BANKING & FINANCE:

| **Product code** | CZK-BF |
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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:**

* ATM Fraud Detection – Detects skimming, forced withdrawals, and other fraudulent activities.
* Queue Management – Monitors customer wait times to improve service efficiency.
* Customer Emotion, Behavior Analysis – Tracks customer interactions for service optimization.
* Security Threat Detection – Identifies unauthorized access or suspicious activities.
* Facial Recognition for Secure Access – Enables biometric authentication for employees and VIP customers.
* Suspicious Activity Monitoring – Detects unusual transactions, loitering, or forced ATM withdrawals.

**Key Benefits:**

* **Fraud Prevention** – Detects suspicious ATM activity and identity fraud.
* **Customer Insights** – Analyzes customer behavior to improve banking services.
* **Secure Access Control** – Uses biometric authentication for restricted areas.
* **Improved Security** – Identifies potential security threats and suspicious activities.