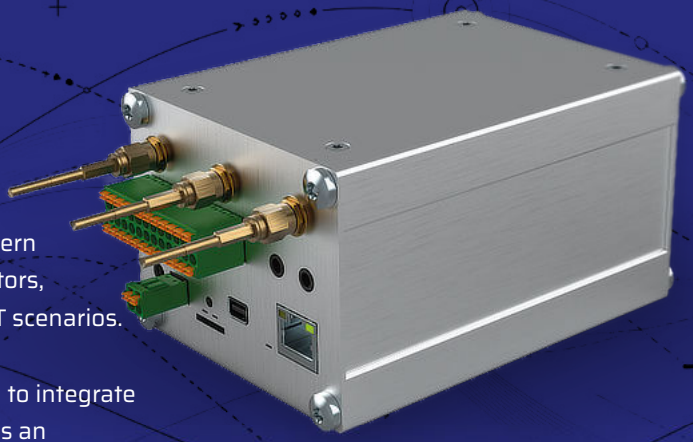


INTELLIGENT 5G MULTISENSOR

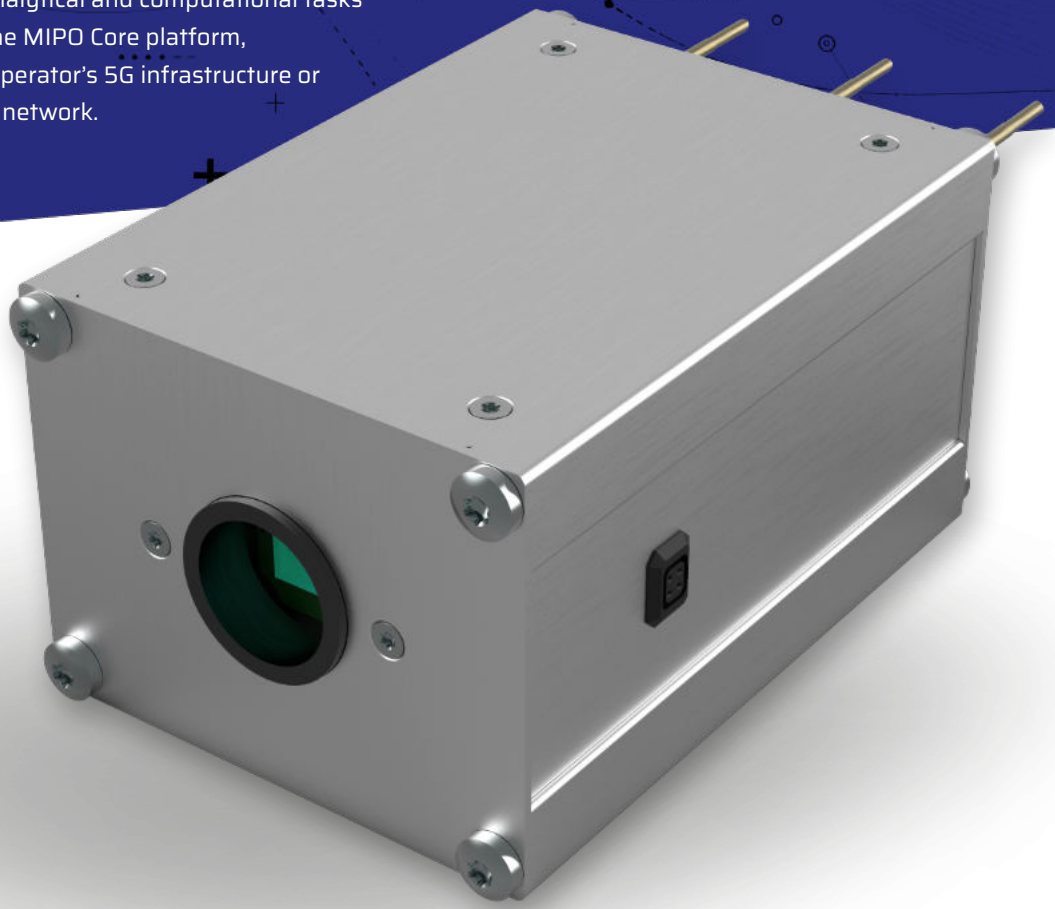
- Plug & Play Installation
- Adaptive Operating Modes
- AI Analytics
- Part of the 5G Network
- Flexible Integration and Expansion

Multisensor for Distributed 5G Edge Infrastructure



MIPO 5G is an intelligent multisensor designed for modern 5G edge/cloud infrastructures of mobile network operators, Smart City applications, industrial deployments, and IoT scenarios.

The device combines an imaging sensor with the ability to integrate additional sensing technologies. The multisensor acts as an intelligent endpoint for the acquisition and transmission of video and operational data, while all analytical and computational tasks are performed centrally within the MIPO Core platform, deployed directly in the mobile operator's 5G infrastructure or within the customer's private 5G network.



mipo 5G

mipo Core

Adaptive Operation

Enables flexible operation ranging from continuous live 4K streaming for real time monitoring to ultra low power battery operation with autonomy measured in months.

Zero Touch Configuration

Once connected to the 5G network, the device automatically registers with the platform for centralized configuration, monitoring, and system management.

AI Analytics

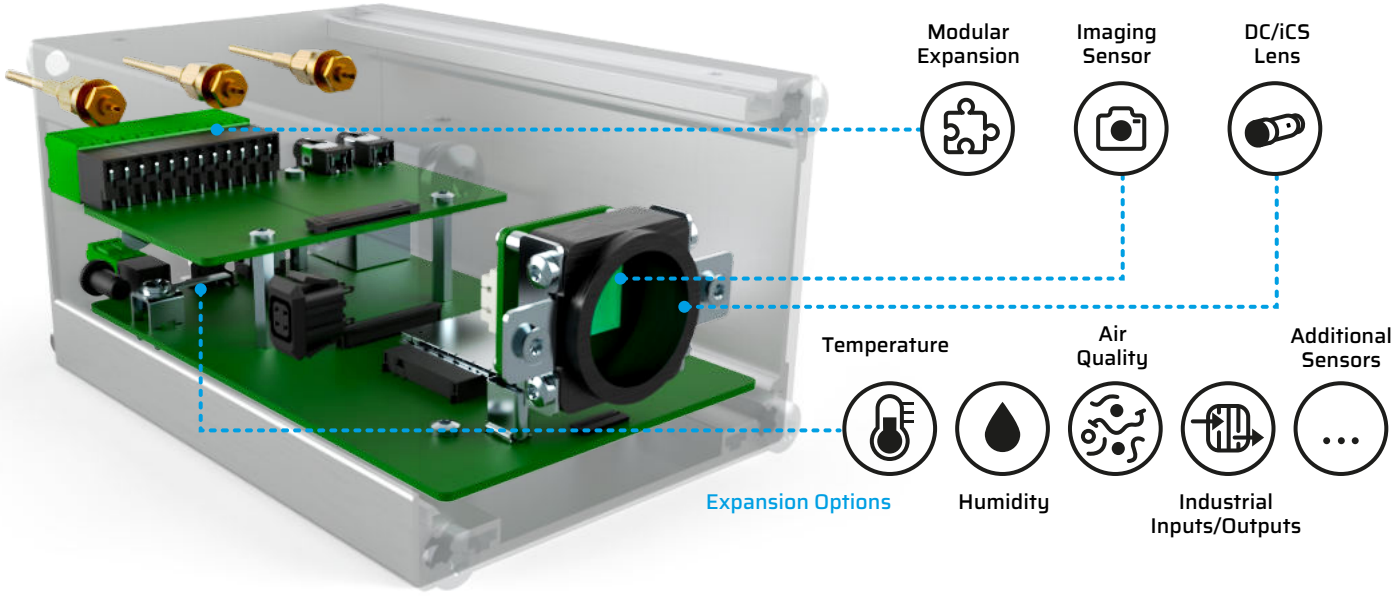
Optimized for AI driven analytics and efficient processing of video and operational metadata within edge/cloud environments.

5G Native

Designed for modern 5G infrastructures with support for high throughput, low power consumption, and advanced network capabilities.

Open Platform

Support for standard communication interfaces enables seamless integration of external devices, sensors, and industrial systems into existing infrastructures.





Expansion Options

TRAFFIC ANALYTICS

- Vehicle counting
- Traffic flow analysis
- Parking occupancy monitoring

AGRICULTURE

- Field and crop monitoring
- Remote supervision of machinery
- Environmental monitoring

CRITICAL INFRASTRUCTURE

- Energy facilities
- Technology sites
- Environmental monitoring

INDUSTRY AND INFRASTRUCTURE

- Construction site monitoring
- Energy infrastructure monitoring
- Logistics facilities

SMART CITY AND URBAN SURVEILLANCE

- Public area monitoring
- Smart parking applications
- Temporary surveillance points

TEMPORARY AND MOBILE INSTALLATIONS

- Construction projects
- Emergency deployments
- Off grid locations





Platform Capabilities

Remote configuration, monitoring, and management within the 5G infrastructure.

System Configuration

- Network and 5G settings
- Security policies
- Schedulers and automation
- Logging and service management
- Power management

Camera Parameters

- Sony STARVIS 2 sensor (4K)
- HDR / WDR
- Noise reduction
- Day/Night modes
- Image optimization

Video and Streaming

- Stream configuration
- Compression and bitrate settings
- Text overlays
- Privacy masking
- Audio functions

Device Operating Modes

- Always On
- Low Power
- Wake Up
- Scheduled image capture
- Event driven operation

Advanced 5G Features

- 5G RedCap
- Network Slicing
- QoS
- Advanced Security
- Pokročilé IoT funkce

Interfaces and Connectivity

- GPIO (1 relay output; 2 digital inputs)
- RS232 / RS422 / RS485
- 1 Wire
- Open integration interface for external devices and sensors

Platform within the 5G Environment

MIPO Core represents the central computing and analytics platform of the entire ecosystem. The platform is deployed directly within the mobile operator's 5G Core infrastructure or within the customer's dedicated private 5G environment. All demanding operations, analytical functions, metadata processing, recording, device configuration, and system management are performed centrally within MIPO Core.

MIPO 5G multisensors primarily serve as intelligent endpoints for collecting and transmitting video and operational data. The platform architecture enables efficient scaling from single installations to large scale distributed multisensor networks.



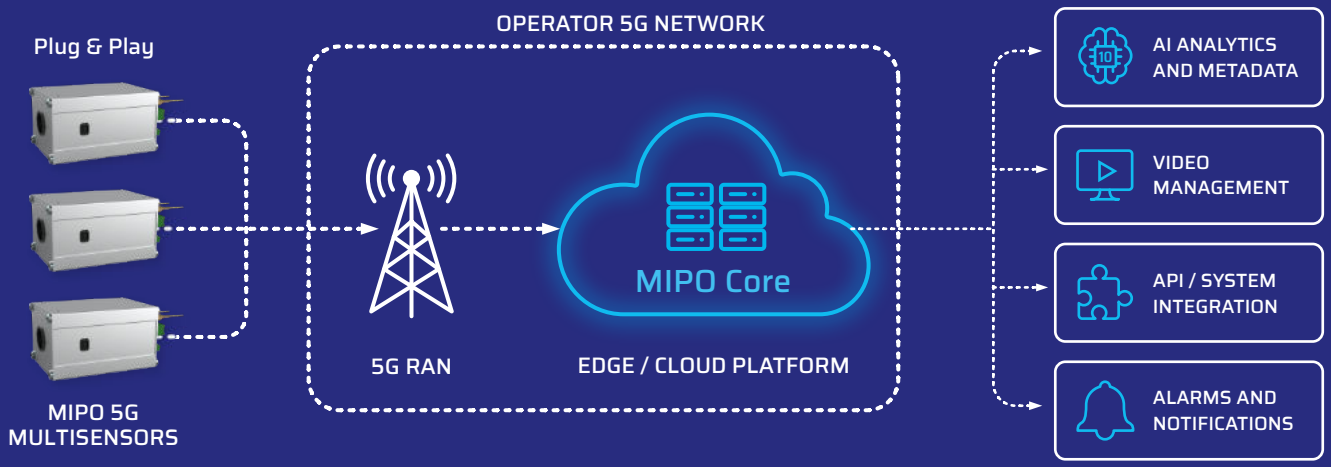
- Automatic sensor registration
- Remote device configuration
- Operational monitoring
- User and access management
- Device operating mode management
- Alarm, event, and notification management

Scalable Infrastructure
From tens to thousands of devices.

Operation within the 5G Core
No public cloud required.

High Security
End-to-End encryption and data isolation.

High Availability
Redundancy and 24/7 reliability.



Centralized Management

Automatic registration, remote configuration, and monitoring of all devices.

AI Analytics

Advanced models for traffic, urban, and industrial analytics.

Metadata Processing

Efficient metadata processing and storage with fast access.

Forensic Search

Fast retrieval of events and objects within metadata.

Video Management

Management of streams, recordings, and user access for both live and historical data.

API Integration

Open APIs for integration with third party applications and external systems.

* Images shown in this brochure are for illustrative purposes only. Technical specifications are subject to change.



mipo 5G

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