# 4GCMS 51SEE camera quick installation manual

2023-01-14

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Preface

4GCMS M51C camera series 4G IoT full-featured all-in-one machine, the cameras are divided into the following series:

1) The earliest common models, including shaking heads, card machines, and gun machines, models before 2017;

- 2) The first generation of 4G IoT cameras does not have AI functions and is a model before 2020;
- 3) The second generation 4G IoT camera series, including ordinary AI type (Type A), face AI type (Type B),

Fully structured AI type (C type)

All models can be managed using the same platform, but there are differences in functionality.

Appearance:



The function of drawing any polygonal electronic fence requires AI camera Firmware v20-0626 or above, that is

Only valid for second generation AI IoT cameras.

### 1packing list

4GCMS CAM, 51See CAM, different models include: AI-BOX, ball control, ball machine, HD outdoor camera, HD shaking head machine, HD card machine, network transmission method: wired, WIFI, 3G, 4G different versions, external model There are: MBEL-381, MBEL-383, MBEL-385, MBEL-388, MBEL-390, MBEL-800, MBEL-900, etc., internal models: S-DVS001, HDCAM001, HDCAM002, HDCAM007, etc., powered by 12v or 5V power adapter

#### 2 Preparations required before installation

ÿ To use this product, you must have an environment that can access the Internet. Otherwise, you can only use your computer to view videos locally. ÿ You must

register a 4GCMS account to use this product. Please note that when registering an account, your computer or mobile phone must be able to access the Internet, otherwise the registration will not be successful. SUCCESS.

ÿUsers can download from http://www.mbel.net/ Download 4GCMS PC and Android clients; iPhone/iPad users via

The following is a detailed description of the installation process using the PC client as an example.

3.2 Detailed explanation of basic installation process

# Step 1: Connect 4GCMS CAM and router with network cable



1. Plug in the power adapter and keep the power supply

normal; 2. Connect the 4GCMS camera to the router with a network cable, as shown in the picture above. Note: The PC also needs to be on the same road as the camera

By the device.

3. If it is a 4G machine, the card insertion method is as shown in the figure

### Machine Translated by Google



The SIM card has the notch facing outward, and the chip is attached to the board.



For dome cameras and other optical zoom models, the TF card should be inserted into the card slot on the back of the dome camera, while the SIM card location is the same.

# Step 2: Set up the 4GCMS CAM process

Install the 4GCMS cloud monitoring system installer .exe and run 4GCMS.exe. Please note:

When the firewall software prompts the software to access the network, be sure to click Allow; if you still cannot search for the camera, please turn off Windows Firewall and 360 and other anti-virus software . 360 software sometimes causes the software to work abnormally. It is recommended to uninstall and install QQ Computer Manager.

1). 4GCMS cloud monitoring initial interface

4	CENTS X
用户 密码	注册新账户         ☑       记住密码         □       自动登录         暨 陆       本地设备

Note: If this interface is not fully displayed, please select 100% in the computer display settings and restart the system.

	查看(V)	>	٩	亮度和颜色
	排序方式(O)	>		更改亮度
	刷新(E)			
-	510 Later	_		夜间模式
	*63/6(P)			● ×
	粘贴快捷方式(S)			夜间模式设置
	英特尔® 显卡设置			缩放与布局
	NVIDIA 控制面板			更改文本、应用等项目的大小
8	SVN Checkout			100%
	TortoiseSVN	>		高级缩放设置
-	\$578 (AA)	>		分辨率
				1920 × 1080 (推荐)
	显示设置(D)			方向
	THEREIN			構向

2). Click "Register New Account"

智能云监控系统 - 账	户注册		X					
带有星号(*)的项为必填信息								
账户名:	SmartUser		*					
昵称:	SmartVser							
账户密码:			*					
确认:			*					
	确定	取消						

3). After filling in the registration information, click "OK" and the system will automatically log in.

4G智能	云监控	系统		17				Л	户: tes	t007					
88	M	•		M	0	<u>ه</u>	2 10		9	•	٩	<u>.</u>	*	Ð	
☐ 远程设行 ☐ 本地设	斎 (5/16) 斎 (9/13)		x									2			设备ID号: 无 设备名称: 无 连接时间: 无 持续时间: 无
															Q         ↔         ↓         Q           Image: Sold in the state of

4). After logging in, right-click "Local Device" -> "Local Search" or click the "Device Scan" button on the upper right



5). Search for the camera and double-click it or click the "Edit" button

设备IP	设备名称	设备ID	网络	MAC地址
192.168.1.127	360C	b81251000005	LAN	B8:12:11:00:00:05
192.168.1.188	cam	a84252000010	3G	A8:42:52:00:00:10
192.168.1.108	带PIR卡片机	a81261000065	LAN	A8:12:61:00:00:65
192.168.1.101	cam	b81251000002	LAN	B8:12:51:00:00:02
192.168.1.126	摇头机_1	a81251000017	LAN	A8:12:51:00:00:17
	-			

6). Set the IP address and click "Modify"

有线网络       1.7: 192.168.1.188         无线VIFI       道母: 255.255.0         3C/4G设置       母亲: 192.168.1.1         雪紫视频       田田: 11         108:       114.114.114         日村田 DRCP       可以打开DHCP设置, 但是工程上应用不建议用DHCP         可以打开DHCP设置, 但是工程上应用不建议用DHCP       可以打开DHCP设置, 但是工程上应用不建议用DHCP

Note: WiFi version parameter settings

Select the WiFi item in the setting interface, enter the SSID (the name of the wifi that needs to be connected, it is recommended that the wifi name does not contain Chinese characters, and the frequency band is 2.4G) and

Password and click "Modify".

摄像头参数设置		×
有线网络	AP密码: 12245678	
无线WIFI	✓打开 WiFi 网卡模式	
3G/4G设置	→	
GB28181设置	SSID: myap zzzu, 12345678	
音頻视頻	WPA2-PSK 2	
报警设置	IP: 192.168.1.189	
报警录像	<b>摘码:</b> 255.255.255.0	
侦测区域	网关: 192.168.1.1	
AI设置		
OSD设置	□111 nuri	
云存储设置		
其他设置		
系统信息		
	3	
	修改(0)	关闭(C)

7). After setting the IP address, wait for the camera motherboard light to be on, then click "Add to Remote" to bind the camera to the account. The installation is complete. Note: For the HDCAM module, please

take a

look at the LED lights on the module. Flashing becomes bright;

For ordinary gun cameras and dome cameras that cannot determine the status, click the local list right-click menu to check whether the camera status is connected to the platform:



For ball control, the diagram is as follows.



The ball control LED is always on, and you can see that the 4G IP address has changed from 192.168.1.1/192.168.1.188 to another address, indicating successful

networking.

In the above situation, you can bind the camera to the account.

设备IP	设备名称	设备ID	网络	MAC地址
192.168.1.127	360C	b81251000005	LAN	B8:12:11:00:00:05
192.168.1.188	cam	a84252000010	3G	A8:42:52:00:00:10
192.168.1.108	带PIR卡片机	a81261000065	LAN	A8:12:61:00:00:65
192.168.1.101	cam	b81251000002	LAN	B8:12:51:00:00:02
192.168.1.126	摇头机_1	a81251000017	LAN	A8:12:51:00:00:17
<b>N</b>				

Note: If the camera binding fails, please restore the factory settings and reset it.

# Step 3: Watch the video

After the installation is completed, users can watch CAM videos through PC or mobile phone .

No matter when and where, using a computer or mobile phone, you can watch CAM videos by logging in to your registered account through the 4GCMS client. For the PC

client, the function is more powerful. Please note the following two points: 1. Local

devices can only be viewed if the CAM and the computer are in the same LAN and can watch high-definition videos. 2. The remote device

sees the remote video, which can be viewed anywhere as long as there is a network.



The above are the installation instructions taking the PC client as an example. The iPhone and Android clients can also install and set up CAM.

For some customers who just use a network cable to connect directly to the computer to view the camera, they should pay attention to setting the computer's IP address to the same network segment as the camera's IP, and then they can view the camera through search.

#### 3.3 Install RFID accessories (optional)

- 1) Within half an hour after turning on the camera, the camera can accept the coding and installation of any RFID accessories, and the coding
- will be invalid after that; 2) After coding, please change the RFID name through the PC client RFID settings, so that you will know after the alarm Who called the police? please

Refer to section 4.8 below <RFID Accessory Settings>

3) When the RFID code is successfully matched, the camera system indicator light will flash quickly for 4 seconds;

4) The SOS button of the remote control in the RFID accessory has the highest level function. When pressed, it will automatically activate the defense and

trigger the alarm; 5) For 3G and 4G devices with RFID, you can set the alarm dialing phone number

#### 4 Camera advanced parameter settings

#### 4.1 4G version parameter settings

In the setting interface, the 4G version of the IP camera will automatically display the 4G option. Enter the operator's dialing parameters here and click Apply to adapt to the local operator. Note: Domestic

users do not need to set any parameters, the default settings are sufficient. If it is a specific card, you need to set the gateway and dial-up number.

If so, just set the parameters in the interface below.

摄像头参数设置		
有线网络		
无线WIFI	账户:	3gnet
3G/4G设置	密码:	
GB28181设置	APN:	3gnet
音頻视頻	拨号号码:	*99#
报警设置	报警号码0:	NULL
报警录像	报警号码1:	NULL
侦测区域	报警号码2:	NULL
AI设置	报警号码3:	NULL
OSD设置		
云存储设置		
其他设置		
系统信息		

Domestic operators refer to the following table under special circumstances:

Note: This is the setting for the 2G and 3G era. If you don't know what card it is, don't set anything.

Operator (ISP)	APN dialing num	ber	account number	password
China Unicom WCDMA (China Unicom)	3GNET *99#		null	null
China Telecom CDMA2000 ÿChina Telecomÿ EVDO network	null	#777	ctnet@mycdma.cn vnet.mob	
1X network	null	#777	card (CARD)	cardÿCARDÿ
China Mobile <b>TD-SCDMA</b> <b>ÿChina Mobileÿ</b>	CMNET *98*1#		null	null
China Mobile <b>GPRS (China</b> <b>Mobileÿ</b>	CMNET *99***1#	empty		null

For foreign operators, please refer to the following link:

http://wiki.apnchanger.org/Main\_Page

### Most dial-up numbers are: \*99# by default. Please check the local operator for details.

The following table is common:

Operator (ISP)	APN	dial number account		password
----------------	-----	---------------------	--	----------

germany vodafone	web.vodafone.de	*99#	vodafone	vodafone
BULGARIA VIVACOM internet.v	vacom.bg * <b>99#</b>		VIVACOM	VIVACOM

Note: 4G machines support the alarm and call function, but must be used in conjunction with wireless alarms.

# 4.2 Set GB28181 parameters

According to the address of GB28181, just fill in the corresponding parameters.

Note that after setting the parameters, enable access.

摄像头参数设置						×
有线网络	SIP服务器地址:	192.168.1.6	设备名称:	HDIPC		
无线₩IFI	SIP服务器端口:	5060	心跳周期:	60		
3G/4G设置	SIP服务器ID:	340200000200000001	注册有效期:	3600		
GB28281设置	SIP服务器域:	34020000	, 最大心跳次数:	3		
音频视频	SIP设备编号:	3402000001320000001	注册状态:	, 无	-	
报警设置	密码:	12345678	接入使能:		_	
报警录像	设备服务端口:	5060		- ///		
侦测区域	使用UDP:	1				
OSD设置	音频通道编号:	3402000001330000001				
云存储设置	报警通道编号:	3402000001320000001	]			
其他设置						
系统信息						
1					修改 @) 关闭(	<u>c</u> )

Skill:

Since the GB28181 program restart port cannot be released quickly, you need to change the device service port or restart the machine after setting the parameters.

4.3 Audio and video parameter settings

有线网络	视频基本参数							音频参数		
无线WIFI	码流1									
3C/AC设置	分辨室:	1920	) X 1080	~	视频格式:	H264	$\sim$	输入模式:	MIC	~
	帧率:	15		~	GOP :	0		音频格式:	AAC	$\sim$
GB28181设置	码率:	1000	) Kbps	~	控制方式:	Auto	~	输入音量:	52	~
音頻视頻	码流2							输出音量:	120	~
报警设置	分辨室:	640	X 360	~	视频格式:	H264	~	夜间音量:	0	~
	帧率:	3		~	GOP :	0	_			
报誓求像	码率:	200	Kbps	~	控制方式:	Auto	~	抓拍参数		
侦测区域	対応ないたいそのしてい	۲.	00	ansi				分辨室:	1920 X 1080	~
AI设置	1兆列及达17八7小	、夏(ス	30	~						
oen讼罢	视频高级参数							at when take D		
03061	天闭3回	峰噪:	□是					走廊模式:	□卅启	
云存储设置		翻转:	□左右	□上下						
其他设置		制式:	• 60Hz	○ 50Hz				矫正指数:	0	$\sim$
玄坛信自	宽动态/背光	补偿:	72	~				亮度:	72	~
77 -76 ID 25	最大曝光	时间:	默认值	~	秒			对比度:	50	~
	最小曝光	时间:	默认值	~	秒			饱和度:	50	~
	最大增益	等级:	0	~				色调:	50	~
		锐度:	0	~						

Here, set the resolution and bitrate of the video as needed. If you feel that the image is not clear enough, you can set the bitrate higher. Note

that in order to save traffic and provide a good user experience, the frame rate and code rate of the video are adjusted according to the client image quality. If you want to fix it, you must check the manual code stream option in other settings. As shown below:

有线网络	时区:	GMT+08 Taipei, Beijing, Chongqing, Un	rumqi, Hong Kong, Perth, Singapore 🗸 🗸
无线WIFI	日期:	2023/ 1/19 🐳 获取本地电脑时间	报警参数 (高初、) ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・
3G/4G设置	时间:	10:13:13 🐳 🗹 自动获取电脑时间	停留: 0 秒 推送报警消息
GB28181设置	UART2模式:	Modbus	
音頻视頻	DTU波特率:	9600 ~	
报警设置	云台类型 / RS485波特室:	Motor_out ~	
报警录像	服务器失去链接重启时间:	默认 ~	
侦测区域	系统自动重启时间:		天台水平反向: □ 百田 □ テム公由 エロ
AI设置	UNVIF: 补光方式:		云台垂直反向:□启用
OSD设置	IR Light控制万式: 夜间时段开始:	●目初 ○开启 ○关闭	云台速度: 0 ✓
云存储设置	夜间时段结束:	00:00 🗸	重启调用预置位: 0 ~
其他设置 <b>系统信</b> 息	IRCUT 反序: 关闭WiFi电源:	□是 IRADC 反序: □是 □启用 关闭4G1: □启用	球机种类: <u>默认 ~</u> 关闭平台通讯: □启用
	大闭来统正型 关闭音视频: DTU通知:	□ 启用 71/21925; □ 目用 □ 启用 手动码流: ☑ 启用 □ 启用	天闭4G模块对时: □ 启用 关闭平台对时: □ 启用 有线4G路由: □ 启用
		1	

The current audio software system only supports AAC. If other formats need to be set, the current software system will have no sound.						
Regarding backlight						
compensation: When many cam	ras are installed, the light intensity is different, and the objects to be seen have different focus points. You need to adjust the backlight compensation t	o adapt to the current scene. The larger				
the backlight compensation value	, the brighter the picture. The smaller the value, the brighter the picture. The darker.					

### 4.4 Set alarm recording parameters

摄像头参教设置					X
有线网络					 
无线WIFI	一键设防:	▶ 启用			
3G/4G设置	移动侦测:	☑ 启用			
GB28281设置	灵敏度:	(高	④ 中	○低	
音频视频	PIR/IO输入触发:	□ 启用			
报警设置	PIR/IO触发条件:	○ 闭合	☞ 断开		
报警录像	触发模式:	☞ 独立	C 同时		
侦测区域					
OSD设置					
云存储设置					
其他设置					
系统信息					
					修改 @ 关闭 ©

The picture above is to set the alarm triggering conditions, which can be motion detection, PIR or IO trigger. One-key arming is the main alarm switch. Once this parameter is cancelled, all alarm settings will be invalid.

摄像头参数设置		×
有线网络	I0联动: □ 启用	-
无线WIFI	10输出类型: C 闭合 C 断开	
3G/4G设置	报警声音: 🔲 启用 🔶 —— 有喇叭的设备才会响	
GB28281设置	RTMP码流: ⊙大 O小	
音频视频	RTMP推送: □ 启用	
报警设置		
报警录像	是否存在50卡: □ 有 4/25 № □ 格式化 (慎用!!!)	
侦测区域	报警录像: 🔲 SD Card	
OSD设置	报警时长: ◎ 10 秒钟 ○ 30 秒钟 ○ 1 分钟 报警一次持续的时长 ○ 5 分钟 ○ 10 分钟 ○ 无限制	
云存储设置	计划录像设置: 设置	
其他设置	SD/RIMP	
系统信息	计划录像,计划推流	
1	修改 @) 关闭 ©)	)

	The picture above shows the action after setting
	the alarm.
	Note: 1) SD card must be selected for scheduled recording or streaming, otherwise it will be invalid; 2) Once the plan is enabled, the recording parameters set on the cloud storage page will be lost.
effect.	

### 4.5 Detection area setting



After setting the shape detection enable on the settings interface, enable the mouse to select points in the frame in the software settings. The frames and lines can be selected directly on the video interface, as

shown in the figure



To draw polygons, use the following method: Select Draw

Polygons from the right-click menu of the window, and then confirm to send, and the polygon information will be sent to the camera. Note: Drawing a rectangular frame and drawing a line are two options, and they

can coexist with polygons. The user can set them according to the actual scene needs.



#### 4.6 AI settings

元线VIFI       可信度:       0          3G/4G设置       0           3G/4G设置       0           CB28181设置       0           方脸放大系数:       0           人脸放大系数:       0           大脸放大系数:       0           大脸最小尺寸:       0           大整子像       0           板響文像       0           小设置       0           AT设置       -       -          方方(公司       -       -          方方(公司       -       -          方方(公司       -       -          小賞的「方向」       -       -          方方(公司       -       -          方方(公司       -       -           「公司       -       -           方方(公司       -       -       -          方方(公司       -       -       -          「公司       -       -	闭车牌识别		人脸识别参数设置	有线网络
3G/4G设置       图像清晰度:       0          CB28181设置       人脸正面度:       0          音頻视頻       人脸放大系数:       0          人脸放大系数:       0        左上角X坐标:          方法最小尺寸:       0        意度:          水腔数小尺寸:       0        高度:          水整歌像         高度:          板深区域             AT设置             DSD设置             さち始み累             使用英文050		~	可信度:	无线ΨIFI
人脸正面度:       0        左上角×坐标:          方脸放大系数:       0        左上角×坐标:          人脸放大系数:       0         左上角×坐标:          大脸放大系数:       0             大脸放大系数:       0              大脸最小尺寸:       0	;闭车形识别 逸识别区域设置	~	图像清晰度:	3G/4G设置
小脸放大系数:       0       ✓       左上角Y坐标:       □         音頻视頻       八脸放大系数:       0       ✓       宽度:       □         报警设置       去重强度:       0       ✓       高度:       □         报警录像       □	上角X坐标:	~	人脸正面度:	7220101边里
音頻视頻       人脸最小尺寸:       0       ◇       ⑦度:       ○         報警设置       去重强度:       0       ◇       高度:       ○         報警決像       □Ati识别抓拍全图       ○       □Atin投报警       □       ○         成況区域       □Atin投报警       □       ↓       □       ↓         12设置       □       ↓       □       ↓       ↓         0SD设置       □       ★       ↓       ↓       ↓         □       使用英文OSD       □       ↓       ↓       ↓	上角Y坐标:	~	人脸放大系数:	620101 反血
报警设置     去重强度:     0     高度:       报警录像     □AI识别抓拍全图       侦测区域     □AI识别抓拍全图       公 AI触发报警     □关闭人脸识别       □关闭人脸识别     □关闭人形识别       □大印合形印刷     □并启人形跟踪       □关闭回框     □使用英文OSD	宽度:	~	人脸最小尺寸:	音頻视頻
根警录像     □ AI识别抓拍全图       侦测区域     □ AI识别抓拍全图       レ AI 融发报警     □ AI 融发报警       □ 关闭人脸识别     □ 关闭人脸识别       AI 设置     □ 关闭人形识别       DSD 设置     □ 关闭画框       □ 使用英文OSD     □ 使用英文OSD	高度:	~	去重强度:	报警设置
侦测区域     ☑ ▲ 和 融发报警       □ 关闭人脸识别       □ 关闭人形识别       □ 开启人形观踪       □ 关闭画框       □ 使用英文OSD		别抓拍全图		报警录像
□ 天闭入脸识别 □ 关闭入形识别 □ 开启人形积踪 □ 关闭画框 □ 使用英文OSD		发报警	E	侦测区域
□ 开启人形跟踪 □ 关闭画框 □ 使用英文OSD		人脸识别  人形识别	l l	AI设置
		人形跟踪	[	nsn设置
		III框 IIII立OSD	l l	
		口罩报警	]	<b>云仔</b> 傾
其他设置 □帯口罩振響		置报警	Į į	其他设置
<b>系统信息</b> □ □ 用启哨子报警 □ □ □ ■ □ □ ■ □ □ ■ □ □ □ □ □ □ □ □ □		襇子报警 子报警	l l	系统信息
		11 10		

AI cameras are divided into types A, B, and C:

Type A only supports basic humanoid recognition, and other attributes are invalid;

Type B supports face and human shape recognition, supports face attribute recognition, and is mutually exclusive with license plate recognition. When license plate recognition and face recognition are turned on, the automatic invalidation of face recognition is enabled;

Type C supports face + humanoid + car model + license plate recognition, but does not support face attribute recognition

The electronic fence function only works when the AI triggers the alarm and turns on it.

### 4.7 RTMP streaming settings

There are two ways to do this. One is to enable RTMP through parameter settings, but only supports short addresses within 63 bytes. As shown below

摄像头参数设置						
有线网络	10联动:	□ 启用				
无线WIFI	IO输出类型:	<ul> <li>闭合</li> </ul>	☞ 断开			
3G/4G设置	报警声音:	□ 启用				
GB28281设置	RTMP码流:	<b>⊙</b> 大	<b>O</b> 小			
音频视频	RTMP推送	🖸 倉用				
报警设置	RTMP1011:					RTMP短地址推流设置
报警录像	是否存在SD卡:	□有	4/25 MB	□ 格式化 (慎用	[]])	
侦测区域	报警录像:	🗖 SD Card				
OSD设置	报警时长:	<ul> <li>○ 10 秒钟</li> <li>○ 5 分钟</li> </ul>	O 30 秒钟	O1分钟		
云存储设置	计划录像设置:	设置	010 75++	O 无限制		
其他设置		SD/RTMP	,			
系统信息						
1	1					修改 @ 关闭 ©

Another setting method: remote right-click menu, select device parameters,

🔏 远程设备 (2/8	3)	習能を	5.监控系统 - 设备信息编辑		×
ipcamer ipcamer ipcamer ipcamer ipcamer ipcamer ipcamer ipcamer ipcamer ipcamer ipcamer ipcamer ipcamer ipcamer cam (d80 cam (c84 cam (c822	<ul> <li>刷新列表(R)</li> <li>全部连接(C)</li> <li>全部断开(D)</li> <li>全部新像(R)</li> <li>全部才限(P)</li> <li>连接设备(L)</li> <li>设备参数(E)</li> <li>SD卡/云存储(C)</li> <li>解绑设备(U)</li> <li>替换报警声(A)</li> <li>查看设备状态(0)</li> <li>08000003)</li> </ul>	· · · · · · · · · · · · · · · · · · ·	设备ID号: c84415000441 设备名称: ipcamera 件版本号: fhd 件版本号: 19-0124 数据链接: ssp://39.108.23 DTU FTP 设置 设备状态信息	13.89:5552;cloud://123. 更多 强制远程升级 确定	57.15.129:5556 FF设备 替换报警音 取消
<b>BT■P设置</b> RTMP	•地址:				×
RTMF 填_	码流:	○小 直播推流	RTMP长地共	止,支持1024 <sup>-</sup>	字符

Note: When planning a live broadcast, the size of the live broadcast stream must still be set in the device parameters.

4.8 Cloud storage settings

摄像头参数设置				X
有线网络	云存储位置:	<b>I</b> SD+₹	□ 云服务器	
无线WIFI	云存储仅保存图片:	□ 启用		如果要开它FTP 零勾选业选项 并日在远
3G/4G设置	存储视频码流:	• 大码流	○ 小码流	程设置FTP参数
GB28281设置	视频文件大小:	报警录像10	s	
音频视频	JPEG抓拍质量:	40		<b></b>
报警设置	定时抓拍1:	0:00:00	×	□ 启用 参数范围1~100, 1最好, 100最差。
报警录像	定时抓拍2:	0:00:00	-	□ 启用
侦测区域	抓拍间隔:	0	(单位:10秒)	□ 启用
OSD设置	预录像长度:	0	(单位:1秒)	
云存储设置				
其他设置				
系统信息				
				修改 @ 关闭 ©

#### Cloud storage setting

instructions: 1) If you select SD card recording, it will only record to the SD card. If there is no SD card, the approximately 40MB storage space inside the camera can be cycled.

ring video;

2) The cloud storage server provides each user with a default storage space of 200MB, which will be automatically overwritten when it is full; after the cloud storage fee is activated, the user will

The purchased service

shall prevail; 3) "Storage video stream" can select large or small stream, and the large stream is 1080P or 720P video; 4) Save "Video file

size" to save only alarm recordings, or 24-hour continuous recording , the alarm recording can choose to trigger a safe

How many seconds to save; for continuous recording, please select how many seconds to continue

recording each file; 5) The recording

format is MP4; 6) The settings of cloud storage and "alarm recording" options for SD card recording are mutually exclusive. If in the alarm recording If SD card recording is set up, then

All cloud storage recording settings are invalid.

7) You can set timing capture and interval capture. It is recommended to set the JPEG capture quality to 40, 1 is the best, and 100 is the worst. 8) Cloud storage

recordings can be viewed remotely through the PC client.

9) FTP snapshot needs to set the response FTP parameters and enable them here. The content uploaded by FTP is the same as that of SD card and cloud storage, but FTP can choose to upload only pictures, see FTP settings.

#### 4.9 OSD settings

The latest version of 4GCMS machine Firmware has added OSD settings. The setting method is as follows:

摄像头参数设置								×
有线网络	时间戳开关:	☑启用						_
无线♥IFI	时间戳位置:	〇右上	◉右下	〇左下	〇左上			
3G/4G设置	字符开关:	☑启用	字符总开关,	如果不需	需要字符OS	D在这里关闭即	回	
GB28181设置	<b>字符位置:</b>	◉右上	〇右下	〇左下	〇左上			
音頻视頻	字符内容:	OSD TEXT						
报警设置	字体大小:	40						
报警录像	显示倍数:	□开启						
侦测区域	禁止显示:	☑ DTV信	息 🛛 AI信息	☑ GPS信息	☑4G信号	1		
AI设置						1		
OSD设置								
云存储设置				如野	<b> </b>	示额外的信息。	川以在这里关	
其他设置								
系统信息								
						修	玫(0) 关闭(C)	

4.10 Other important settings, including night vision mode manual opening and closing time settings, RS485 baud rate, ONVIF RTSP settings

摄像头参数设置 × 有线网络 时区: GMT+08 Taipei, Beijing, Chongqing, Urumqi, Hong Kong, Perth, Singapore V 无线WIFI 报警参数 日期: 2020/6/27 🐳 获取本地电脑时间 秒 播放报警提示音 [请离开] 停留:0 3G/4G设置 ◆ ☑ 自动获取电脑时间 停留: □ 时间: 11:33:44 秒 推送报警消息 GB28181设置 UART2模式: Modbus ~ 音類视頻 DTU波特率: 9600 ~ 云台类型 / RS485波特案: Motor\_out\_transfer 报警设置 ~ 服务器失去链接重启时间: 默认 ~ 报警录像 云台水平反向: 🗌 启用 ONVIF: ☑ 启用 侦测区域 补光方式: ④红外 〇白光 云台垂直反向: 🗌 启用 IR Light控制方式: ⑧自动 ○开启 ○关闭 AI设置 云台速度: 0 ~ ~ 夜间时段开始: 00:00 云台步长: 0 ~ OSD设置 夜间时段结束: 00:00 ~ 重启调用预置位: 0 ~ IRADC 反序: □是 云存储设置 IRCUT 反序: □是 关闭WiFi电源: □ 启用 关闭系统LED: 🗌 启用 系统信息 关闭音视频: □ 启用 手动码流: 🗹 启用 关闭平台通讯: 🗌 启用 DTU通知: □启用 修改(0) 关闭(C)

Setup and IR lighting control method

1) RS485 baud rate setting item

It is very important to use the RS485 interface to control an external mechanical pan/tilt. If the baud rate is incorrect, the dome camera will not be able

to rotate. For other machines, the baud rate defaults to: Motor\_003. Do not set it casually.

### 2) DTU function and baud rate setting item

The DTU function is implemented through UART2. First, set the UART2 mode to DTU mode and select the DTU baud rate. The DTU function can work normally, otherwise the DTU function will not work.

3) Some special functions are to

turn off the WiFi power---it can save power by

turning off the LED light, turn off the

audio and video without interference, and completely protect privacy. After turning off, the system audio

and video will not work at all. Manual stream, and the stream will not be

automatically changed during remote viewing. The device determines whether it is working properly by connecting to the server. This is very useful for WAN applications, but it is

only for local monitoring. You can set this to never restart.

#### 4) Enable RTSP ONVIF protocol support. If

the user wants to enable RTSP, just enable the option on the dialog box above. The browsing address is:

#### rtsp://192.168.1.129:554/stream0 rtsp://

#### 192.168.1.129:8554/stream1



1) Enable RTSP ONVIF protocol support

4.11 System information

摄像头参数设置			×
有线网络	设备名称:	Cam	
无线WIFI	当前密码:	admin	
3G/4G设置	新密码:		
GB28281设置	确认密码:		
音频视频	版本:	19-0118	
报警设置	序列号:	c82208000003	
报警录像	设备服务地址:	dev. hddvs. net	
侦测区域		重启设备 恢复出厂设置	
OSD设置			
云存储设置			
其他设置			
系统信息			
1			修改 @) 关闭 ©)

Here you can change the camera password, restore factory settings and restart the camera. Note: The username of the camera is admin, and the default password is admin. The username is not allowed to be modified. Only the camera password can be modified, which cannot exceed 16 characters.

#### 4.12 DTU FTP parameter setting

In addition to regular functions, 51See cameras provide customers with flexible and convenient DTU and FTP functions. The parameter setting method is as follows:

Right-click the mouse and select "Device Parameters" remotely, or select "Modify Device" locally

# 4.12.1Set DTU parameters

太阳能4G监控平台	the state of the s					
		00	智能云监控系统	设备信息编辑		×
ご     ご       ご     ご       ご     ELQ01642(c844110001df)       ご     ELQ01653(c844110001ea)       ご     ipcamera(c84408000457)       ご     ipcamera(c84411000201)       ご     「       ご     前方(表(11000201))       ご     「       ご     「       ご     「       ご     「       ご     「       ご     「       ご     「       ご     ご       ご     「       ご     ご			设备11号: 设备名称: 硬件版本号: 软件版本号: 数据链接:	631501000060 47号工地02 face社D 20-0525 ssp://202.105.190.2 RTMP设置 DTU FTP 设置	251:5552;cloud://202 更多 强制远程升级	2. 105. 190. 251 : 5556 RF设备 替换报警音
				设备状态信息	确定	取消

DTU设备端参数设置       IP设备端参数设置         服务器地址:       192.168.1.6         服务器端口:       2345         DTU送传很少用       IP设备端参数设置         注册字段:       m51cdtu         心跳字段:       heartbeat         心跳时间:       30         HTTP POST 参数设置       JPG:         JPG:       开启         URL:       其写HTTP post地址,可以将相应的数据上传到HTTP         GPS:       开启         URL:       服务器,具体上传格式见API文档         OSD2:       开启         Tex       不满足只有一行OSD的场景开启此选项
HTTP POST 参数设置         JPG:       一开启       URL:       填写HTTP post地址,可以将相应的数据上传到HTTP         GPS:       一开启       URL:       服务器,具体上传格式见API文档         DTU:       一开启       URL:         OSD2:       一开启       Tex       不满足只有一行OSD的场景开启此选项
DIO频附(储式:0xas 0xc0 0xas 0xc0)         向DTU发送数据:       HEX        发送         设备地址:       01        命令号:       06          地址:       00        02        校验和↓         数值:       00        04        生成↓         0106 00 02 00 04 29 C9       アCT参数设置          RS485 MODBUS透传           从DTU获取数据:       HEX        接收         ModBus 查询时间间隔:       0 (1 - 255 秒)

Fill in the IP address and corresponding parameters of the DTU, and the device will establish a TCP connection with the server to achieve remote transparent serial communication. At the same time, if the user does not have his own DTU control platform, he can also send and receive data through the 51See platform. The test items in the dialog box are used for this purpose. For TCP testing, there is a DTUTest.ext program in the installation directory, which can also simulate the local server for debugging.

# 4.12.2 About OSD2 parameter settings

For some scenarios, if you need to set up multi-line OSD, you can turn on OSD2 and separate the lines with ampersands if needed.

# 4.12.3 Set FTP parameters

For users who have FTP to capture pictures and videos, they can fill in their own FTP server address in the above dialog box and activate the FTP function on the cloud storage page. Note: If the path

parameter of ftp is "/" or empty "", the directory /id/yyyymmdd/ will be automatically created under the ftp server. Otherwise, the directory will be created according to the filled-in path to be used with versions after 2018-0829; specify The directory needs to be in this format: "/xxxx/yyyy", and the file is named after year, month, day, hour, minute and second jpg

# 4.12.4 Set ModBus parameters

If you need to add a ModBus device, you can select ModBus protocol settings in the DTU parameter setting option above to add settings. The device address and data address can be set according to the relevant device instructions. If you need to modify the relevant address, you can send and receive in the DTU test column. Currently, the device name and numerical unit do not support Chinese. Numerical exponent:

0 is the obtained value divided by 10 raised to the power 0, 1 is the obtained value divided by 10 raised to the power 1, 2 is the obtained value divided by 10 raised to the power 2, and so on. For example, the water level meter (assuming its accuracy is mm) reads: 1000. At this time, set the numerical index to 3. Divide 1000 by 10 raised to the third power, and the result is 1. Then change the numerical unit to m. . The smaller the numerical exponent, the higher the accuracy. Note: The solar equipment provided by us needs to be set up first. If it is a third-party device, it needs to be read separately when reading the data.

<b>【</b> 否启用	设备类型	设备名称	数值单位	设备地址	数据地址	数据个数	数值指数	报警阀值(低)	报警阀值(高)	OSD显示
2 1	太阳能	太阳	瓦	0x0A	0x00	2	0	0	100	是
2	水平仪	Level X	Degree	0x02	0x5E	1	2	-15	15	是
3	水平仪	Level Y	Degree	0x02	0x5D	1	2	-15	15	是
1										1
捷选择	是否启用	设备		双击设备	,可进)	修改界前	面,修改	设备信息		快捷选择是 示OSD
										(* ) • 3
点击添	加,即可滚	和新设备	條设备							
1		730	3143-5人田							

#### 4.13 RFID accessory settings

Return to main page

智能云监控系统 - 添加(修改)本地分组或者设备	9	×
修改到分组 <mark>本地设备根组</mark> 本地设备根组	<ul> <li>修改分组</li> <li>分组名称:</li> <li>修改设备</li> <li>设备ID:</li> </ul>	c8151100001b
	设备IP: 设备名称: 设备密码:	192. 168. 1. 188 cam admin
	RTMP设置	更多 <u>取设备</u> 强制远程升级 RE设备 声
	查看设备状态	修改 取消

1) It can be set through the remote list: RFID

control modules will be added to different models of cameras later, and various RF peripherals will be added to the system, such as remote controls, door sensors,

PIR alarms, wireless sockets, etc. are added to it. If no accessories are added, click the "RF Device" button and it will be automatically listed. The user can set the alarm switch. If the alarm is turned on, once an alarm occurs, the alarm message will be automatically pushed to the client. 2) Set via local list

Special note: Makui control, RS485 multi-way switch control, etc. can be controlled by adding 2-way and 3-way switches using the mobile client. Specifically, Makui adds the ID number: 12000001; for other, add a 2-way switch 1200002 and a switch. , you can frame the two-way switch with modbus ID number 0x01. For the 3-way switch, we have made a corresponding relationship between the device ID and the modbus ID. It can be added from 130000FF.

4.14 Remote parameter setting

1) Set via remote right-click menu

#### 2) Set via local right-click menu



The difference between these two setting parameters and search settings is that the factory settings cannot be restored, because remote setting is too dangerous and the machine cannot be connected to the Internet, so it is prohibited.

#### 5 Introduction to advanced functions of 4GCMS PC client

#### 5.1 Function Overview

4GCMS cloud monitoring system PC client is a professional monitoring software developed to cooperate with all 4GCMS series cameras. It can be used for Internetbased community monitoring or pure LAN monitoring. The software has the following functions: 1) Multi-screen

viewing, supporting up to 144 simultaneous viewings; 2) Remote (Internet-

based) and local (LAN-based) camera grouping and parameter modification; 3) Real-time video viewing, PTZ control,

and large and small stream switching; 4) Video recording, photo taking,

and video playback; 5) Alarm messages

pop up automatically, and automatic linkage between SD card browsing and cloud video browsing;

6) Path setting of recording video, automatic recording loop coverage, etc.; 7) View camera in

electronic map mode

The software has a friendly interface and its functions are clear at a glance. For advanced functions, click the settings button on the main interface to open:



 $\ddot{y}$  Alarm flashing, when there is an alarm on the screen, the window will flash automatically;  $\ddot{y}$ 

Only I frames will be played locally. When the user's computer configuration is relatively low, playing only I frames will greatly reduce the CPU occupancy rate, and at the same time, the video can be recorded

smoothly. Local Disk;

ÿ Local large code stream, watch high-definition large code stream when watching on LAN, for computers with poor configuration, you can choose to watch small code stream; ÿ

Alarm pop-up window, when the alarm message arrives, the window will automatically pop up;

#### 5.2 Browse SD card recordings

The right-click menu of the list can browse SD card recordings and download them in batches.

元程录像	管理				
设备SD	0卡录像 云存储录像				
指守设	05				
1HAE C	жн. coiscidoodo			-	~
指定日	日期: 2020年07月20日	~ 查询	3期列表	开始批望	下载
指完职	は间: 2020年07日20日14月t	~	杏润至	128个50-上录	便文件
JEVEN	2020401/320[[141]				
批里T	下载: 🤄 所有在线设备	□ 指定设备	□ 指定日期	下载并指	単放
鼠标2	23击: 〇 批量下载并播放	<ul> <li>● 单个下载:</li> </ul>	白橋 (白	动跳过已下载	(文件)
序号	录像:名称(↓)	录像时间	录像大小	下载进度	^
1	20200720140952_0010.mp4	20200720	964.87 K	0 %	
2 3	20200720140952.jpg	20200720	528.53 K	0 %	
3	20200720140948_0010.mp4	20200720	1056.55 K	0 %	
4	20200720140948.jpg	20200720	528.61 K	0 %	
5	20200720140940.jpg	20200720	526.97 K	0 %	4
6	20200720140935_0010.mp4	20200720	1131.97 K	0 %	4
0	20200720140935.jpg	20200720	528.72 M		-
0	20200720140927. jpg	20200720	1166 24 10	0 %	4
10	20200720140922_0010.mp4	20200720	528 55 K		4
11	20200720140915 ing	20200720	528 48 K	0.8	1
12	20200720140910 0010.mp4	20200720	1096.13 K	0 %	f
13	20200720140910. jpg	20200720	529.77 K	0 %	ī
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### 5.3 Browse cloud videos







#### 5.4 Alarm PUSH message and remote SD card recording linkage

4G智能	云监控	系统	-				用	户: test	007					$\Theta$	8
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The alarm window will automatically pop up when you open the settings item, or move the mouse to the bottom border of the 51See interface, the alarm window will automatically pop up.

Double-click one of the items to link to the cloud storage remote browsing interface.

#### 5.5 Replace alarm sound

Right-click the device that needs to modify the alarm sound in the device list on the left, and then select Replace Alarm Sound to set it.

	<u>·</u>	智能云监控系统	- 替换报警声	×
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ĩ	车接设备 (L)	跳过文件开头:	0 (秒)	
2 8 3	SD卡/云存储 (C) 绑定设备 (B) 浏览网页 (S)	目标文件音 <b>里:</b>	30	
B T	刪除设备 (0) 设备参数 (Q)	21143 KPR493.		
	替换报警声(A) 查看设备状态(V)		确定替换	取消

#### 5.6 Picture alarm push function

Click Settings and check "Request alarm push after connecting to the device". After this function is turned on, alarm pictures can be pushed after connecting to the device.



When connecting the device at this time, the screen is blank. When the device alarms, the alarm picture will be pushed over. The user can also set a scheduled snapshot (the scheduled snapshot is in



"Cloud Storage Settings"), so that pictures can be pushed regularly.

### 5.7 View camera through web client

www.my51c.net Just log in to your account



For more detailed instructions, please refer to the relevant user manual.

### 5.8 Detect 4G dial-up function

4G智能云监控系统			无登陆用户		$\Theta \odot \odot$
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