

OTcam 3600 Pro - Datasheet

EDP 04.01.0010



OTcam - Mobile Inspection. Full Performance.

The OTcam is a compact, fully integrated testing unit combining the proven OTvis lock-in thermography system with the high-performance core of our EDECAM micro-bolometer camera. This all-in-one inspection head enables optically excited lock-in thermography in a single, portable device – without compromising on sensitivity or measurement quality. The OTcam is a non-contact, non-destructive testing solution ideal for characterizing fiber-reinforced plastics (FRP) in the aerospace and automotive industries. Large areas with complex geometries can be examined in a single measurement, making it particularly suited for applications where short cycle times are critical. The robust lock-in technique performs reliably even under difficult environmental conditions, making the OTcam equally effective in production environments and field maintenance operations. Its compact form factor enables direct integration onto robotic arms for automated, high-throughput inspection, as well as flexible mobile deployment in maintenance, repair, and overhaul (MRO) scenarios – bringing full NDT capability directly to the component, wherever it is.

Product		OTcam 3600 PRO
Integrated halogen lamps		2 x EHL (2 x 2 kW)
Integrated Power controller		2 x 1.8 kW
Housing		Compact metal housing
Supply		230 VAC 16 A 50/60 Hz
Software		DisplayImg Professional
Integrated IR camera		EDECAM core
Sensor resolution		640 x 480 Pixel
Sensor type		Uncooled microbolometer
Pitch		17 µm
Wavelength		8 - 14 µm
NETD		30 mK
Framerate		120 Hz in full frame
Integrated VIS camera		CMOS camera

Product		OTcam 3600 PRO
Sensor resolution		1080p
Sensor size		1/2.8"
Pitch		2.9µm
Computer		DELL High Performance Laptop Computer
CPU		Core Ultra 5
Display		14 " QHD
RAM		16 GB
SSD		1 TB
Commercial details		
Item code		EDP 04.01.0010
Country of Origin		Germany
Customs Tariff Number		90275000
Weight		8.7 kg