed to process supported camera observations close to their source.

Configurable analytics
Proposed object detection, tracking and directional counting.

Modular integration
Computing resources can be selected for different camera and sensor requirements.

This document describes an engineering configuration under development. Specifications, performance, component selection and availability remain subject to validation. No certification is implied.