EAN 7332558003312 / E-NR

FLIR A655sc P/N 55001-0302

Leveres inkl. FLIR ResearchIR software

Track Temperature Changes, Stream Radiometric Images

The FLIR A55sc produces high quality, 307,200 pixel infrared images with embedded temperature readings, so you can measure any point within the scene up to 2000°C.

With its uncooled detector, high resolution, and all of the cutting-edge functionality scientists and researchers have come to expect from FLIR, the A655sc brings affordable research and science thermal imaging and measurement to a whole new level.

EXCELLENT IMAGE QUALITY
The FLIR A655sc features a 640 x 480 pixel microbolometer that detects temperature differences down to <30 mK, for accuracy at longer distances.

HIGH-SPEED STREAMING
Streams full-frame 16-bit data at 50 Hz, or up to 200 Hz with windowing, for high-speed processes.

GIGE VISION™ STANDARD COMPATIBILITY
GigE Vision allows fast image transfer using low cost standard cables up to 100 meters.

OVERVIEW

Detector Type Uncooled Microbolometer
Dynamic Range 16-bit
Mounting 1/4"-20 (on three sides), 2 x M4 (on three sides)
Packaging Size 360 x 180 x 550 mm (14.2 x 7.1 x 21.7 in.)
Power 12/24 VDC, 24 W Absolute Max.
Size [L x W x H] w/o Lens 216 × 73 × 75 mm (8.5 × 2.9 × 3.0 in)
Spectral Range 7.5 – 14.0 µm

ENVIRONMENTAL

Encapsulation IP 30 (IEC 60529)
Operating Temperature Range -15°C to 50°C (5°F to 122°F)

Optional Temperature Range Up to 2,000°C (3,632°F)
Standard Temperature Range –40°C to 150°C (–40°F to 302°F) 100°C to 650°C (212°F to 1,202°F)
Storage Temperature Range -40°C to 70°C (-40°F to 158°F)

IMAGING & OPTICAL

Available Lenses NA
Camera f-number f/1.0
Close-up Lenses/Microscopes Close-up 25 µm, 50 µm, 100 µm
Detector Pitch 17 µm
Digital Data Streaming Gigabit Ethernet (50/100/200 Hz) USB (25/50/100 Hz)
Field of View 15° × 11° (19° diagonal)
Focus Automatic or Manual (Motorized)
Frame Rate [Full Window] 50 Hz
Max Frame Rate [at Min Window] 200 Hz (640 × 120)
Resolution 640 × 480
Subwindow Modes User-Selectable 640 × 240 or 640 × 120
Digital Data Via PC Using ResearchIR Software
Time Constant <8 ms

MEASUREMENT & ANALYSIS

Accuracy ±2°C or ±2% of Reading
NETD <30 mK
Bump/Vibration 25 g (IEC 60068-2-29) / 2 g (IEC 60068-2-6)

THERMAL IMAGING

Detector Resolution 640 x 480

Tekniska Data:

Upplösning:	640x480
Kommunikation:	Ethernet
Fokus:	Auto

Tilbehör

EAN	E-NR	Produkt
5706445881062		FLIR High-Temp option A6XXsc T197896