

Smart Integration Solutionf for Printers, Databases & Vision Systems

The **AIT scaleLAP HUB** is intelligent middleware for companies looking to efficiently connect printers, industrial cameras, databases, and IT systems, even when direct PLC integration is not possible or desired. As a central communication platform, the HUB enables reliable data exchange between production equipment, vision systems, ERP and MES systems, as well as labeling and printing solutions.

With standardized interfaces such as OPC UA, REST, MQTT, TCP/IP, FTP, and SQL, the scaleLAP HUB integrates seamlessly into existing production and logistics processes. Data is processed, stored, and visualized in real time. At the same time, the solution reduces integration effort, simplifies maintenance, and provides the foundation for transparent, digitally connected production.

The web-based dashboard provides clear and instant access to production, quality, and process data. Custom reports, live statistics, and camera-based analyses support rapid error detection and help continuously optimize processes. Thanks to its modular architecture, the scaleLAP HUB can scale flexibly with your requirements, from individual workstations to complex production lines with several hundred vision systems.

The AIT scaleLAP HUB is ideally suited for applications in **FMCG and logistics**. It supports, among other things, packaging and labeling inspections, best-before date verification, as well as label, pallet, and OCR detection, ensuring reliable data exchange throughout the entire process chain.



Technical Highlights & Benefits

- **Centralized Integration:**
 - Printers, databases, and vision systems
 - Integration without PLC
 - Standardized interfaces
 - Centralized data communication
- **Maximum Flexibility:**
 - Modular and scalable
 - ERP and MES integration
 - Custom connectors
 - Support several hundred cameras
- **Efficient Processes:**
 - Reduces intergration effort
 - low-maintainance solution
 - High performance
 - Future-proof platform
- **Transparent Data**
 - Live dashboard
 - KPI and process data
 - Custom reports
 - Web-based access