CARGO & LOGISTIC

| **Product code** | CZK-CL |
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| **Hardware Platform** | Edge: Nvidia Jetson Series, Sophgo Micro Servers  Central: Nvidia H100, L40, RTX 4000 Series, RTX 5000 Series Ada, A16, A30, Sophon AI server |
| **Operating System** | Ubuntu, MS Windows |
| **Management Interface** | Web-Based Management Software |
| **Database** | PostgreSQL |
| **Development Approach** | Microservice, containerized |
| **Frontend** | React |
| **Backend** | Python |
| **3rd party Integration** | 3rd Party API Integration  Camera Support: RTSP, ONVIF |
| **Keywords** |  |

**Specific Video Analytics Applications:**

* **Package Tracking** – Monitors movement of goods to prevent losses and theft.
* **Vehicle Access Control** – Manages vehicle entry and exit to secure logistics hubs.
* **Perimeter Security** – Detects unauthorized access in warehouses and storage areas.
* **Loading/Unloading Monitoring** – Ensures efficient cargo handling.
* **Warehouse Safety Analytics** – Detects fire, smoke, and safety rule violations.
* **Intrusion Detection** – Alerts security teams about unauthorized personnel.

**Key Benefits:**

* **Real-Time Cargo Monitoring** – Tracks packages and prevents theft.
* **Access Control & Security** – Restricts unauthorized entry into warehouses.
* **Supply Chain Optimization** – Ensures smooth loading/unloading processes.
* **Workplace Safety** – Detects hazardous behaviors and enforces compliance.