



FLIR Si124-LD Plus

AKOESTISCHE BEELDCAMERA



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SPECIFICATIONS

FLIR Si124-LD Plus	
Acoustic measurement	124 low-noise MEMS microphones, real-time sound visualization
Dynamic range, low limit	<15 dB (frequency-dependent)
Dynamic range, high limit	>120 dB (frequency-dependent)
Bandwidth	2 kHz to 65 kHz, adjustable range
Distance	From 0.3 m (1 ft) up to 130 m (430 ft)
Automatic inputs	Automatic Frequency Filter Selection (AFFS)
	Automatic distance up to 5 m (16.45 ft)
Leak detection and quantification	Automatic leak recognition including estimated leak size and annual cost
Leak rate	In typical industrial environment: 0.011 l/min @ 3 bar from 3 m (10 ft) 0.024 l/min @ 3 bar from 10 m (33 ft) Absolute minimum detection in quiet environment: 0.004 l/min @ 1.2 bar from <1 m (3 ft)
User interface	
Display	Size: 5 in, 800 × 480 pixels Color: 24-bit RGB Brightness: 1000 cd/m ² (adjustable)
Input device	Resistive touchscreen
Power On indicator	LED (red)
Video image resolution	800 × 480
Camera FOV	62° × 49°
Video frame rate	25 fps
Acoustic image frame rate	30 fps
Zoom	2x digital zoom
Analysis and reporting	
Online	FLIR Acoustic Camera Viewer (cloud service)
Offline	FLIR Thermal Studio (desktop software)

Communication and data storage	
Data transfer	<ul style="list-style-type: none"> • Wi-Fi 2.4 GHz and 5 GHz IEEE 802.11.b/g/n/ac wireless LAN • USB memory stick
Camera software update	<ul style="list-style-type: none"> • Automatic over Wi-Fi • USB via computer
Still images	Yes
Video recording	Yes, up to 5 minutes
Storage, internal	32 GB / 1000 snapshots (typical) SD card, non-removable
Storage, external	8 GB / 500 snapshots (typical) USB mass storage, provided with device
Power supply	
Camera power input	Nominal input voltage 12 V DC Max input: 15 V DC, 2.5 A
Replaceable battery	2 Li-ion rechargeable battery packs (RRC 2040): 10.8 V DC, 3.35 Ah, 36.2 Wh Usage: more than 2 h per battery (depends on ambient conditions) Charge time: ~2 h Max output: 12.6 V DC, 4 A
Battery charger	Input: 19 to 26 V DC, 2.8 A Max output: 17.4 V DC, 4.8 A
Internal battery (only for camera backup use)	Li-ion 6 Wh
Environmental data	
Operating temperature range	-10°C to 50°C (14°F to 122°F)
Storage temperature range	-20°C to 70°C (-4°F to 158°F)
Physical data	
Camera size	315 mm × 169 mm × 160 mm (12.4 in × 6.6 in × 6.3 in)
Camera weight	1.08 kg (2.38 lb)
Battery size	85 mm × 59 mm × 22 mm (3.34 in × 2.31 in × 0.86 in)
Battery weight	0.17 kg (0.37 lb)
Total weight (camera and battery)	1.25 kg (2.76 lb)

Included in the box





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