Education:

| **Product code** | CZK-Education |
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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:**

* **Patient Fall Detection** – Monitors elderly and vulnerable patients.
* **Queue Management** – Reduces patient wait times in hospitals.
* **PPE Compliance Monitoring** – Ensures healthcare staff adhere to safety protocols.
* **Access Control with Face Recognition** – Protects restricted hospital zones.
* **Intrusion Detection** – Secures medical storage and patient areas.
* **Abnormal Behavior Detection** – Identifies distress or emergency cases.

**Key Benefits:**

* **Patient Safety** – Detects falls and ensures timely emergency response.
* **PPE Compliance** – Ensures healthcare workers follow safety protocols.
* **Queue Optimization** – Improves patient flow in hospitals and clinics.
* **Restricted Access Control** – Secures medical storage areas.