

# Edge Computing Terminal SV-ETL-X3-EX

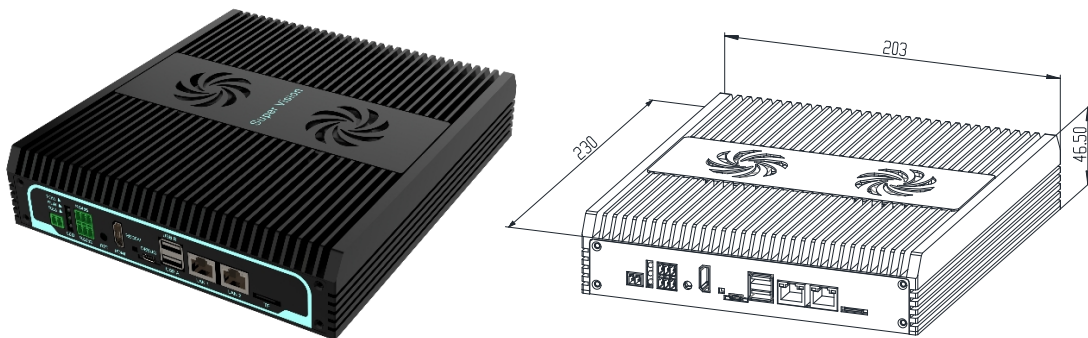
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## Product Overview

The product is equipped with a high-performance AI computing module and supports parallel access and processing of multiple video streams. It can perform real-time detection, tracking and behavior recognition of road targets including motor vehicles, non-motor vehicles and pedestrians.

It is widely deployed in scenarios such as digital intersections, vehicle-road-cloud integration, roadside parking management, traffic order control, non-motor vehicle regulation and urban governance.

## Product Appearance



## Functional Features

- Built-in deep learning-based AI edge computing module and remote control module
- Conduct video structural analysis on captured image data
- Make judgments on collected image data and upload results to the platform
- Work with surveillance cameras or general PTZ cameras to analyze object behaviors and upload data to the platform
- Support remote batch non-perceptual upgrade of device firmware and image algorithm models

## SUPER VISION

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- Enable remote batch configuration of device attributes, with cloud backup and restoration available
- Support offline time synchronization to ensure accurate system time without network connection
- Decode up to 16 channels of 1080P video or 4 channels of 4K video, and support JPEG image decoding
- Locally cache service data during network outages, and automatically resume data transmission after network recovery

## Technical Specifications

| Parameter Name                | Parameter Value                                         |
|-------------------------------|---------------------------------------------------------|
| <b>Processor</b>              |                                                         |
| CPU                           | 8-core Cortex A55 processor, max. main frequency 1.5GHz |
| Computing power               | 16.0 TOPS                                               |
| Memory/storage                | 8 GB LPDDR4X+32GB flash memory                          |
| Operating system              | UBUNTU 20.04                                            |
| <b>Interfaces</b>             |                                                         |
| Ethernet Ports                | 2 Gigabit Ethernet ports                                |
| USB ports                     | 2 USB 3.0 ports                                         |
| Serial ports                  | 1 USB debug port, 1 RS485 port                          |
| SD card slot                  | 1 TF card slot (32GB by default)                        |
| Video interface               | 1 HDMI port                                             |
| <b>General Specifications</b> |                                                         |
| Power Input                   | DC 9.6~14.4V                                            |
| Operating Temperature         | -30°C~70°C                                              |
| Humidity Resistance           | 93%±3%RH, 无冷凝                                           |
| Average Power Consumption     | ≤13W                                                    |
| Dimensions(mm)                | 203mm*230mm*46.5mm(L*W*H)                               |
| Weight                        | 2.5KG                                                   |

## Application scenarios

Intelligent transportation: digital intersections, vehicle-road-cloud integration, roadside parking management, traffic order control, non-motor vehicle regulation and urban governance.

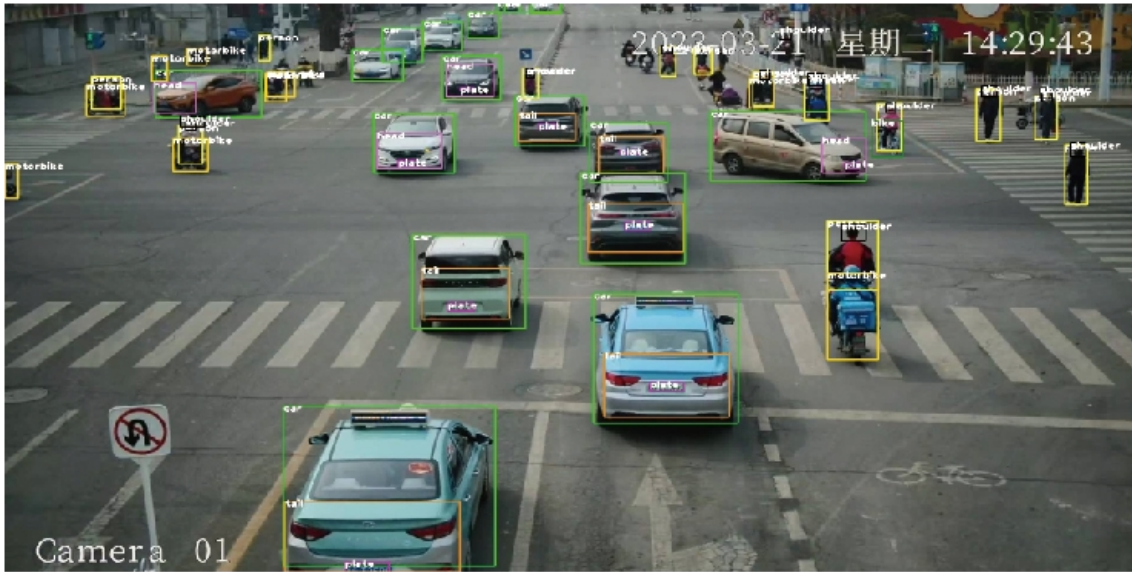
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