

## PRODUCT INTRODUCTION (HD44A25/HD46A25)

The Master handheld thermal imaging camera is a powerful tool that can accurately measure the temperature of high temperature targets in the environment, helping field personnel to quickly identify faults and assist in decision making to ensure safety, making it ideal for use in power, construction, electrical, mechanical and other areas where temperature measurement is required. It is the ideal tool for electric power, construction, electrical, mechanical and other fields with temperature measurement needs. Through different magnification with built-in ledger and intelligent diagnostic system, it can realise the inspection tasks and condition data analysis for electric power and manufacturing



tasks and condition data analysis for electric power and manufacturing HD44A25/HD46A25 产品图 enterprises, which is a master's choice and a professional choice.

## PRODUCT FEATURES



Multifocus mode

Automatic, continuous automatic, laser assisted, touch focus, manual and other multi-focusing methods



- Multi-method temperature measurement
  - supports hot sport, cold point, center point, 10point, 5boxes, 5circles, and 1 line temperature measurement



Portable Charging
Standby time 4H, field replaceable, rechargeable



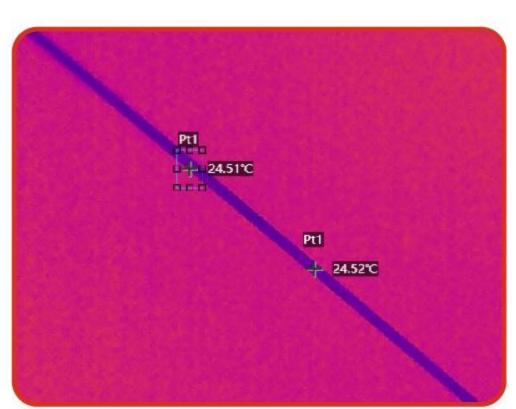
Multiple magnification
Supports expansion of 0.5X, 2X, 3X
mirrors



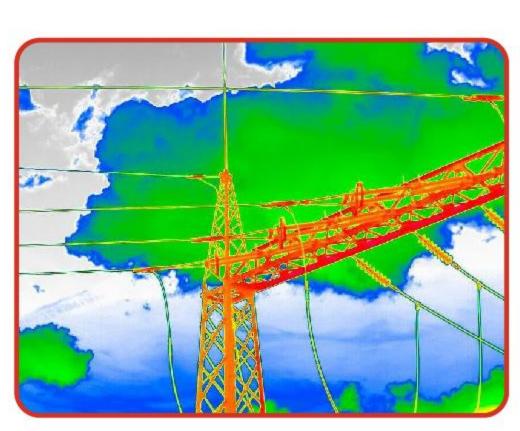
Off-line temperature measurement analysis

Image storage of full-screen temperature measurement information, support for offline temperature analysis (for use with clients)

## **APPLICATION SCENARIOS**



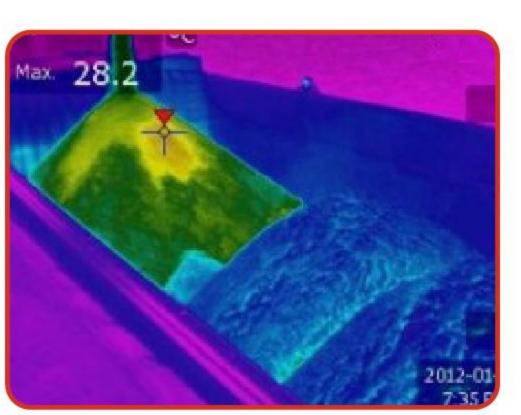
Higher education research



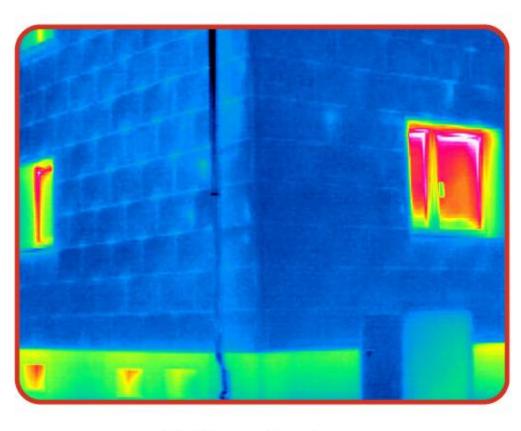
Electric power inspection



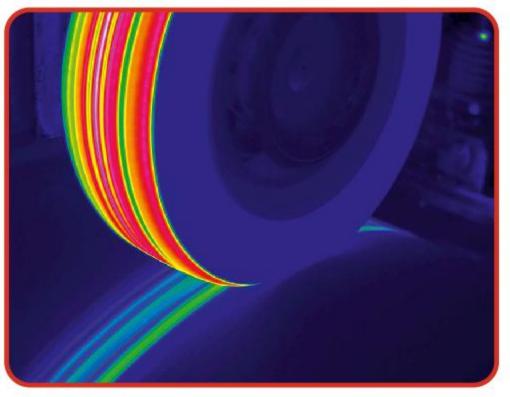
Etroleum and petrochemical



Coal metallurgy



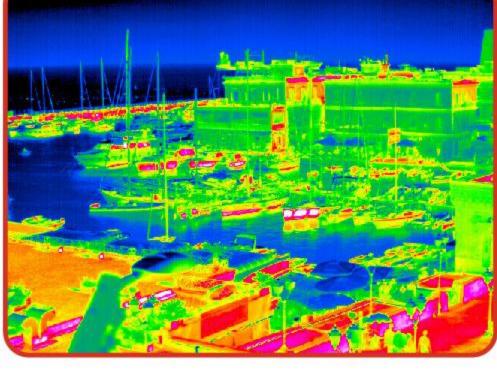
Building industry



Metro



Laser welding



Security inspection

It is suitable for higher education and scientific research, electric power transportation and inspection, petroleum and petrochemical, coal mining and metallurgy, construction industry, property inspection, insurance survey, rail transit, traditional, large machinery, high-tech, laser, die casting and other manufacturing industries.



## TECHNICAL PARAMETER

Native analysis

Voice annotation

Data storage

Thermal imaging	al Imager HD44A25	HD46A25
Sensor type	llnc	ooled detector
Detector resolution	480x360(172,800 Pixel)	640×512(327,680 Pixel)
Response band	100000(112,00011001)	7.5~14µm
	nt temperature difference)	<0.03°C(30mK)@25°C(77°F), F#=1.0
maximum image size		640×480
nfrared image resol		640×480(307,200 pixel)
Minimum imaging di		0.3m
Field of view	19°×14°	25°×19°
Lens extension	Magnifier (0.5X: 35.4°(H)x26.2°(\ 2X: 9.3°(H)x7°(V) 3X: 5.7°(H)x4.3°(V))	Magnifier (0.5X: 48.2°(H)x36°(V) 2X: 12.3°(H)x9.3°(V) 3X: 7.6°(H)x5.7°(V))
Digital zoom	support,	1.x~8.xContinuous
Frame rate		50Hz
ocus mode	Auto, Continuous Auto, L	aser Assisted, Touch Focus, Manual
-number		F1.0
Temperature measu	rement range -20°C~150°C, 0	0°C~650°C, 300°C~2000°C
Accuracy		Take the maximum value
Spatial resolution(if	ov)	0.68mrad
super resolution		ixel) support, 1280×960(1,228,800pix
ocus speed		about2s
/isible light		
Maximum image size		3264×2448
mage resolution		1600x1200
/ideo resolution		1600x1200
mage display		
	4 2 U C D	:
Monitor		ive touch screen 800×480
lmage mode	Thermal imaging, Visible ligh	nt, Fusion, Picture-in-picture, Blending
Screen display mode	Support	t linear, histogram
False color mode	White Hot, Black Hot, Rainbow,	Iron Red, Red Hot, Fusion, Rain, Blue Re
	1.00	
Minimum temperatu	re difference	2°C
Supported by manua	al agc mode High temperature focusing/low	temperature focusing/range focusing/lov
System features	Al agc mode  High temperature focusing/low  temperature	temperature focusing/range focusing/lovere humidity detection
Supported by manua Color high lights	Al agc mode  High temperature focusing/low temperature urement  Indoordist	temperature focusing/range focusing/lovere humidity detection ance: 50m Outdoor distance: 15m
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support

support (60s)