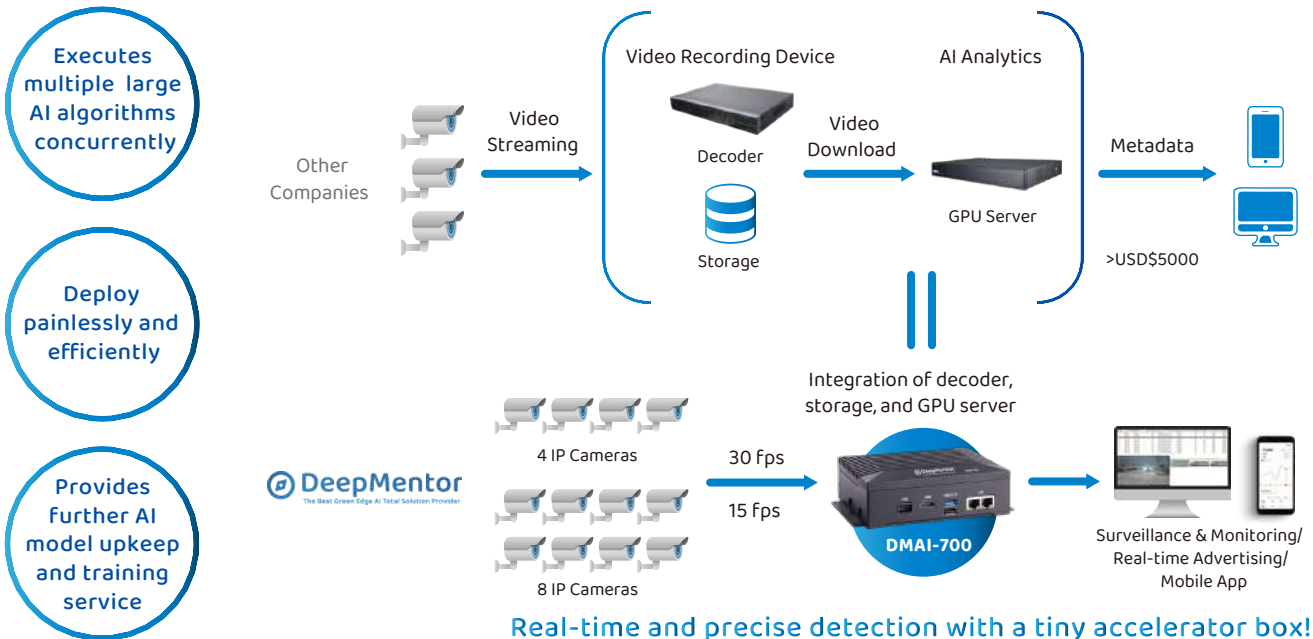


# DeepMentor Edge AI Accelerator

## AI Deployment Hardware & Software Total Solution

**DMAI-700**, a palm-sized Edge AI accelerator of DeepMentor, can perform AI operations at the edge and greatly save data transmission volume and time. Combined with DeepMentor's miniaturization technology, multiple accurate AI models can be executed simultaneously on our palm-sized device, providing the best AI performance in various fields.



DeepMentor has patented miniaturization technology, which can run large and complex algorithms on Edge AI. Therefore, no need to deal with the inaccuracies of small AI algorithms and avoid the cumbersome optimization of the algorithms.

### DeepMentor

utilizes large and professional algorithms that have high detection precision



### Other Local Devices

are limited to small AI algorithms that have low detection precision.



### Three Main Application Systems of DeepMentor



**Intelligent Traffic**

Speed detection / Traffic counting / Traffic flow tracking / Accident, congestion, parking violation warning / Vehicle classification



**Intelligent Factory**

Defect detection & classification / Abnormal noise detection / Behavior detection



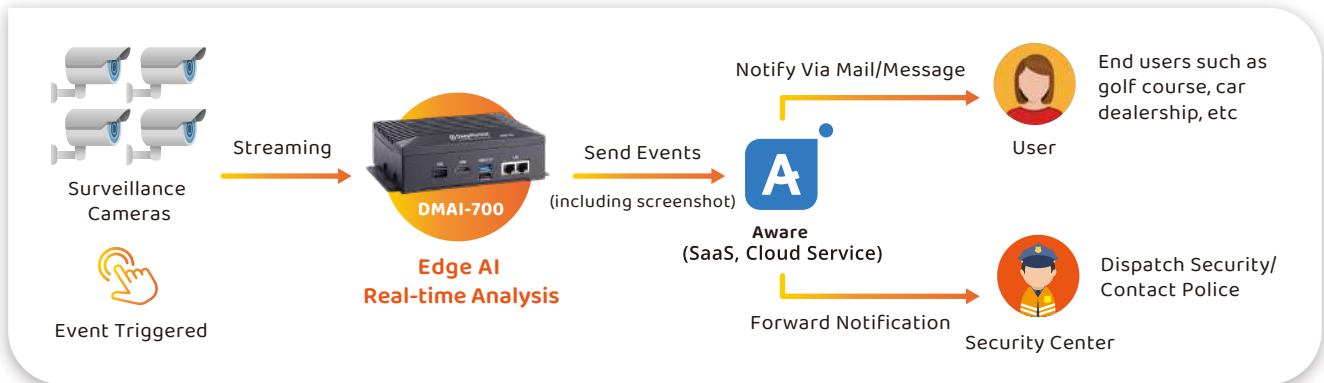
**Security Monitoring**

Geofencing / People flow hotspot / People flow tracking / Loitering detection / Parking space detection / Face recognition

# Security Monitoring System

DeepMentor provides from the facial recognition system in the office to the abnormal detention detection and early warning system in the specific area of the community building, pedestrian flow tracking and hot zone warning in department stores or large gatherings, and the real-time display of vacant parking spaces. **DMAI-700**, a palm-sized Edge AI accelerator of DeepMentor, can provide instant status reports, offering citizens a safer and more convenient smart city on the premise that their personal information is secured.

## Service Process Flow



Accurate recognition night and day from different angles

Customizable recognition settings

## Algorithms that have already undergone real-world scenario testing :

Geofencing / People flow hotspot / People flow tracking / Loitering detection / Parking space detection / Face recognition



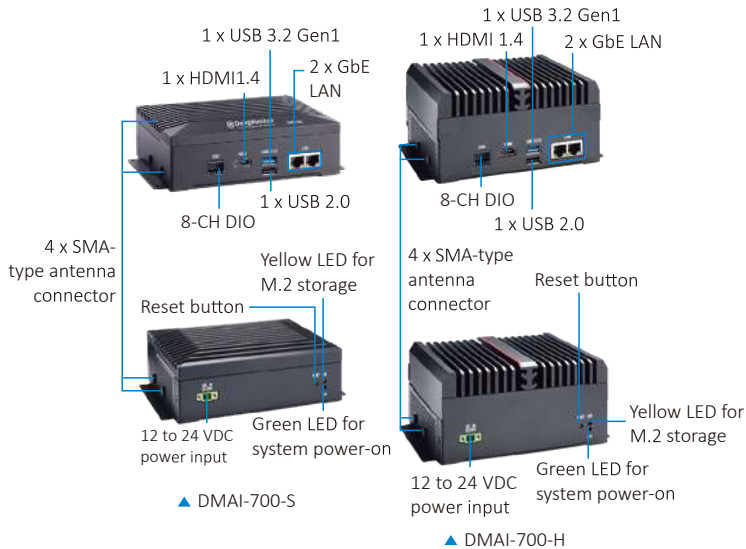


# AI

## DMAI-700

Fanless Edge AI Computer Vision System with Hailo-8™ Processor, HDMI, GbE LAN, USB 3.2, DIO, and Wi-Fi/Bluetooth/5G/LTE Wireless Connection

**HAILO**  
Empowering Intelligence



### Features

- Hailo-8™ AI processor, up to 26 TOPS
- Palm size with high AI computing performance
- Supports dual GbE LAN for cameras
- Supports Wi-Fi/Bluetooth/5G/LTE wireless connection
- Wide operating temperature from -10°C to +70°C
- Wide voltage input from 12 to 24 VDC
- Supports Windows 11 & Linux
- Ideal for edge AI smart city applications



### Specifications

|                       |  |
|-----------------------|--|
| Standard Color        | Black  |
| Construction          | Aluminum extrusion and heavy-duty steel, IP30  |
| CPU                   | Intel® Elkhart Lake processor  |
| AI Accelerator        | Hailo-8™ SoC, up to 26 TOPS  |
| System Memory         | 1 x DDR4 SO-DIMM slot, up to 32GB  |
| System I/O Outlet     | 1 x HDMI 1.4 with 4K2K supported<br>2 x 10/100/1000 Mbps Ethernet<br>1 x USB 3.2 Gen1<br>1 x USB 2.0<br>1 x 8-CH DI/DO<br>1 x 12 to 24 VDC power input<br>1 x Reset button<br>4 x SMA-type antenna connector |
| Storage               | 1 x M.2 Key B 2242 SSD slot (SATA3)  |
| Expansion Interface   | 1 x M.2 Key E 2230 for Wi-Fi/Bluetooth<br>1 x M.2 Key B 3052 for 5G<br>1 x Wafer for RS-232/485<br>1 x SIM slot  |
| System Indicator      | 1 x Green LED for system power-on<br>1 x Yellow LED for M.2 storage  |
| Power Supply          | 12 to 24 VDC   |
| Operating Temperature | -10°C to +70°C (14°F to +158°F) (H)<br>-10°C to +60°C (14°F to +140°F) (S)   |
| Humidity              | 10% - 95%, non-condensing  |
| Vibration Endurance   | 3 Grms (5 to 500Hz, X, Y, Z directions)  |
| Dimensions            | 150.0 mm (5.91") (W) x 111.0 mm (4.37") (D) x 71.7 mm (2.82") (H)<br>150.0 mm (5.91") (W) x 111.0 mm (4.37") (D) x 49.4 mm (1.94") (S)   |
| Weight (net/gross)    | 1.5 kg (3.32 lb) (H)<br>1.0 kg (2.20 lb) (S)   |
| Certifications        | CE, FCC Class A  |
| OS Support            | Windows 11 & Linux   |

### Packing List

1 x Screw pack

### Ordering Information

#### Standard

|            |   |
|------------|---|
| DMAI-700-S | Fanless edge AI system with Hailo-8 accelerator, Intel® Celeron® processor J6413, HDMI, 2 GbE LAN, 2 USB, and 8-CH DI/DO, standard heatsink |
| DMAI-700-H | Fanless edge AI system with Hailo-8 accelerator, Intel® Celeron® processor J6413, HDMI, 2 GbE LAN, 2 USB, and 8-CH DI/DO, high heatsink     |

### Optional Accessory

- Wall mount kit
- DDR4 SO-DIMM module
- M.2 SATA SSD module
- Wi-Fi/Bluetooth module
- 5G module
- LTE module
- Power adapter 12V/60W
- Power cord

\* Specifications and certifications may vary based on different requirements.

