

KC320

Tool level temp. measurement
handheld infrared camera



Introduction

320x240 UFPA Detector, High definition 3.5" LCD screen, Lightest handheld thermal camera with high definition.

TECHNICAL SPECIFICATIONS

IMAGING PERFORMANCE	
Field of view	24° x 18°
Min focus distance	0.3m
Spatial resolution (IFOV)	1.3mrad
Focus	Manual / Electric (Alternative)
Thermal sensitivity	0.05°C at 30°C
Image frequency	50 Hz
Electronic zoom function	1×~8×
Detector type	Focal Plane Array (FPA), uncooled
	microbolometer 320X240 pixels
Spectral range	7.5~14 μm
IMAGE PRESENTATION	
Visible image	Built in 5.0mega pixels visible camera
External display	3.5"LCD screen
Palette	8 standard palettes
MEASUREMENT	
Temperature range	-20°C~+350°C
Accuracy	±2°C or ±2% of reading
Point of measurement	Min. and Central point temp. measurement
Regional tracking	Max. temp. tracking within center box area
Emissivity correction	Variable from 0.01 to 1.0 or select from pre-defined material list
Temperature Alarm	Color alarm



VIDEO STORAGE	
Type	Recording of 16 bits full radiometric
	IR-video to SD-card
IMAGE STORAGE	
Removable SD-Card	32G
BATTERY SYSTEM	
Type	Li-ion, rechargeable replaceable
Operating time	≥5 hours continuous operation
External power supply	Power supply and charging in the same time
PHYSICAL CHARACTERISTICS	
Weight (Include battery)	≤0.66kg
Size (L×W×H)	262x97x119(mm)
ENVIRONMENTAL SPECIFICATION	
Operating temperature range	-10°C ~ 50°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
Lens (Optional)	
Field of view	48° x 36°, 12° x 9°, 8° x 6°

KC640

Tool level temp. measurement
handheldinfrared camera



Introduction

640x480 UFPA Detector, High definition 3.5" LCD screen, Lightest handheld thermal camera with high definition.

TECHNICAL SPECIFICATIONS

IMAGING PERFORMANCE	
Field of view	24° x 18°
Min focus distance	0.3m
Spatial resolution (IFOV)	0-65mrad
Focus	Manual / Electric (Alternative)
Thermal sensitivity	0.05°C at 30°C
Image frequency	50 Hz
Electronic zoom function	1×~8×
Detector type	Focal Plane Array (FPA), uncooled
	microbolometer 640X480 pixels
Spectral range	7.5~14 μm
IMAGE PRESENTATION	
Visible image	Built in 5.0mega pixels visible camera
External display	3.5"LCD screen
Palette	8 standard palettes
MEASUREMENT	
Temperature range	-20°C~+350°C
Accuracy	±2°C or ±2% of reading
Point of measurement	Min. and Central point temp. measurement
Regional tracking	Max. temp. tracking within center box area
Emissivity correction	Variable from 0.01 to 1.0 or select from pre-defined material list
Temperature Alarm	Color alarm

VIDEO STORAGE	
Type	Recording of 16 bits full radiometric
	IR-video to SD-card
IMAGE STORAGE	
Removable SD-Card	32G
BATTERY SYSTEM	
Type	Li-ion, rechargeable replaceable
Operating time	≥5 hours continuous operation
External power supply	Power supply and charging in the same time
PHYSICAL CHARACTERISTICS	
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Size (L×W×H)	262x97x119(mm)
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Operating temperature range	-10°C ~ 50°C
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Field of view	48° x 36°, 12° x 9°, 8° x 6°

