



Novatek, LYNRED and ViewSEC Unveil the ThermEye Hēraklēs HD Core – A Next-Generation AI-Ready Thermal Imaging Platform

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At CES 2026, **Novatek Microelectronics**, **LYNRED**, and **ViewSEC** announced the launch of the **ThermEye Hēraklēs HD Core**, the newest member of ViewSEC's ThermEye thermal-core family. The platform combines Novatek's cutting-edge AI vision SoC, LYNRED's high-resolution ATTO1280 infrared sensor, and ViewSEC's expertise in compact thermal-core integration to deliver a powerful, low-SWaP solution for industrial, automotive, UAV, robotics and security applications.

"Novatek's AI-centric SoC brings real-time edge analytics to thermal imaging, enabling smarter, faster decision-making for autonomous systems," said **Frank SF Yang**, Director of iVOT SBU, Novatek Microelectronics. "Partnering with LYNRED's world-class infrared sensor and ViewSEC's system integration expertise allows us to create a truly next-generation thermal platform."

"The ATTO1280 sensor's high-resolution, wide-FOV performance and exceptional power efficiency make it the ideal eye for AI-driven vision," noted **Nadia Souhami**, Uncooled Product Division Director, LYNRED. "Together with Novatek's processing power and ViewSEC's integration know-how, we are delivering a compact thermal solution that sets a new benchmark for edge intelligence."

"ThermEye Hēraklēs embodies the synergy of three technology leaders," added **Johnson Huang**, CEO of ViewSEC. "By uniting LYNRED's advanced infrared sensing, Novatek's AI processing, and our own modular thermal-core design, we provide a resilient, high-performance platform ready for real-world deployment."

Key Highlights of the ThermEye Hēraklēs HD Core :

- **AI-Ready Edge Processing** – Powered by Novatek's latest AI vision SoC, the platform supports real-time thermal analytics, object detection, classification and tracking directly on the device.
- **High-Resolution Infrared Sensing** – LYNRED's ATTO1280 sensor delivers superior thermal clarity and wide field-of-view coverage range detection in a compact footprint.
- **Compact, Low-SWaP Design** – ViewSEC's integration expertise results in a lightweight, power-efficient module ideal for UAVs, robotics, embedded vision and other space-constrained applications.
- **Live Demonstration at CES 2026** – The joint solution will be showcased with real-time AI thermal analytics and system design at Novatek's booth, highlighting the seamless collaboration among the three partners.

About the Partners

- **Novatek Microelectronics** – is a leading total-solution provider for Smart Imaging and Smart Display. The company is ranked 8th globally and 3rd in Taiwan among fabless IC design companies by 2024 sales — underscoring its industry standing and market momentum. Combining advanced system-on-chip (SoC) and image-signal-processor (ISP) expertise with AI-optimized vision processing, Novatek delivers end-to-end solutions for surveillance, automotive, AIoT and smart imaging applications, enabling customers to accelerate product development and deploy high-performance, energy-efficient vision systems at scale.
- **LYNRED** – With 40 years of infrared innovation, LYNRED designs and manufactures high-performance IR sensors for commercial, industrial and automotive applications, and is the leading European supplier of IR detectors for space missions.
- **ViewSEC** – A Taiwan-based vision-AI startup, ViewSEC specializes in thermal cores, multispectral imaging and edge-vision system integration, delivering ODM-ready solutions for UAVs, industrial automation and smart security.

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