G7 Fisheye Camera Installation Guidance

1. Tools Preparation





2. Installation requirements

Confirm whether the Hikvision identification direction on the camera surface is completely parallel to the horizontal direction designed on the layout after the fisheye camera image is expanded. Refer to the following figure for camera installation direction:





Same direction as Hikvsion Logo

Vertical direction

Camera model	Installation Height	Heat data coverage	Heat data		
	(The height	length (Same	coverage width		
	between camera	direction as	(Vertical direction		
	and ground)	Hikvision logo	of Hikvision logo)		
		when mounted)			
6365	2.5m	9.9m	9.9m		
	3m	9.9m	9.9m		

	3.5m	9.9m	9.9m	
	3.7m	9.9m	9.9m	
	4m	8.49m	8.49m	
63C5	2.5m	14.3m	11m	
	3m	14.3m	13.28m	
	3.5m	14.3m	14.3m	
	3.7m	14.3m	14.3m	
	4m	14.3m	14.3m	
	4.5m	14.3m	14.3m	

3. Device Installation

3.1Installation site

1. According to the 2D plane figure of the store, the relationship between the camera installation height and the heat data coverage, the installation point of the fisheye camera is planned, and the heat data coverage is confirmed.

The 2D plane figure of the calibrated installation position and heat data coverage of the fisheye camera is shown in the following figure.



2. Dead Zone Calculation

Assuming that the shelf placement direction is parallel to the Hikvision sign direction on the camera surface, the shelf height, the installation height of the fisheye camera, the detection range of heat data and the calculation method between the dead zones of heat data are shown in the following figure. Assuming that the shelf width is 1m, the shelf height is 2m, the space between shelves is 1.5m, the height of the customer shoulder from the ground is 1.4m, and the installation height of the fisheye camera is 3.7m, the width of the dead zone behind the shelves on each side in this scenario can be calculated.

The total width of the dead zone in this scene is: (0.7 + 0.62) * 2 = 2.64M



3.2 Installation Steps

- 1. Confirm the actual installation position of the store according to the installation position determined on the 2D plane figure of the store.
- 2. Power up and connect the camera to the Internet, fix the camera on the lifting frame and place it at the predetermined installation position.



3. Connect the computer and camera to the same switch, open the SADP software, search for the camera and activate it.

SADP												\$10 _ O ×
Total numb	er of online devices: 1						Uni	bind Export	Refresh	Filter	Q	Activate the Device
🥑 ID	+ Device Type	Status	IPv4 Address	Port	Enhanced SDK Service Port	Software Version IPv4 Gatew	ay HTTP Port	Device Serial No.		Subnet Mask	MAC Address	
✓ 001	iDS-2CD7186G0-IZS	Inactive	192.168.1.64	8000	N/A	V5.7.70build 211 192.168.1.1	80	iDS-2CD7186G0-IZS202	210511AAWR	255.255.255.0	4c-f5-dc-66-47	
												The device is not activated.
												You can modify the network parameters after the device activation.
												Activate Now
												New Password:
												Weak
												Confirm Password:
												Activate

- 4. Internet Explorer accesses the IP of the camera and checks the image of the camera.
- 5. According to the camera image, confirm whether the Hikvision identification direction on the camera surface is completely parallel to the horizontal direction designed on the layout after the fisheye image is expanded.



6. Drill holes to install the camera at the specified position.

3.3 Heat Map Rules Configuration

1. Enter the camera webpage and enable the People management function on the *VCA* page, then click *Next*.



2. Click on *People management* to enter the People management page

HIKVISION®			Q & O admin \	~
t Live View	VCA Complete the detailed settings of the smart application or	② Set Application event.		
Playback				
(ما) Application Display				
VCA	General Settings		>	
Configuration Maintenance and Security	People Management			
	Smart Event	Please confirm wheth	her the curre	

3. Click on *Heat Map* to enter the Heat Map page

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Live View	© People Management			
Playback	Gueue Management Heat Map Configuration Overlay & Capture Advanced Intersection Analysis Rale Arrating Schedule z Data Uplead			^^
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VCA	Compared Number of People			
Configuration	See			
Maintenance and Security		En l		1
				1
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4. *Enable* the Heat Map function, and you can also enable *Expect Number of People* (Enable this function will compare the actual number of people with the expected number of people The maximum value of the two will be set as the upper limit in the Heat Map).



5. In the *Alarm Schedule and Link Method*, configure the Alarm Schedule as needed and ensure that the *Notify Surveillance Center* is enabled

HIKVIS	SION [®]	Arming Schedule	×
C Live View	💮 People Management	😽 Draw	se
	Gueue Management Heat Map Configuration Overlay & Capture Advanced Intersection Analysis	00 02 04 06 08 00 12 04 06 18 20 22	24
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VCA	Arming Schedule Ege	Sun 00 02 04 06 08 30 1/2 34 36 1/8 00 1/2 0K Cancet	24
O Configuration	Noffy Surveillance Center		
(5) Maintenance and Security			

6. Select upload rules as needed in *Data upload*

HIKVISION®	Q	<u>۵</u>) adm	nin ~
© People Management				
Live View Queue Management Heat Map Configuration Overlay & Capture Advanced Intersection Analysis				
Playback Rule Arming Schedule a Data Upload				^
ev9 Application Display Uploading Data Type ○ Dwell Time ● Dwell Time and Number of People				
VCA Save				
(Configuration				
(A) Maintenance and Security				

7. The camera must be equipped with an SD card to record Heat Map data, and will upload heat map data to the platform at every hour on the hour.
You can see the data of the Heat Map in *Application Display -> Heat Map*



8. Enter configuration > System > System Settings, and enter Time Settings to check whether the time zone configuration is correct, and check if DST configuration is correct.

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-	Common Settings	Basi	ic Information	Time Settings	RS-232	RS-485	System Service	•	Location			
Live View	Local			Device Time	2023-08-01 13:1	4:40						^
Playback	System	^		Time Zone	(GMT+08:00) B	eijing, Urumqi, S	ingapore, Perth		~			
নি	System Settings			Time Svnc Mode		oc 💿 Manual	Time Sunc					
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					Save							

9. Record the camera's IP, user name, password, screenshot of live view and screenshot of rule configuration interface before leaving the site.

3.4 Installation Checking Items

NO.	Issue Type	Detailed Description	
1	Installation	Height and Installation	
	Position	Point	
2	Network	Able to check the	Record the camera's accessible IP, user name, password
		normal image and live	
		view of camera when	
		login web page of the	
		camera, and record	
		camera IP and	
		password	
3	Image	Confirm whether the	
		Hikvision	
		identification direction	
		on the camera surface	
		is completely parallel	
		to the horizontal	
		direction designed on	The Property of the second second
		the layout after the	
		fisheye image is	
		expanded	

4	Rules	Enable heat map rule	a const -colonium - seeses - rease
	Configuration	Enable Notify	C Prople Management
		Surveillance Center	Image: the table groupe of the table of table
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