

About Us

Aeye Systems is transforming law enforcement with affordable, AI-powered AiLPR solutions that enhance officer safety and efficiency. With over 20 years of industry expertise, we deliver innovative, scalable technology backed by a lifetime warranty and exceptional customer support.

Revolutionary mobile AiLPR with cutting-edge, AI-driven technology that's as affordable as it is powerful. Our flagship solution, Aeye4, delivers fleetwide deployment at a fraction of the cost of competitors—without sacrificing performance or reliability.

With a lifetime warranty and unmatched support, Aeye Systems is setting a new standard for what's possible in mobile AiLPR.



Aeye4



Aeye systems

Fleet Affordable AiLPR

Aeye4: Real-Time License Plate Recognition for Safer, Smarter Patrols

At Aeye Systems, we are redefining mobile ALPR with Aeye4, a revolutionary, fleet-affordable solution built for law enforcement agencies looking to do more for less. Our AI-driven technology provides unmatched accuracy, reliability, and flexibility, ensuring your officers stay focused on protecting communities.

10x More Plate Reads Per Dollar

Aeye4 is a game-changing mobile AiLPR system designed to maximize patrol efficiency and safety. Powered by advanced AI, it delivers real-time alerts, seamless integration, and unmatched affordability—over 70% less than competitors. Durable, reliable, and easy to deploy, Aeye4 revolutionizes how law enforcement monitors and protects communities.

Secure Your Eval Unit

-  410.656.2200
-  demo@aeyesystems.com
-  Greater Washington, D.C.



Aeye4: Affordable, AI-powered AiLPR for unmatched performance
Aeye4 delivers distraction-free enforcement with
real-time ALPR detections and alerts

Designed for Law Enforcement

Aeye Systems is a disruptive force in the mobile AiLPR market, delivering AI-powered license plate recognition (LPR) solutions designed specifically for law enforcement. Founded by pioneers with over 20 years of experience in the field, our team was instrumental in shaping the AiLPR and speed camera industry, with a track record that includes engineering technology for law enforcement agencies worldwide.

Why Choose Aeye4

- **70% More Affordable:** Aeye4 costs over 70% less than other mobile ALPR systems, delivering better—performance.
- **AI-Powered Efficiency:** Automate more tasks with our cutting-edge AI, reducing officer distraction and boosting productivity.
- **Future-Proof Design:** Aeye4 is built to evolve, ensuring that your investment remains relevant as technology advances. Every system is included in our Technology Refresh Program.

Superior AiLPR

Key Features:

- Dual HD cameras
- AI-powered processing
- Real-time alerts
- Expandable to 4 cameras
- Rugged, IP68 weatherproof design
- No drill vehicle integration
- Low profile
- End-to-end encryption
- Low-light performance
- Compact, durable build
- Lifetime Warranty

For quotes and evaluation units, please contact us at info@aeyesystems.com.



AEYE4 CAMERA SPECIFICATIONS

CAMERA

CAPTURE RANGE 4FT TO INFINITY

OPTICS

RESOLUTION 30FPS@3.1 MP (2592X1944) CMOS GLOBAL SHUTTER ACTIVE
PIXEL SOLID-STATE IMAGE SENSOR

IR LED 4PCS 855NM IR LEDS

CAPTURE SPEED 180 MPH (241 KPH)

MIN. ILLUMINATION COLOR MODE: 0.1 LUX

ENVIRONMENTAL

CASE ALUMINUM

OPERATING TEMP -40 F TO 140 F (-40 C TO 65 C)

INGRESS PROTECTION IP68, NITROGEN FILLED D-WDR, DEFOG

CONNECTORS IP 68 RATED

VIDEO STREAMING

ONVIF COMPLIANT QUADRUPLE STREAMING H.265, H.264, M-JPEG VIDEO COMPRESSION, JPEG

HOUSING

SIZE ALUMINUM

COLOR MATTE BLACK

WEIGHT 1.14 LBS (520G)

SIZE 3.7 X 3.2 X 2.1 (95 X 81 X 54 MM)

ELECTRICAL

POWER CONSUMPTION 2.1 W

POWER IEEE 802.3AF, POE, 48VDC(MAX 57VDC)

CABLE MANAGEMENT

TYPE M12 SHIELDED IP68 RATED

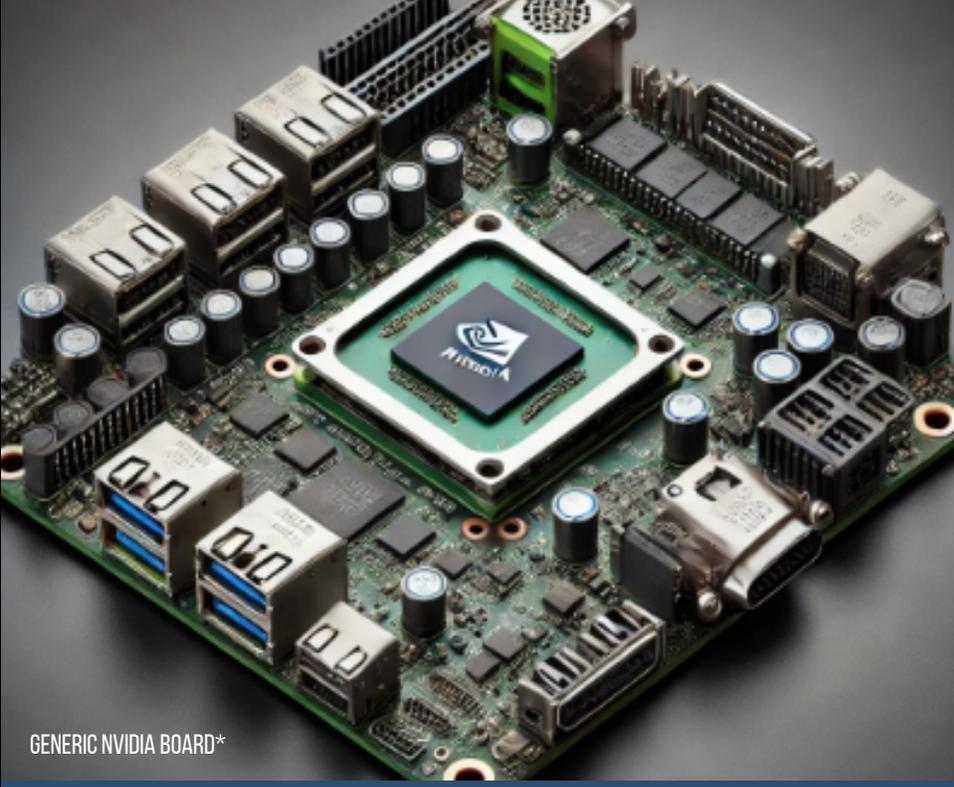
CABLE LENGTH UP TO 328 FT (100 M)

CONNECTOR X CODE 8 PIN

MISCELLANEOUS

LAN INTERFACE 10/100BASET ETHERNET AUTO SENSING

MIN. ILLUMINATION COLOR MODE: 0.1 LUX



GENERIC NVIDIA BOARD*

AEYE4 CORE SPECIFICATIONS

SYSTEM

CPU	NVIDIA ORIN NX 8-CORE ARM CORTEX
LAN CHIPSET	INTEL I210 CHIPSET
MEMORY	16GB OF LPDDR5

POWER REQUIREMENTS

POWER INPUT	12V DC
POWER PROTECTION	AUTOMATIC RECOVERY - SHORT CIRCUIT PROTECTION
POWER MANAGEMENT	REMOTE/IGNITION CONNECTION TO TOGGLE POWER
POWER OFF CONTROL	POWER OFF DELAY TIME SETTING BY BIOS AND SOFTWARE

I/O

USB PORTS	3X NATIVE USB 3.0 TYPE A
SERIAL PORT	1X UART2
LAN	GIGABIT RJ45 ETHERNET (4)
VIDEO PORT	HDMI 2.0 4K AT 60HZ (4KP60)
WIFI ADAPTER	INTEL AX200 802.11N/G/B
GPS/4G LTE	SUPPORTS DUAL NANO SIM CARDS AND LTE AND 5G

SOFTWARE

OPERATING SYSTEM	UBUNTU 20.04 LTS (64-BIT)
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GRAPHICS

GRAPHICS	6-CORE NVIDIA AMPERE GPU WITH 1,024 CUDA CORES
ACCELERATION	64 TENSOR CORES
RESOLUTION	4K AT 60HZ (4KP60)

ENVIRONMENTAL

OP/STORAGE TEMP.	-40F TO 180F (-40°C TO 80°C) INDUSTRIAL GRADE
HUMIDITY	10% TO 90% (NON-CONDENSING)
VIBRATION OP	CATEGORY 4, MIL-STD-810G, METHOD 514.6, PROCEDURAL
CERTIFICATION	CE, FCC CLASS A, E13, ROHS, REACH

MECHANICAL

ENCLOSURE	DESIGNED FOR DURABILITY, THERMAL MANAGEMENT
MATERIAL	ALUMINUM
SHOCK	MIL-STD-810G
RATING	IP67 - DUST AND WATER-RESISTANT
DIMENSION	3.3 X 4.4 X 1.2IN (90 X 115 X 30MM)
MOUNTING	CONSOLE, DIN RAIL, BRACKET, VESA

STORAGE

TYPE	NVME SSD
CAPACITY	256GB TO 2TB OR MORE, DEPENDING ON STORAGE NEEDS
INTERFACE	PCIe X4