

EDGE AI PLATFORM

Ensure maximum availability, security, and future readiness across your sorting infrastructure.

The Edge AI Platform provides a secure and scalable foundation for parcel and postal sorting operations. It connects local systems at sorting facilities with centralized cloud services in one platform.

AI solutions, robotics, and operational systems can run locally at the edge, in the cloud, or in a hybrid environment. Local processing enables fast, real-time decisions, while cloud services provide centralized management, data access, and visibility across multiple locations.

This flexible approach improves performance and reliability while giving organizations greater control over their operations and infrastructure costs. Prime Vision already manages more than 7,000 systems across over 2,800 sorting sites worldwide.

EDGE AI PLATFORM SOLUTIONS INCLUDE:



Edge
platform



Cloud
platform



Hybrid
platform



EDGE PLATFORM

The Edge Platform runs directly at the edge, close to cameras, sensors, and machines within the sorting environment.

WHAT IT DOES

The Edge Platform module enables applications and operational services to run directly within the sorting facility, close to the equipment generating the data. By processing information locally, the system delivers ultra-low latency and ensures that time-critical decisions can be executed immediately.

This architecture allows sorting operations to continue running reliably even when connectivity to central systems or cloud services is limited or temporarily unavailable.

KEY CAPABILITIES

- ✓ **Ultra-low latency processing running applications directly at the edge for immediate operational responses.**
- ✓ **Immediate decision-making at the source enabling real-time decisions where data is generated without delays from centralized systems.**
- ✓ **Local operational resilience maintaining sorting operations even when network connectivity is disrupted.**
- ✓ **Proximity to operational systems processing data close to cameras, sensors, and machines for maximum performance.**
- ✓ **High availability architecture ensuring continuous operation in mission-critical sorting environments.**
- ✓ **Optimized for real-time applications supporting AI models, robotics control, and other time-sensitive processes.**





CLOUD PLATFORM

The Cloud module provides centralized compute, storage, and networking in a secure cloud environment.

WHAT IT DOES

The Cloud module delivers centralized infrastructure services that support applications and operational systems across multiple sorting facilities. It enables organizations to run services, manage updates, and store operational data from a single secure environment without relying on extensive local infrastructure.

By connecting sorting locations through a centralized platform, the Cloud module simplifies system management while allowing organizations to scale resources and services as operational demands grow.

KEY CAPABILITIES

- ✓ **Centralized infrastructure services providing compute, storage, and networking from a secure cloud environment.**
- ✓ **Scalable resource management enabling infrastructure capacity to expand quickly as operational needs increase.**
- ✓ **Centralized updates and management managing applications, configurations, and updates across multiple facilities.**
- ✓ **Multi-site connectivity connecting sorting centers and operational systems within a unified platform.**
- ✓ **Simplified infrastructure management reducing the need to maintain complex local infrastructure at each location.**





HYBRID PLATFORM

Hybrid combines cloud services with local, on-premise processing to support reliable and high-performance sorting operations.

WHAT IT DOES

The Hybrid module enables organizations to run time-critical operations locally within sorting facilities while leveraging centralized cloud services for orchestration, data management, and system optimization. Local processing ensures fast response times and operational reliability, even in environments where latency or connectivity may impact performance.

At the same time, the cloud layer provides centralized visibility and control across multiple locations, allowing organizations to manage systems, collect operational data, and continuously improve performance.

KEY CAPABILITIES

- ✓ **Local real-time processing** running time-critical operations directly within sorting facilities to minimize latency.
- ✓ **Centralized cloud management** using cloud services for orchestration, monitoring, and system management.
- ✓ **Improved operational reliability** maintaining local operations even when cloud connectivity is limited.
- ✓ **Unified data aggregation** collecting and analyzing operational data across multiple locations.
- ✓ **Flexible deployment architecture** balancing local performance with centralized scalability and control.



primevision

smart vision, smart flow

HQ

Olof Palmestraat 10
2616 LR Delft, The Netherlands
+31 15 219 2090 info@primevision.com

North America

2733 Crystal Drive
Suite 1050
Arlington, VA 22202
+1 267 629 2339 info@primevision.com
www.primevision.com