

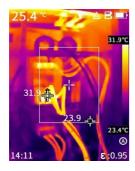
## Introduction

EasIR Series tool-like thermal camera offer multiple configuration options. It adopts the new real-time IR-Perfclear technology to enhance the details and reduce noise of the image and present a clearer image in real time. New 3.5-inch screen model: 650° C extended temperature range, 30Hz frame rate, better for industrial inspection. Equipped with a series of professional functions such as 2MP visible light camera, video streaming and recording, WIFI, and OTA upgrade, etc., EasIR Series brings a clearer, more powerful and smoother work experience for users.

## **Features**

- High-sensitive infrared detector, resolution 120x90/256x192/384x288
- Real-time IR-Perfclear technology, 4 times better image quality
- -20°C~550°C wide temperature measurement range, automatic switch
- Video streaming, real-time data transmission with PC analysis software
- OTA firmware upgrade to keep the device up-to-date
- The new model features a 3.5-inch display and supports fast charging.

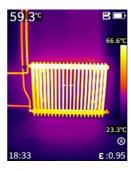
## **Applications**



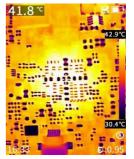
**Electrical Application** 



Facilities maintenance



**HVAC Inspection** 



PCBA detection

## **Specifications**













Desictor by   Section	Product model	E1	E1+	E2	E2+	<b>E</b> 3	E4	
Marce   Mar	Imaging and opti	cs						
Super resolution	Detector type							
NETD	Infrared resolution	120×90	@17μm	256×192@12μm			384×288@12µm	
Frome rate   2.28mm	Super resolution	Yes, Upgrade to 240×180		Yes, Upgrade to 512×3		384		
Focal length	NETD	60mK		45mK		30mK	25mK	
Field of view	Frame rate		25Hz	/9Hz		30Hz/9Hz		
FOV	Focal length	2.28mm		3.2mm	7mm	3.2mm	7mm	
Min. object   District   Distr	Field of view	50°	<38°	56°×48°	25°×19°	56°×42°	37°×28°	
Discription	IFOV	7.46mrad		3.75mrad	1.71mrad	3.75mrad	1.71mrad	
D.S.   130:1   266:1   585:1   266:1   583:1		0.1m				0.3m		
Measurement and analysis         Support auto-switching: -20°C to 150°C, 0°C to 550°C         Support auto-switching: -20°C to 150°C, 0°C to 1		130:1		266:1	585:1	266:1	583:1	
Measurement range         Support auto-switching: -20°C to 150°C, 0°C to 550°C         Support auto-subching: -20°C to 150°C, 0°C to 150°C, 0°	Focusing mode	Focus-free			Automatic	Fo	ocus-free	
Support auto-switching: -20"C to 150"C, 0"C to 550"C   Switching: -20"C to 150"C, 0"C to 650"C to 150"C, 0"C to 150"C, 0"C to 650"C to 650"C to 650"C to 150"C, 0"C to 650"C to 150"C, 0"C to 650"C to 650"C to 150"C, 0"C to 650"C to 650"C to 150"C, 0"C to 150"C, 0"C to 150"C to 150"C, 0"C to 150"C to 150"C, 0"C to 150"C to 150"C, 0"C to 150"C,	3							
Analyzed target  Analyzed target  Analyzed target  Full Screen temperature threshold alarm (image (alternative)  Image display  Display screen  Image mode  Service Service Service Service Service Service Analyzed target  Display screen  Image mode  Service Serv	Measurement	Support auto-switching: -20°C to 150°C, 0°C to 550°C switching -20°C to 150°C					switching: -20°C to 150°C, 0°C to	
Full screen temperature threshold alarm (image alfaplay)           Display screen         2.4" LCD         3.5" LCD , 640×480           Display screen         2.4" LCD         3.5" LCD , 640×480           Image mode         IR, VIS, MIF, PIP           Color palettes         6: Iron Red, White Hot, Arctic, Rainbow 2, Hot Iron, Rainbow 1           Image adjustment         Level span mode: Automatic, Semi-automatic, Manual           Digital came         2MP           Functions           Laser         Laser Indication           Recording function         Photo and Video           Storage and transmission           Storage and transmission           Storage media         Built-in (16 GB)         Built-in (32 GB)           Image storage         Oligo with temp info           Video storage format in Irgd (with temp info)         Supports real-time video streaming, video storage format in Irgd (with temp info)         Image storage and transmission           External interface         USB-C, Tripod socket           WIFG         Yes, it can be connected to the mobile terminal for image and real-time video tra								
Display screen   2.4" LCD   3.5" LCD , 640×480     Image mode	Analyzed target	Center spot; Three Fixed Areas: Small, Medium, Large (Alternative)						
Display screen   2.4" LO   3.5" LCD   640×480     Image mode   IR, VIS, MIF, PIP	Alarm	Full screen temperature threshold alarm (image and flash)						
Image mode Color palettes Color pal	Image display							
Color palettes   G: Iron Red, White Hot, Arctic, Rainbow 2, Hot Iron, Rainbow 1   Image adjustment   Level span mode: Automatic, Semi-automatic, Manual   Digital camera   ZMP	Display screen	2.4" LCD			3.5" LCD , 640×480			
Manga adjustment   Digital camera   2MP	Image mode	IR, VIS, MIF, PIP						
Digital camera         Supprinted Service Ser	Color palettes	6: Iron Red, White Hot, Arctic, Rainbow 2, Hot Iron, Rainbow 1						
Functions           Laser         Laser Indication           Recording function           Storage and transmission           Storage media         Built-in GB)         Suilt-in GB)         Built-in GB)         Suilt-in GB)         S	Image adjustment	Level span mode: Automatic, Semi-automatic, Manual						
Laser Indication           Recording function         Photo and Video           Storage and transmission           Storage media         Built-in GB)         Supports a Built-in GB Built-in GB Built-in Fig         Wideo storage format in Irgd (with temp info)         Wideo storage format in Irgd (with temp info)         Stetenal interface         VIGEO Stetenal Fig         Supports a Built-in Fig         Supports a Built-in Fig         Supports a Built-in Fig         Wideo storage format in Irgd (with temp info)         Well temp info         Supports and real-time pinfo wildeo storage format in Irgd (with temp info)         Stere in Fig         Ste	Digital camera	2MP						
Recording function         Photo and Video           Storage and transmission           Storage media         Built-in (16 GB)         Built-in (32 GB)           Image storage         Video storage format in Irgd (with temp info)           Video storage format in Irgd (with temp info)         USB-C, Tripod socket           WIFI         / Yes, it can be onected to the mobile terminal for image and real-time transmission           Power system           Battery type         Rechargeable lithium-ion battery, non-revoable           Operating time         8 hours         11 hours         12 hours         10 hours           Environmental parameters           Working temperature         IP54           Drop         2m drop test           Physical parameters           Image: Physical parameters           Physical parameters           Image: Physical parameters           Image: Physical parameters           Physical parameters           Image: Physical parameters           Physical parameters           Image: Physical parameters <td colspan="8">Functions</td>	Functions							
Storage and transission  Storage media Built-in (16 GB) Built-in (32 GB)  Image storage  Video storage Video stora	Laser	Laser Indication						
Storage media       Built-in (16 GB)       JPG with temp info         Video storage format in Irgd (with temp info)       Colspan="3">Col	Recording function	Photo and Video						
Image storage       JPG with temp info         Video storage format in Irgd (with temp info)       Supports real-time video streaming, video storage format in Irgd (with temp info)         External interface       USB-C, Tripod socket         WIFI       / Yes, it can be connected to the mobile terminal for image and real-time video transmission         Power system         Battery type       Rechargeable lithium-ion battery, non-rewable         Operating time       8 hours       11 hours       12 hours       10 hours         Environmental parameters         Working temperature       IP54         Drop       2m drop test         Physical parameters         Illuminator         Weight       355g       375g       450g       460g         Size       194×61.5×76mm       228×81×77.5mm         Software kit       PC: ThermoTools       PC: ThermoTools; Mobile: Thermography (iOS/Android)         Software kit       PC: ThermoTools       PC: ThermoTools yard card, Quick Start Guide, Warranty card	Storage and transmission							
Video storage format in Irgd (with temp info)       Supports real-time video streaming, video storage format in Irgd (with temp info)         External interface       USB-C, Tripod socket         WIFI       / Yes, it can be connected to the mobile terminal for image and real-time video transmission         Power system         Battery type       Re-bargeable lithium-ion battery, non-re-worable         Operating time       8 hours       10 hours         Environmental parameters         Working temperature       IP54         Drop       2 m drop test         Physical parameters         Hardware       Illuminator         Weight       355       375g       450g       460g         Size       194×61.5×76mm       228×81×77.5mm         Software kit       PC: ThermoTools       PC: ThermoTools; Mobile: Thermography (iOS/Android)         Standard       A device, Carrying bag (Only E3/E4 have) , Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Data download card, Quick Start Guide, War-arty card	Storage media	Built-in (16 GB)				Built-in (32 GB)		
Video storage       format in Irgd (with temp info)       Supports real-time video streaming, video storage format in Irgd (with temp info)         External interface       USB-C, Tripod socket         WIFI       /       Yes, it can be connected to the mobile terminal for image and real-time video transmission         Power system         Battery type       Rechargeable lithium-ion battery, non-removable         Operating time       8 hours       10 hours         Environmental parameters         Working temperature       IP54         Drop       2m drop test         Physical parameters         Hardware       Illuminator         Weight       375g       450g       460g         Size       194×61.5×76mm       228×81×77.5mm         Software kit       PC: ThermoTools       PC: ThermoTools; Mobile: Thermography (iOS/Android)         Standard       A device, Carrying bag (Only E3/E4 have) , Wrist strap, Power adapter, Adapter plug, USB-A USB-C cable, Data download card, Quick Start Guide, Warrahty card	Image storage	'						
WIFI       / Yes, it can be connected to the mobile terminal for image and real-time video transmission         Power system         Battery type       Rechargeable lithium-ion battery, non-removable         Operating time       8 hours       11 hours       12 hours       10 hours         Environmental parameters         Working temperature       -15°C to 50°C         IP rating       IP54         Drop       2m drop test         Physical parameters         Hardware       Illuminator         Weight       355g       375g       450g       460g         Size       194×61.5×76mm       228×81×77.5mm         Software kit       PC: ThermoTools       PC: ThermoTools; Mobile: Thermography (iOS/Android)         Standard       A device, Carrying bag (Only E3/E4 have) , Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Data download card, Quick Start Guide, Warranty card	Video storage	format in Irgd Supports real-time video streaming, video storage format in Irgd (with temp info)						
Power system           Battery type         Rechargeable lithium-ion battery, non-revoable           Operating time         8 hours         11 hours         12 hours         10 hours           Environmental parameters           Working temperature           IP5°C to 50°C           IP54           Drop         2m drop test         President of the parameters           Physical parameters           Hardware         Illuminator           Weight         35 g         375g         450g         460g           Size         194×61.5×76mm         228×81×77.5mm           Software kit         PC: ThermoTools         PC: ThermoTools; Mobile: Thermography (iOS/Android)           Standard         A device, Carrying bag (Only E3/E4 have), Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Data download card, Quick Start Guide, Warranty card	External interface	USB-C, Tripod socket						
Battery type Rechargeable lithium-ion battery, non-removable   Operating time 8 hours 11 hours 12 hours 10 hours   Environmental parameters   Working temperature -15°C to 50°C -15°C to 50°C   IP rating IP 54 -15°C to 50°C   Drop 2m drop test -15°C to 50°C   Physical parameters   Hardware Illuminator   Weight 35 √s 375g 450g 460g   Size 194×61.5×76mm 228×81×77.5mm   Software kit PC: ThermoTools PC: ThermoTools; Mobile: Thermography (iOS/Android)   Standard A device, Carrying bag (Only E3/E4 have), Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Data download card, Quick Start Guide, Warranty card	WIFI	/ Yes, it can be connected to the mobile terminal for image and real-time video transmission						
Operating time     8 hours     11 hours     12 hours     10 hours       Environmental parameters       Working temperature temperature     -15°C to 50°C     -15°C to 50°C       IP rating     IP54       Drop     2m drop test       Physical parameters       Hardware     Illuminator       Weight     355g     375g     450g     460g       Size     194×61.5×76mm     228×81×77.5mm       Software kit     PC: ThermoTools     PC: ThermoTools; Mobile: Thermography (iOS/Android)       Standard     A device, Carrying bag (Only E3/E4 have) , Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Data download card, Quick Start Guide, Warranty card	Power system							
September   Sept	Battery type	Rechargeable lithium-ion battery, non-removable						
Working temperature -15°C to 50°C   IP rating IP54   Drop 2m drop test   Physical parameters   Hardware Illuminator   Weight 355g 375g 450g 460g   Size 194×61.5×76mm 228×81×77.5mm   Software kit PC: ThermoTools PC: ThermoTools; Mobile: Thermography (iOS/Android)   Standard A device, Carrying bag (Only E3/E4 have) , Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Data download card, Quick Start Guide, Warranty card	Operating time	8 hours 11 hours			ours	12 hours	10 hours	
temperature IP rating IP54  Drop 2m drop test  Physical parameters  Hardware Weight 355 375g 450g 460g Size 194×61.5×76mm 228×81×77.5mm  Software kit PC: ThermoTools PC: ThermoTools; Mobile: Thermography (iOS/Android) Standard A device, Carrying bag (Only E3/E4 have) , Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Data download card, Quick Start Guide, Warranty card		rameters						
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Standard A device, Carrying bag (Only E3/E4 have), Wrist strap, Power adapter, Adapter plug, USB-A to USB-C cable, Data download card, Quick Start Guide, Warranty card		PC: ThermoTools			ls; Mobile: Thermo			
	Options	Macro lenses (10x/5x), Tripod						

<sup>\*</sup> Product performance is based on testing in a controlled laboratory environment. Your test results may vary due to several external and environmental factors.

All specifications are subject to the actual product. The manufacturer reserves the right to modify technical specifications without notice or liability to you.