

DCS - HP

The Visible – Thermal
sensor



DCS is a configurable dual camera high performance THERMAL - VISIBLE sensor designed for an easy integration in Electro Optics systems.

Based on a multicore architecture and an integrated IMU, DCS is perfect for the implementation of dual band AI based applications like object detection, pointing and tracking.

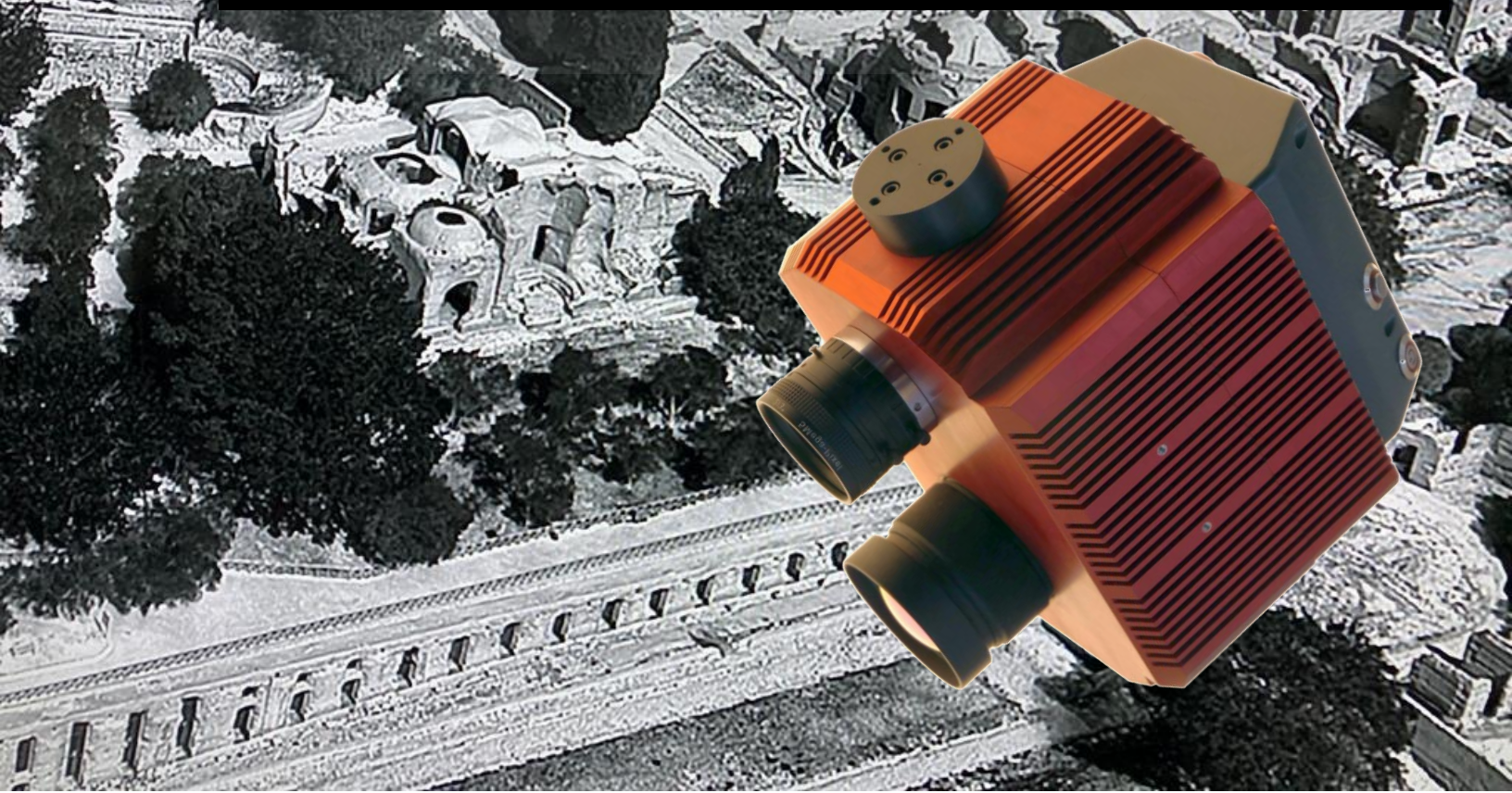
Both Thermal and Visible sensors can be customized for specific user needs.

Synchronous acquisitions with external devices are guaranteed by HW trigger channels.



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The Visible – Thermal sensor



Integrated IMU

Inertial Unit, GPS, Barometer and Magnetometer for precision position and attitude



AI

Artificial Intelligence libraries for specific applications



On Board Processing

Multicore on board GPU for real time needs



Data Recording

Recording of image and ancillary data on Solid State memory



Dual Sensor

High Performance Thermal and Visible Sensors



Image Fusion

Thermal and Visible image fusion



Custom Optics

Optics can be customized for both channels

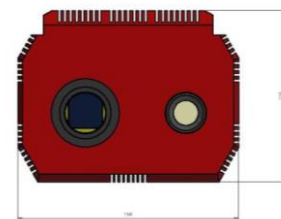


Remote Control

Fully controlled by remote links

WEIGHT	THERMAL SENSOR	VISIBLE SENSOR	ON BOARD STORAGE	POWER SUPPLY
1,3 Kg	1280x768	5Mp		12- VDC
(no lens)	16 bit 50Hz	16 bit 50Hz	4Tb	20 W

90 mm



120 mm

150 mm



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