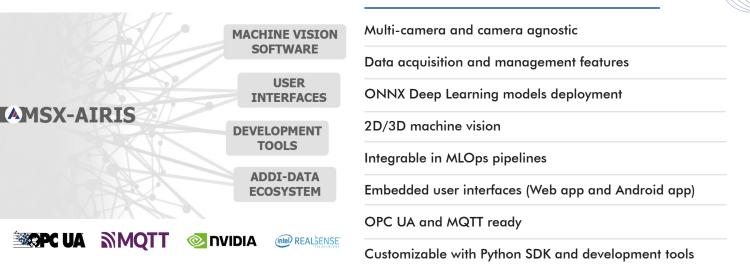
# INDUSTRIAL AI PLATFORM FOR EDGE MACHINE VISION

# **MSX-AIRIS**



Al platform for edge machine vision. software with its user interfaces, and It allows vision engineers and data allows developers to customize the since the customer does not develop a scientists to deploy ONNX models executed algorithms using development complete system but a small application on their edge systems, with no-code tools (IDE, SDK), in applications compatible with MSX-AIRIS that meets administration interfaces. It enables named "Skills". From the developer's his needs. the execution of artificial intelligence point of view, integration, sensor and algorithms in real-time, without any actuator interfaces, cybersecurity and Feel free to reach us! cloud connection, making the system communication issues are managed more resistant to disturbances and less by MSX-AIRIS, allowing the developer sensitive to environmental variations. It to focus on his business logic, thanks

The MSX-AIRIS software is an industrial contains an intelligent industrial agent to an ONNX model or to our vision

SDK. Productivity is greatly improved

#### Data acquisition

- Native support for 2D cameras (UVC, GigE)
- Native support for 3D cameras (Intel Realsense)
- Automatic camera discovery
- Camera settings management
- Snapshots and video recording

#### Data management

- Data acquisition
- Data annotations and labelling

#### Artificial intelligence and processing

- Installation of custom ONNX models support with GPU
- acceleration for classification, detection and segmentation • Designed to combine Deep Learning and 2D/3D vision processing

- Enables multi-camera processing
- Lightweight for embedded applications and real-time processing

# Monitoring

- Secured and encrypted MQTT and OPC UA interfaces for datareporting
- Encrypted communication clients available for MLOps pipelines integration
- Easy to manage with embeded Web app and Android app
- Secure system authentication with privilege levels

#### **Automation**

- Compatible with ADDI-DATA MSX-E product family for industrial measurement and automation
- PLC control
- ROS (Robot Operating System)



# **Development tools**

- Vision SDK (Python/C++)
  Standard computer vision Python packages integrated (OpenCV, Open3D, scikit-image...)

### Uses cases

- Quality control
- Smart measurement
- Visual inspection • Robot guidance
- Smart city

## The appliance

For each specific use case, we choose the best hardware to embed MSX-AIRIS and provide a ready-to-use system. Contact us!

