

Thermal Image Camera

HT821A/AS/HT821B/CS

Function	HT821A	HT821As	HT821B	HT821Cs
Screen Size	2.8 inches	2.8 inches	2.8 inches	2.8 inches
Image Mode	Infrared	Infrared Light + Visible Light	Infrared Light + Visible Light	Infrared Light + Visible Light
Infrared Camera Resolution	96*96	96*96	120*90	256*192
Visible Light Camera Resolution	X	30M pixels	X	30M pixels
Super	240x240	320 x 240	320 x 240	320 x 240
Spectral Range	8~14 μm	8~14 μm	8~14um	8~14 μm
Frame Rate	25	25	25	25
NETD (Noise Equivalent Temperature Difference)	≤40 mK(@25 °C,F#1.0)	≤40 mK(@25 °C,F#1.0)	60mK@25°C	≤40 mK(@25 °C,F#1.0)
Field of View (FOV)	50° × 37.2°	50° × 37.2°	38°X50°	50° × 37.2°
Lens	Thermal Imaging Lens, f=3.2mm	Thermal Imaging Lens, f=3.2mm	Thermal Imaging Lens, f=2.3mm	Thermal Imaging Lens, f=3.5mm
Temperature Measurement Range	Low Temperature: -20°C to 150°C High Temperature: 120°C to 550°C	Low Temperature: -20°C to 150°C High Temperature: 120°C to 550°C	Low Temperature: -20°C to 150°C High Temperature: 120°C to 400°C	Low Temperature: -20°C to 150°C High Temperature: 120°C to 550°C
Temperature Measurement Accuracy	±2°C or ±2% of the reading (whichever is greater)	±2°C or ±2% of the reading (whichever is greater)	±2°C or ±2% of the reading (whichever is greater)	±2°C or ±2% of the reading (whichever is greater)
Temperature Measurement	Temperature measurement of the highest point, lowest point, center point, and specific regions across the entire screen.	Temperature measurement of the highest point, lowest point, center point, and specific regions across the entire screen.	Temperature measurement of the highest point, lowest point, center point, and specific regions across the entire screen.	Temperature measurement of the highest point, lowest point, center point, and specific regions across the entire screen.
Distance Compensation	✓	✓	✓	✓
Color Palette	Iron Red White Hot Black Hot Rainbow Red Hot High Contrast Green Hot Lava	Iron Red White Hot Black Hot Rainbow Red Hot High Contrast Green Hot Lava	Iron Red White Hot Black Hot Rainbow Red Hot High Contrast Green Hot Lava	Iron Red White Hot Black Hot Rainbow Red Hot High Contrast Green Hot Lava
Language	12	12	12	12
Interface	USB Type-C(Supports charging and data transfer)	USB Type-C(Supports charging and data transfer)	USB Type-C(Supports charging and data transfer)	USB Type-C(Supports charging and data transfer)
Battery	2600mAh lithium battery	2600mAh lithium battery	2600mAh lithium battery	2600mAh lithium battery
Operating Time	4h	4h	4h	4h
Operating Temperature	-10°C~+60°C	-10°C~+60°C	-10°C~+60°C	-10°C~+60°C
Storage Temperature	-40°C~+85°C	-40°C~+85°C	-40°C~+85°C	-40°C~+85°C
LED	✓	X	✓	X
Storage Capacity	8G or 16G	8G or 16G	8G	8G or 16G
Image Storage Format	JPG	JPG	JPG	JPG
Video Recording Format	MP4	MP4	MP4	MP4
Macro	X	X	✓	X



One Camera

Two Camera