

# Handheld Thermal Cameras Selection Guide



Series	T Series		P Series	B Series			D Series
Model	T120	T120V	P120V	B160V	B256V	B320V	D192F
IR Resolution	120x90		120x90	160x120	256x192	320x240	192x144
NETD	60mk		60mk	≤50mk			50mk
FOV	50°x38°		50°x38°	30°x22°	35°x26°	42.5°x32.5°	37.8°x28.8°
Ifov	7.6mrad		7.6mrad	3.30mrad	2.36mrad		3.45mrad
Standard Lens	2.28mm		2.28mm	3.7mm	5mm		7mm
Wide angle	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Macro lens	N/A	N/A	N/A	N/A	N/A	N/A	N/A
High temp	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Focus	Focus-free		Focus-free	Focus-free			Focus-free
Visible Camera	N/A	320x240 , Focus-free		640x480 , Focus-free			Resolution:5MP , Focus-free
Display	2.4 inch IPS technology TFT display		3.5" LCD touchscreen	3.5" highlight LCD screen, 320x240			4" highlight LCD touch screen
Image Model	IR	IR,Visible,PIP		IR, Visible,PIP, MIF			IR, Visible,PIP, MIF
Super-resolution	N/A	N/A	N/A	N/A	N/A	N/A	N/A
level span	N/A	N/A	YES	YES	YES	YES	YES
Panoramic Mosaic	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Temperature Range	-20°C-150°C , 100°C-400°C ( Auto switching )			-20°C-150°C , 100°C-650°C ( Auto switching )			-20°C~350°C
Accuracy	±2°C or ±2%, whichever is greater ( target temp ≥0°C, ambient temp is 15°C ~ 30°C )						
Measurement Spot	Center spot		1	Center spot			5
Measurement Line	N/A	N/A	N/A	N/A	N/A	N/A	2
Measurement Area	3	3	1	N/A	N/A	N/A	5
Storage	TF card ( Standard 16G)		4G	Removable SD card ( 16G )			TF card
Laser	YES	YES	N/A	N/A	N/A	N/A	YES
WIFI	N/A	YES	YES	YES	YES	YES	YES
Bluetooth	N/A	N/A	N/A	N/A	N/A	N/A	N/A



D Series				C Series			
D384F	D192M	D384M	D384A	C400M	C400	C640	C640P
384x288	192x144	384x288		384x288		640x480	640x480
45mk	50mk	45mk	40mk	40mk	45mk	40mk	30mk
28.4°x21.5°	37.8°x28.8°	28.4°x21.5°	35°x27°	21.7°x16.4°		24.6°x18.5°	
1.29mrad	3.45mrad	1.29mrad	1.60mrad	0.99mrad	0.99mrad	0.67mrad	
19mm	7mm	19mm	15mm	25mm			
N/A	19mm	8.8mm/40mm	N/A	N/A	13mm/55mm/85mm		
N/A	N/A	N/A	N/A	N/A	YES	YES	YES
N/A	YES	YES	N/A	N/A	YES	YES	YES
Focus-free	Manual		Electric/Automatic	Electric/ Automatic			
Resolution:5MP , Focus-free				Resolution:5MP , Focus-free			
4" highlight LCD touch screen				5",1280x720 High Light Touch Screen			
IR, Visible,PIP, MIF				IR, Visible,PIP, MIF			
YES	N/A	YES	N/A	N/A	YES	YES	YES
YES	YES	YES	YES	YES	YES	YES	YES
N/A	N/A	YES	YES	N/A	YES	N/A	YES
-20°C~350°C	-20°C~150°C , 100°C~650°C , 650°C~1500°C(High temp lens is optional)		-20°C~150°C, 100°C~650°C	20°C~60°C	-20°C~150°C,150°C~800°C,可选2000°C		
±2°C or ±2%, whichever is greater ( target temp ≥0°C, ambient temp is 15°C ~ 30°C )				≤±0.4°C(32°C-38°C)	±2°C~±2%		Filter 1:±1°C~±1%; Filter 2:±2°C~±2%
5				5	8	10	
2				5	8	10	
5				5	8	10	
TF card ( Standard 16G, up to 32G)				SD card 16G (up to 32G)			
YES	YES	YES	YES	YES	YES	YES	YES
YES	YES	YES	YES	YES	YES	YES	YES
N/A	N/A	N/A	YES	N/A	N/A	N/A	YES