



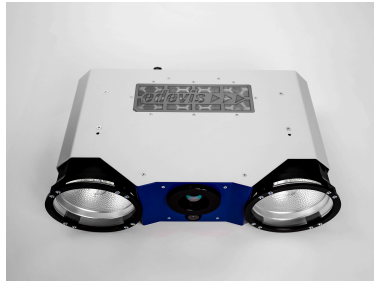
OTCAM 3600 PRO

Compact all-in-one system for mobile and automated lock-in thermography



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Bring optically excited lock-in thermography directly to the component. The OTcam 3600 PRO combines the proven OTvis inspection method with the high-performance core of the EDECAM infrared camera in one compact, fully integrated inspection head. Halogen excitation, infrared imaging and visual imaging are integrated directly into the system, enabling flexible non-destructive inspection without a complex external measurement setup.

Large areas and complex geometries can be examined within a single measurement. This makes the OTcam particularly suitable for applications requiring short cycle times as well as for the inspection of fiber-reinforced plastics in aerospace and automotive applications.

The robust lock-in technique provides reliable measurements both in production environments and during maintenance, repair and overhaul operations. Thanks to its compact design, the OTcam can also be integrated directly into robotic systems for automated inspection with high throughput.

YOUR ADVANTAGES AT A GLANCE

Fully integrated inspection system: Halogen excitation, infrared camera and VIS camera combined in one compact inspection head

Mobile inspection: Compact design for flexible use in maintenance, repair and overhaul applications

Automated inspection: Direct integration into robotic systems for repeatable inspection and high throughput

Large-area acquisition: Large inspection areas and complex geometries can be examined within a single measurement

High thermal sensitivity: Integrated EDECAM core with 640 × 480 pixels and 30 mK NETD

Fast data acquisition: Frame rates of up to 120 Hz at full sensor resolution

Integrated visual imaging: 1080p CMOS camera for visual documentation of the inspection area

Robust lock-in technology: Reliable inspection even under challenging environmental conditions

TECHNICAL INFORMATION

INSPECTION METHOD:	Optically excited lock-in thermography
INTEGRATED HALOGEN LAMPS:	2 × EHL, 2 kW each
INTEGRATED POWER CONTROLLER:	2 × 1.8 kW
HOUSING:	Compact aluminum housing
POWER SUPPLY:	230 V AC, 16 A, 50/60 Hz
SOFTWARE:	DisplayImaging Professional
IR CAMERA:	Integrated EDECAM core
IR SENSOR:	Uncooled microbolometer
IR RESOLUTION:	640 × 480 pixels
PIXEL PITCH:	17 µm
SPECTRAL RANGE:	8–14 µm
NETD:	30 mK
FRAME RATE:	120 Hz at full resolution
VIS CAMERA:	Integrated CMOS camera
VIS RESOLUTION:	1080p
VIS SENSOR SIZE:	1/2.8"
VIS PIXEL PITCH:	2.9 µm
COMPUTER:	DELL High Performance Laptop Computer
CPU:	Core Ultra 5
DISPLAY:	14" QHD
MEMORY:	16 GB RAM
STORAGE:	1 TB SSD
WEIGHT:	8.7 kg



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