MYTH©

Mobile Remote Recognition Complex for Vehicles and People Based on External Features with Artificial Intelligence

AI-POWERED AUTONOMOUS UNIT
FOR REAL-TIME SURVEILLANCE
WITH SECURE DATA ACCESS

VEHICLE-MOUNTED SERVER MODULE

SCANNING... 0.1S

ACCURACY... >99%

360°

AA 1234 AB

WHERE SURVEILLANCE MEETS INTELLIGENCE

DEVELOPED IN UKRAINE
START 2025

Overview

MYTN is a compact, high-performance mobile complex equipped with a graphics processor and a video surveillance camera with 3DNR support. The system's powerful computing and graphic capabilities ensure fast recognition of objects: vehicle make, color, license plate number, human faces, as well as elements of clothing.

Key Features

- Support for up to 4 surveillance cameras operating simultaneously
- Panoramic coverage — viewing angle up to 360 degrees
- Simultaneous recognition of people and vehicles
- Recognition of objects in motion
- Effective operation in challenging weather conditions and low-light environments
- Real-time transmission of information to the situation center
- Detection of potentially dangerous objects that may monitor vehicles

Certificates

MIL-STD-810H   EN 50121-3-2   EN 62368-1   CB   c UL us LISTED   E13

VEZHA Software

A modern Ukrainian product in the field of video analytics and object recognition based on artificial intelligence and neural networks, developed by Incore Soft. The software ensures fast and accurate recognition of objects by the MYTN mobile complex, comparing the obtained information with relevant databases, which makes it possible to identify objects that are on the wanted list.

Advantages of the software

High recognition accuracy	99%
High recognition speed	0.1s

Smart integration with existing management and coordination systems

Information about the detected object is transmitted in real time to the situation center (unit control center), enabling operators to make rapid decisions in complex situations regarding the deployment of additional forces.

MYTN Complex Supply Kit

Shockproof case with a special mobile computer and surveillance camera, as well as necessary accessories for convenient mounting and connecting the main devices in a vehicle. The kit also includes the required software and a license for its use.

High-performance mobile computer

Compact size (260 × 200 × 85 mm), efficient cooling and protection system, wide operating temperature range (from -40 to +70 °C) and voltage range (from 9 to 48 V DC). The design meets the U.S. military standard MIL-STD-810H.
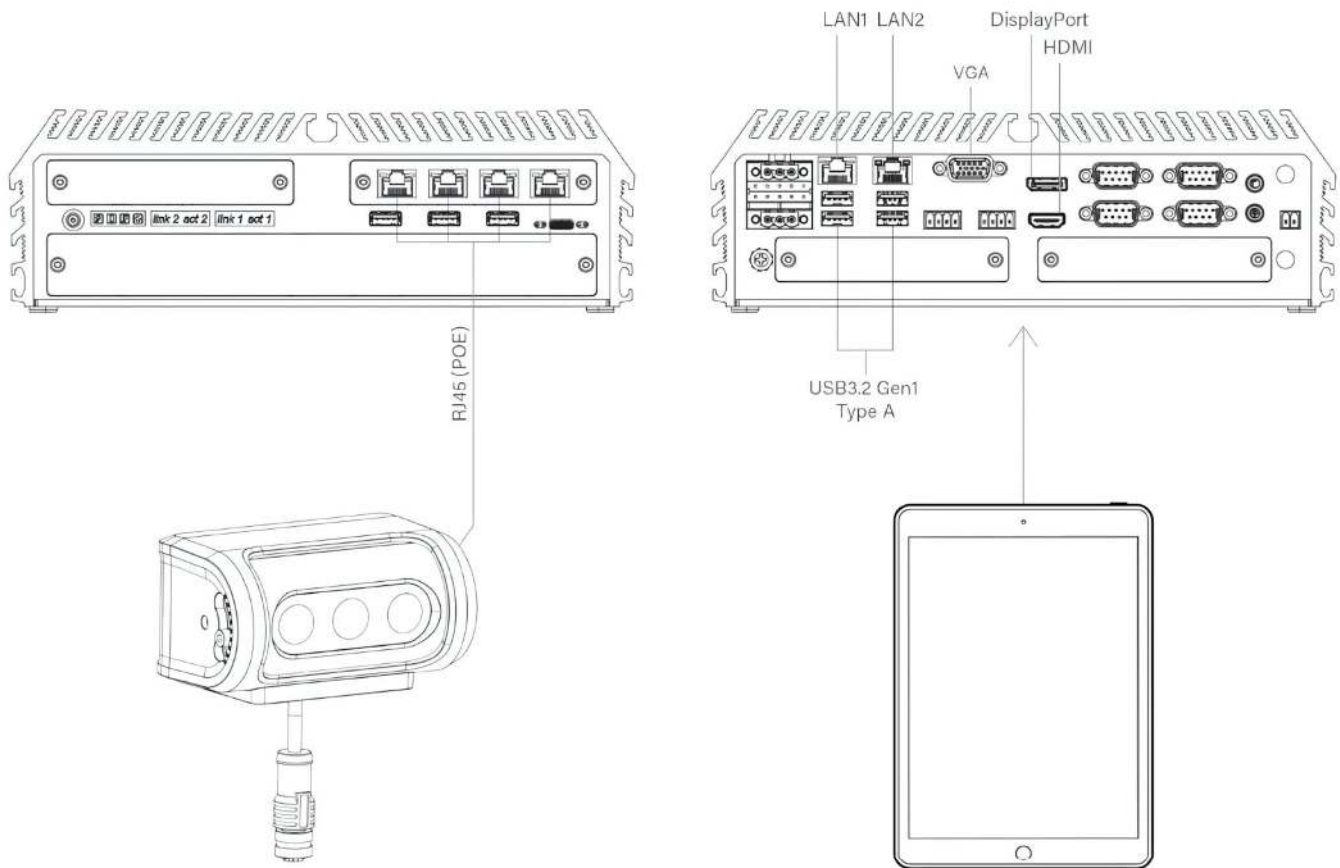

Mobile surveillance camera

Compact camera (113 × 72 × 68 mm) with infrared illumination and technologies such as 3DNR, 120 dB WDR, ensuring high-quality imaging even in challenging weather conditions and low light. It features a high level of protection: IP68, IP69K, IK10.
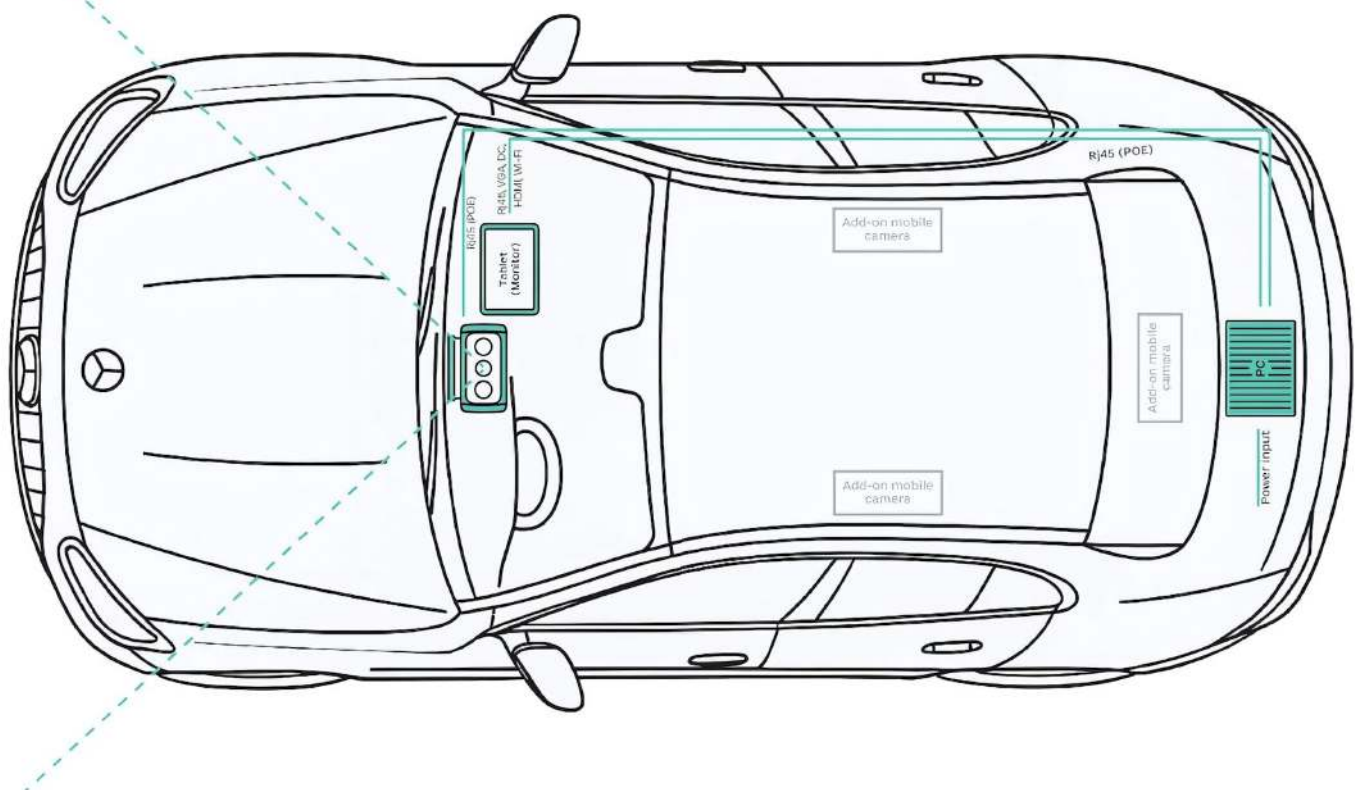
Technical Specifications

Model Name	High-performance mobile computer
Processor	Intel® Core™ i7-13700TE 16 Cores Up to 5.1 MHz
Chipset	Intel R680E
RAM	DDR5 SO-DIMM 5600 GHz 16 GB
BIOS	AMI BIOS
Graphics system	Integrated Intel® UHD Graphics 770
Outputs	Support for three independent displays: DP, HDMI, VGA
Codec	Realtek® ALC888, High Definition Audio
Outputs	Line-out, Mic-in (3.5 мм)
Network	2.5GbE, 1GbE LAN (RJ45)
COM ports	4x RS-232/422/485
USB ports	1x 20Gbps USB3.2 Gen2 x2, Type C 3x 10Gbps USB3.2 Gen2 x1, Type A 4x 5Gbps USB3.2 Gen1 x1, Type A
SSD	M.2 PCIe Gen4 x4 512 GB
RAID	Support RAID 0/1/5/10
SIM slot	2x SIM Socket
Power Ignition Sensing	Support Power Ignition Sensing Function with Delay Time Management and Selectable 12V/24V (With Optional CFM Module)
Power supply	9–48 V DC
Dimensions	260 x 200 x 85 мм
Weight	4.73 кг
Operating system	Windows® 11, Windows® 10, Ubuntu Desktop 22.04 LTS
Operating temperature range	TDP Processor: -40 °C to +70 °C
Storage temperature	-40 °C to +70 °C
Humidity	up to 95% RH @ +70 °C
Certification	ICES-003, EN 50155, E-mark, UL, cUL, CB, IEC, EN 62368-1
Electromagnetic compatibility	CISPR 32, EN 50121-3-2, EN IEC 61000-3-2 / -3-3, FCC Part 15B
Protection	EN/IEC 61000-4-2 ESD EN/IEC 61000-4-3 RS: 80 MHz to 1000 MHz: 20 V/m EN/IEC 61000-4-4 EFT: AC Power: 2 kV; Signal: 2 kV EN/IEC 61000-4-5 Surges: AC Power: 2 kV EN/IEC 61000-4-6 CS: 10 V EN/IEC 61000-4-8 PFMF: 50 Hz, 1 A/m EN/IEC 61000-4-11: просідання та переривання напруги — 0.5 циклів @ 50 Гц

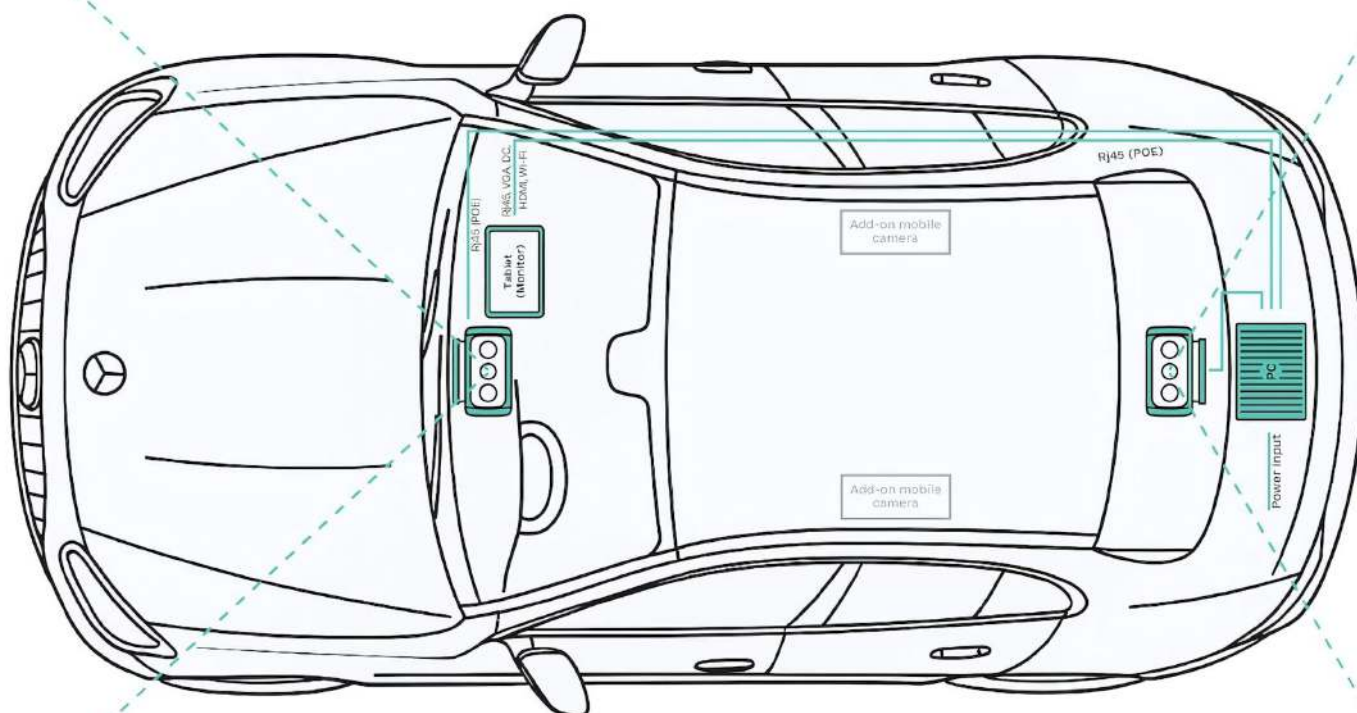| Model Name	High-performance mobile computer
Image Sensor	1/2.7" Progressive Scan CMOS
Minimum illumination	Color: 0.01 lx (F1.6, AGC on); 0 lx with IR illumination
Resolution	5 MP (2560 × 1920)
Lens mount	M12
IR Illumination	Wavelength: 850 nm, range: up to 20 m
WDR	120 дБ
Video Compression	H.265 / H.264 / Smart265 / Smart264
Network Protocols	TCP/IP, HTTP/HTTPS, FTP, DHCP, DNS, RTSP, NTP, IGMP, QoS, UDP, ONVIF, ISAPI, SDK тощо
Communication Interfaces	RJ45 (Ethernet), power supply, alarm inputs/outputs, M12, Molex
Protection	IP66, IP69K (dust and water protection), IK10 (vandal-resistant)
Power Supply	DC: 9–36 B; PoE (802.3af, 36–57 B)
Power Consumption	Up to 9 W
Housing Material	Metal
Operating Conditions	Temperature: from -30 °C to +75 °C; Humidity: up to 95%
Dimensions	113 × 72 × 68 мм
Weight	622 г ± 5 г
Certifications	CE, FCC, RoHS, WEEE, REACH, EN50155, EN45545, E-mark, CB, BIS та інші

Connection Diagram

LAN1 LAN2　　DisplayPort
　　　　　　VGA　　HDMI

RJ45 (POE)

USB3.2 Gen1
Type A

Installation diagram in a vehicle
(Option 1)

RJ45 (POE)

RJ45, VGA, DC,
HDMI, Wi-Fi

RJ45 (POE)

Tablet
(Monitor)

Add-on mobile
camera

Add-on mobile
camera

Add-on mobile
camera

PC

Power input

Installation diagram in a vehicle (Option 2)

Rj45 (POE)

Rj45 (POE)

Rj45, VGA DC, HDMI, Wi-Fi

Tablet (Monitor)

Add-on mobile camera

Add-on mobile camera

PC

Power input

Installation diagram in a vehicle (Option 3)

Rj45 (POE)

Rj45, VGA DC, HDMI, Wi-Fi

Tablet (Monitor)

Rj45 (POE)

Rj45 (POE)

PC

Power input

Україна, 2025