Al Binocular Thermal Imaging System Quick Instruction Manual



Version: V1.0

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1.Product Introduction

1.1 Product Description

This Intelligent AI binocular thermal imaging system is composed of AI binocular temperature detecting camera and AI thermal imaging screening system. Integrated by thermal temperature detecting sensor of high-accuracy, built-in intelligent face capture algorithm, and ISP image processing technology etc, this device is with face detection, temperature detection and face capture, etc powerful features. With AI thermal imaging screening system, it can accurately detecting the body temperature, capturing face pic and records for those people appeared in front of this device. It can effectively help to monitor and detect the body temperature of entry and exit people ,thus contributing to prevent epidemic situation. It can be widely used at all kinds of entrances and exits of school, buildings, stations, etc.



1.2Product Appearance

1.3 Device Interface Function Definition

Interface No.	Interface Name	Functional Indicators
1	Power Interface	12VDC
2	Network Interface	RJ45 Network Interface
3	Relay Interface	+: NO Normally Open Port

		-: COM Public Port
		1: Audio Input
	Audio Interface	2: Audio Ground
4	Audio Internace	3: Audio Output
		4: Empty

2. Device Installation

2.1 Installation Position

1.Camera being set in front of the aisle to capture the face;

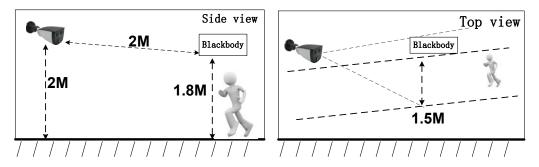
2. Suggested installation height is about 2 meters, and camera overlook view angle 0~15°;

3.For accurate detection of body temperature,1 meters(Range 1m to 2.5m)distance are tested for the optimum capture distance.

2.2I nstallation Environment Standard

1.Illumination Requirements: No backlight, no obviously reflect light on face, uniform light and no shadow. In addition, to ensure the enough illumination of the scene when capturing the face, it is suggested to increase the lighting devices if the face in the display is not bright enough which may effect the face capture(General 250~800Lux).

2.Light and Wind Requirements: This Device is suggested to be installed indoor, ensuring there is no wind between device and people, no direct sunlight, so as to avoid the detected temperature too low or too high caused by blowing ,cooling and direct sunlight.



3. Quick Instructions

3.1 Device Connection

Connect the device to the computer correctly through network cable; After the device powered on, open the search tool on the computer,s earch device IP address. User can also modify the IP address by search tool at the same time.

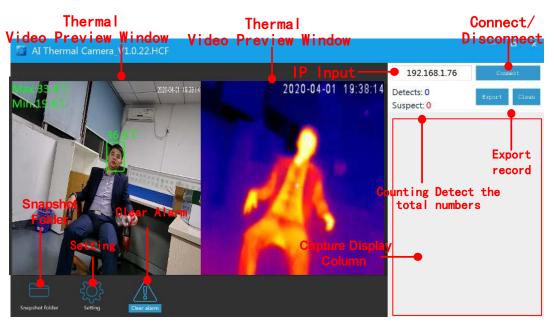
Device Bro	wse Device upg	rades Device para	meters derived							
number	Device type	Product Info	IP address	Subnet mask	gateway	Video port	Http port	RTSP port	MAC Address	Soft
0	₽C	IPA-D182A8A	192, 168, 1, 18	255.255.255.0	192, 168, 1, 1	90	80	554	00-2A-2A-52-45-3E	
-				. m						-
Equipment	nformation								search	
MAC Add	ess:		Equipment ne	twork information		Equipment part	t information		Concentration of the local division of the l	
Vertfication	Code:		Device IP:			Video port:				
		Get	Gateway:			rtsp port:	1			
Authorizati	an code:	Guideling	Subnet mask			http port:				
		Clear Passwords	Modify ne	twork		Modify the pr	wt			

Notice: Default device IP address is 192.168.1.18.

3.2 AI Thermal Imaging Screening Sytem

After device powered on, user can use AI thermal imaging screening system software to connect device, preview, setting, alarm clean, snapshot pic preview, export records, etc operation.

3.2.1 Main Interface Introduction



【Video Preview Window】: After device connected, user can view double screen(optical and thermal imaging)for real-time preview as above pic shows;

[IP Input Box] : Input device's IP address. The device default IP address is 192.168.1.18;

【 Connect/Disconnect Device Button 】: Click 【 Connect 】 to view the real-time display, facecapture pic and temperature detecting. Click 【 Disconect 】 to

close the preview;

[Capture Display Column] : List the current captured face pic and detecting temperature; •

[Snapshot Folder] : Click the snapshot folder to check saved captured face;

[Setting] : Click to modify the settings for face capture and temperature detecting alarm;

[Clear Alarm] : After click, the alarm will be canceled;

[Detects] : Counting the total numbers of face capture and shows;

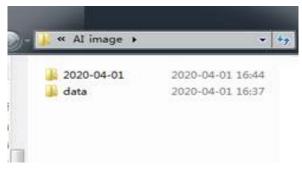
[Suspect **]** : Counting the total number of face capture for those above high temperature limit setting and shows;

[Export]: Export counting records and saved as excel file;

[Clean] : Clear the total records.

3.2.2 Snapshot Folder

To click the **[Snapshot Folder]**, you can check all the capturedface pics. Notice: The folder is named by the date.



3.2.3 Setting

Click **[Setting]** button to enter into the interface to modify the setting;

[On/Off] : Turn On/Off to temperature alam function;

【HighLimit^oC】: Alarm When detecting temperature higher than the high limit^oC;

[Duration(S)] : Temperature alarm duration time, default is 10 seconds;

Confidence : Reserved, the reliability of judging an image as a face;

Capture Interv(MS) : The interval time of Same people repeat face capture;

[Select Mode(0-1): 0 indicates asile environemntk,1 indicates indoor environment;

[Face Deduplication (0-1)] : Same people only capture once, no repeat snapshot;

[Correction[°]**C]** : Under the severe environment ,it will increase the compensation temperature to improve the accuracy of temperature measurement, time-of-use

compensation can be set.

On/Off	On					
High Limit*C:	37.3					
Duration(s):	10		Setting			
Confidence:	80		Correction*C:			
Capture interval (MS):	1000		Time 1:	• 00:00:00	00:00:00 *	1.1
Select mode(0-1):	0		Time 2:	00:00:00 *	00:00:00 *	1.1
Face deduplication(0-1	1		Time 3:	00:00:00 ▼	00:00:00 *	1.1
			Time 4:	00:00:00 *	00:00:00 ×	1.1
Correction°C:	1.1	Detai				Refres

4. Device Upgrade

Users can use browser or PC tool for upgrade;

Notice: Brower upgrade package suffix is .ifu. PC tool upgrade package suffix is .bin

4.1 Web Upgrade

Notice: Only IE browser,QQ browser,and 360 security browser isworkable; IE Edge browser,360 speed browser are not able to use.

Step 1: Open Browser, input device IP address, and input the user name" admin" and password" admin".

2.168.1.18 is asking for your user name and password. The that it is from Megapixel_IP_Camera.
r user name and password will be sent using basic n on a connection that isn't secure.
User name
Password
Remember my credentials

Step 2: Click "setting"-"Setting"-"Maintain" to enter into the uprade interface;

Step 3: Click" Browse" to choose "app.ifu" updgrade file;

Step 4: Click "Upload" button to start upgrading, after upgrade completed, the web page will auto-refresh.

	Megapixel IP Camera
Browse	Setting 1
System (2)	System Time Advanced 3
Network	Firmware upgrade
Camera	(Please choose upgrade file.) Keep current config unchanged:
Video&Audio	5 Submit
PTZ Function	Factory settings
Alarm	Press the button to reset all the parameters to the factory default settings.
Record	Keep current IP unchanged: 🗹

4.2 Tool Upgrade Program:

Step 1: Open the PC to search tool IPWIZARD and above version, select the device

DWizer	dtt 2.25					·			- 23
Device Bro	wae Dence upg	rades Device para	meters derived						
number	Device type	Product Info	IF address	Subriet mask	gateway	NAC Address	Http port	Software version	U.
number III 0	IPC	TA DIE248A	192 168 1 18	255.255.255.0	192 158.1.1	00 2A 2A 52 45 3E	80	10.50	
*(
e Bin Opgrade p	ි uto ී Loc peckage:	0		m	Joon Strow		(2) dx al Datch no	dfy IF Search	

and upgrade directly for single device;

Step 2: For multi-devices batch upgrade, user need to modify the default IP address to

different one to avoid IP address collision. Take a example as below pic shows:

	wse Device upg	ades Device para	meters derived						
number	Device type	Product Info	IP ackiness	Subnet mask	gateway	MAC Address	Http port	Software version	Up
0	0 IPC IPA-DIB2A8A		192, 168, 1, 18	255.255.255.0	192, 168, 1, 1	00-24-2A-52-45-3E	80	1.0.0.0	
			Set t	the starting IP	Records 17				
			0	Subnet 255	. 168 . 1 . . 255 . 255 . . 168 . 1 .	0			
			×.	m					