



# D Series

## Intelligent Thermographic IR Camera



### Introduce

As Guide Infrared's newly launched thermographic IR camera, D series continues Guide's tradition of offering both high-quality and innovative features. D series' highlights lies in its rugged and ergonomic design. More than that, its brief operation interface and intelligent button navigation would make the first time user feel as an expert. D series are equipped with optional lens set for different FOV requirements in different occasions. With built-in illuminator, you can easily take visible photos and compare them with IR photos, which help you find problems more easily.

### Application

Electrical equipment inspection / Medical diagnosis / Mechanical maintenance / Telecom equipment inspection / Building diagnostic / Chemical industry equipment inspection

### Features and Benefits

- 4" high light touch screen  
Adjustable brightness. Still clear under sunshine. All operation can be completed on the touch screen
- Optional Lens set  
You can choose the proper lens for different occasions
- Built-in illuminator  
Take visible photos in the low lighting environment
- Different image type  
IR, visible, MIF, PIP
- Removable SD card  
Up to 32G storage capacity for photos and videos compression storage
- Wi-Fi share  
Share IR images and findings immediately
- Connected with mobile terminal  
Connected with mobile terminal to take IR photo, to achieve multi screen control

# Specifications

	D192F	D384F	D192M	D384M	D384A
<b>Imaging Performance</b>					
IR resolution	192×144	384×288	192×144	384×288	384×288
NETD	50mk	45mk	50mk	45mk	40mk
FOV	37.8°×28.8°	28.4°×21.5°	37.8°×28.8°	28.4°×21.5°	35°×27°
Min focus distance	1m	1m	0.5m	0.5m	0.4m
Focal length	7mm/F1.1	19mm/F1.0	7mm/F1.1	19mm/F1.0	15mm/F1.1
IFOV	3.45mrad	1.29mrad	3.45mrad	1.29mrad	1.60mrad
Lens identification 镜头识别	N/A		Automatic/ Manual		N/A
Frame rate	25HZ				
Focus	Fixed		Manual		Electric/ Automatic
Digital zoom	1.1~4				
<b>Detector</b>					
Detector type	VOx/ 8~14μm				
Pixel size	25μm				
<b>Optional lens</b>					
Wide angle	N/A	N/A	N/A	57°×45°/8.8mm/F1.0/0.3m/2.65mrad	N/A
Tele	N/A	N/A	14.4°×10.8°/19mm/F1.0/1m/0.65mrad	13.7°×10.3°/40mm/F1.2/1m/0.62mrad	N/A
High temp	N/A	N/A	Yes , 650℃~1500℃	Yes , 650℃~1500℃	N/A
<b>Image Presentation</b>					
Display	4" highlight LCD touch screen, 480×800, 24 bits				
Image modes	IR image/ Visual image MIF/ PIP				
<b>Measurement</b>					
Temperature range	-20℃~350℃	-20℃~150℃ , 100℃~650℃ , 650℃~1500℃			-20℃~150℃ , 100℃~650℃
Accuracy	±2℃ or ±2% of reading for ambient temperature 15℃ to 35℃ and object temperature above 0℃				
Measurement	Spotmeter:5; Line:2; Area:5				
Auto tracking	1. Max/ Min temp spot of full screen ; 2. Max/ Min temp spot of analysis object				
Alarm	Max temp alarm; Min temp alarm				
Color Palettes	8:White Hot, Fulgurite, Iron Red, Hot Iron, Medical, Arctic, Rainbow 1, Rainbow 2				
<b>storage</b>					
Image storage	In camera and TF card, JPG with temp info				
Video format without temp info	H.264 with frame rate 25Hz ( audio signal included )				
Video format with temp info	.irgd with frame rate 25Hz ( audio signal excluded )				
Video Streaming	Yes, transferred to PC or mobile via USB or Wi-Fi				
<b>Visual Camera</b>					
Visual Camera	Resolution:5MP/ 640×480, alternative; Fixed; FOV 25°×19°				
<b>Interfaces</b>					
Data communication interface	MICRO USB 2.0, MICRO HDMI, Power(12V), TF card(Standard 16G, up to 32G) ; WiFi/Laser				
Bluetooth	N/A				Yes
<b>Power system</b>					
Battery type/Operating time	Rechargeable Li-ion battery (7.4V), ≥4h; 4h in camera, 5h in dual-bay charger; Automatic shut-down and sleeping mode				
<b>Environmental Parameters</b>					
temperature range	Operating: -10℃~50℃; Storage: -40℃~70℃				
Encapsulation	IP54				
Shock	30g 11ms ( IEC 60068-2-27 )				
Vibration	10HZ~150HZ~10HZ 0.15mm ( IEC 60068-2-6 )				
Certification	CE, FCC, ROHS				
Weight	735g	735g	840g	840g	735g
Dimensions(mm)	274×97×78	274×97×78	274×106×78	274×110×78	274×91×78

**Wuhan Guide Sensmart Tech Co.,Ltd.**

*is the subsidiary corporation of Wuhan Guide Infrared Co.,Ltd.*

No.6 Huanglongshan South Rd,Wuhan,430205,P.R.China

T +86-27-81298335

E enquiry@guide-infrared.com

**EUNIR Systems NV**

Kapeldreef 60, 3001 Leuven,  
Belgium

T +32(0)16298 498

F +32(0)16298 319

E info@eunir.com