

IrLugX640™: Device-ALab NEW 12 μm VGA thermal camera core

Grenoble, France - 22 December 2020 (for immediate release)

We, at Device-ALab - Europe-based specialist of high-quality uncooled infrared cores - **are pleased to introduce IrLugX640™, a VGA uncooled LWIR camera core.** This camera is part of the growing **12μm IrLugX™** family which uses proprietary **shutterless** technology.

It benefits from the advantages of the cutting-edge 12 micron sensors which are among others the lower power consumption and the small pixel pitch. This camera core also shares other assets with the Device-ALab cameras.

IrLugX™, SWAP cameras

As it is based on the new ATTO640 sensor from LYNRED™, IrLugX640™ is compact, light, low-powered and less expensive. Altogether these features make the camera a SWAP thermal camera. Available here in its USB 3.0 variant, with the Software Development Kit (SDK) and even a Graphic User Interface (GUI), it is plug & play.

Pitch-perfect for a perfect pitch

The main interest lays in the smaller pixel pitch of 12 μm which enables improved optical performances at a lower system cost.

Daravan LY, CEO, explains: *"There are a lot more optics available, capable of covering this reduced detector surface, compared to 17μm pixels detectors with the same VGA resolution. Beyond price, gain is also compacity and weight of the system. This is important especially for handheld devices and airborne applications."*

Growing family, 100% compatible with SmartIR 17μm series

This USB version is ready to be ordered. *"Other variants will also be announced shortly, opening limitless implementation,* Daravan LY continues. *This echoes to what we already support with the existing SmartIR640 and SmartIR640E."* Indeed, IrLugX™ cameras share mechanical and electronic interfaces with SmartIR series which enables a simple swap from one to another.

About us

Device-ALab is a French company specializing in infrared imaging. We excel at designing and manufacturing uncooled infrared camera cores. Our customers benefit from a high-quality client support as well as a short delivery time since our products are 100% European. Our company is structured to address small to middle volumes of standard and custom products in the following application markets: defense, security, industry, healthcare as well as leisure and smart cities.

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ILLUSTRATION WITHOUT TEXT



ILLUSTRATION WITH TEXT



12 μ m

VGA

IrLugX640