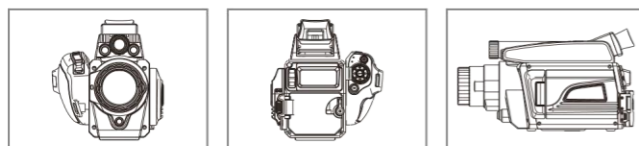


V90

Gas detection camera for Methane and other volatile gaseous Compounds



TECHNICAL SPECIFICATIONS

PERFORMANCE

Field of view	11° x 8.8°/24° x 18°
Thermal sensitivity	0.015°C at 30°C
Spatial resolution (IFOV)	0.6 / 1.31mrad
Focus	Auto / Manual
Electronic zoom function	1X-8X
Responsivity	0.001 ml/s
Image frequency	50Hz/60Hz
Detector type	Cooled detector 320×256 pixels
Spectral range	3.2~3.5 μm
Startup time	< 7 min

IMAGE PRESENTATION

CCD camera performance	Build-in 5million pixels digital camera
Output	Video output & USB2.0
External display	3.5"LCD with screen
View finder	Build-in TFT LCD with high resolution (800×600 pixels)
Palette	6 palettes

MEASUREMENT

Temperature range	-20°C~+350°C
Accuracy	±2°C or ±2% of reading
Analysis	Automatic tracking Max / with temperature data; Delta T
Emissivity correction	Variable from 0.01 to 1.0

VIDEO STORAGE

Type	Recording of 16 bit fully radiometric IR-video to SD-card
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LASER POINTER

Classification	Class 2
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IMAGE STORAGE

Removable SD-Card	32G
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BATTERY SYSTEM

Type	Li-ion, rechargeable, field replaceable
Operating time	≥2.5 hours continuous operation
Charging system	2-bay intelligent charger (Optional: External power cable)

PHYSICAL CHARACTERISTICS

Weight (Include battery)	≤2.40kg
Size (L×W×H)	292 x 148 x 138mm

ENVIRONMENTAL SPECIFICATION

Operating temperature range	-10°C ~ 40°C
Storage temperature range	-40°C ~ 70°C
Humidity	Operating and storage 10% to 95%, non-condensing
Encapsulation	IP54, IEC 529
Shock	25G, IEC 68-2-29
Vibration	2.5G, IEC 68-2-6

DETECT GASES

Type	Benzene, Ethanol, Ethylbenzene, Heptane, Hexane, Isoprene, Methanol, MEK, MIBK, Octane, Pentane, 1-Pentene, Toluene, Xylene, Butane, Ethane, Methane, Propane, Ethylene, Propylene.
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Introduction

With development of industries, many companies work intensively with chemical compounds and gases before, during and after production process. Earlier methods of gas detection are time consuming and may expose inspectors to invisible and potentially harmful chemicals using traditional sniffer and probes. SAT V90 are able to quickly visualize and pinpoint VOC gases leak in the application of petrochemical industry, oil & gas industry, refinery, rescue and fire fighting department etc. SAT gas detection camera is an extremely important tool for tracing potential faults.

3.5" LCD

High definition view finder / high resolution 3.5" LCD display

320×256 PIXELS

Cooled detector (QWIP) 320X256 pixels

<7 min

Start-up time less than 7 min with new design of core

HIGH SENSITIVITY 0.001 ml/s

Capable of detecting gas leak as small as 0.001ml/s with multi-levels high sensitive mode adjustment.

2 IN 1

Gas detection & accurate temperature measurement

REMOTE DETECTION

Inspection without shutting down inspected system

EASY TO USE

Capture images directly without light assistance and reflection background.

