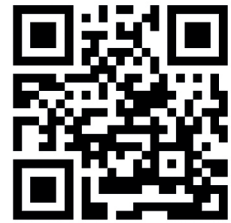


IRonEye GigE

GIGE VISION THERMALIMAGING DEVICE



Engineered for permanent outdoor deployment with military-grade durability.

Delivers an uncompressed low-latency thermal feed as a standard GigE Vision stream ideal for robotic and vehicle integration.



Key Features

640×480 or 1280×1024 resolution, with $\leq 35\text{mK}$ thermal sensitivity

Ethernet via waterproof M12 8 Pin X-Coded Connector (or similar)

GigE Vision 2.0 output, throughput approaching 1 Gbps, low latency

Power over ethernet (PoE) or alternative power supply via secondary connector

60 FPS refresh rate for smooth real time display

Waterproof and weatherproof housing, 106 × 49 × 49 mm body

IEEE 1588 Precision Time Protocol — synchronize multiple cameras and imaging devices to a network master clock with up to 1 μs precision.



Available Options

- HFOV 31°/50°/86°, others on request
- Cerakote colored housing
- Sensor resolution (VGA or SXGA)
- Connector (Push-Pull, Screw-Lock)
- Special customer requirements

h7.de/ironeye

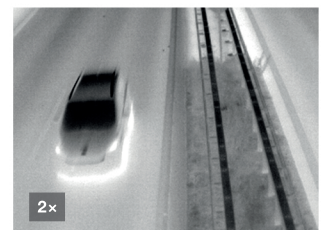
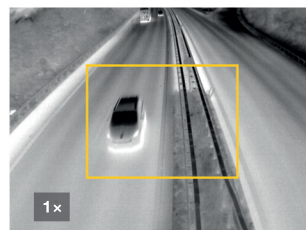
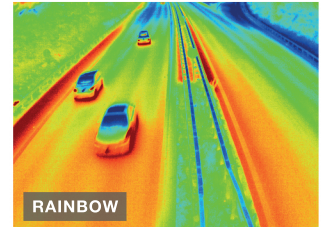
ITAR FREE

IRonEye GigE

FEATURES & APPLICATIONS

Colour palettes

White hot · Black hot · Ironbow · Rainbow · Red hot · Cold red · Cold green · Hottest · custom palettes on request

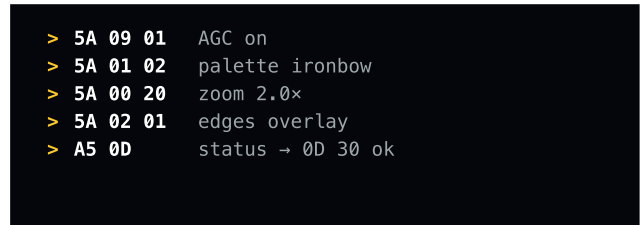


Automatic contrast (AGC)

Adjusted every frame · manual mode available

Digital zoom 1–8x

Take a closer look at a vehicle, person or drone without needing a different lens.



Edge detection

Change overlay opacity level, edge color and min, max threshold.

Simple control

Control settings via UART or Software Development Kit (SDK).

Applications

Defence

Driver vision, observation and weapon stations.

Counter-UAS

Detect and track drones, synced with radar via PTP.

Industry

Process monitoring, maintenance and fire detection.

Authorities

Border and site protection, search and rescue.

h7.de/ironeye

ITAR FREE