

高清网络摄像机

HD IP Camera

KEDACOM

快速安装指南

Quick Start Guide

一 前言

感谢您购买我司产品，如对本公司产品有疑问或需要，请随时和我们联系。我们尽最大努力来保证本手册信息的正确性，如因升级等原因发生信息修改，恕不另行通知。

获取最新文档请联系产品供应商。

二 安全说明

此内容（手册）的目的是确保用户正确使用本产品，以避免危险或财产损失。在使用产品之前，请认真阅读此手册并妥善保存以备日后参考。如果用户因没有按照以下安全说明，致使设备不能正常使用或损坏等情况，责任由用户承担。

- 请使用满足安全电压要求的电源。
- 如果设备工作不正常，请联系厂家或最近的服务中心。不要以任何方式随意拆卸或修改设备。
- 请防止此产品从高处摔落或受强烈敲击。
- 清洁镜头时，须使用吹气球或专业镜头布除去镜头上的污垢。
- 避免将摄像机对准强光（如灯光照明、太阳光等处）聚焦，否则容易引起过亮或漏光现象（这并非摄像机故障）也将影响摄像机寿命。
- 避免将产品暴露在非用户手册所示的工作环境下使用。
- 使用时不可让水或任何液体流入摄像机。
- 当运送摄像机时，请重新以出厂时的包装进行包装，或用同等品质的材质包装。
- 需要替换部件时，请事先与经销商联系，更换指定型号的部件，或与原部件具有相同特性的部件。擅自使用其它部件进行替换，后果自负。
- 本产品非密封防水设备，不能单独工作于室外露天环境。

工作环境	
工作电源	DC12V±10%
温度	-30°C ~ 60°C
湿度	10%~95% (无凝结)
海拔高度	-60m~3000m
大气压	86kPa~106kPa

【说明】更多信息见附带光盘中的《高清网络摄像机用户手册》。

三 安装设备

1. 安装镜头

取下防尘盖，安装镜头，如图。



图 1 安装镜头

【说明】本系列摄像机不支持后焦调节。

2. 支架安装说明

将摄像机安装在吊装支架上时，支架转接器可从设备底部拆卸下来并安装在设备上方，如下图。

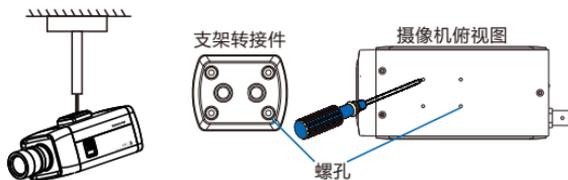


图 2 安装支架转接器

3. 外罩安装说明

当摄像机位于室外时，需要装配在防水外罩中，说明如下：

- 1) 旋开卡扣如图，打开护罩上盖。

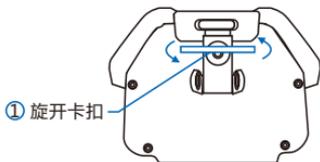


图3 打开护罩

- 2) 使用螺丝刀拧松固定板螺钉，将固定板向后拉，对准孔位取下固定板。

【说明】固定板螺钉拧松即可，无需拧下。

- 3) 穿好线缆并拧紧 PG 头。

- 4) 将固定板装配在摄像机底部。

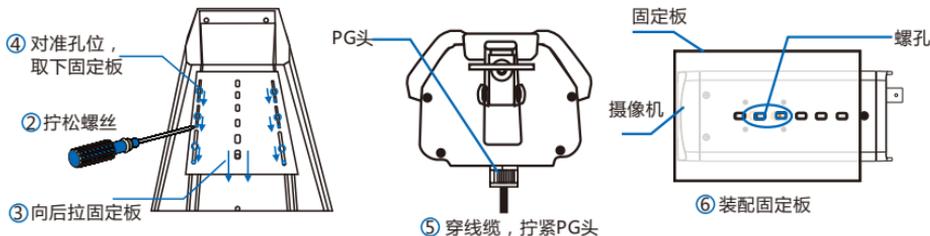


图4 将摄像机安装到护罩中

- 5) 将摄像机连同固定板安装在护罩中。

【注意】固定前将摄像机镜头贴紧护罩前玻璃，不要留明显间隙（只能调焦），以免出现漏光、光晕现象。

- 6) 用线缆连接 IPC 的各接口和外罩中的接口板，合上外罩上盖并锁紧。

【注意】暴露在立杆或防护罩外部的线缆一定要使用金属包塑波纹管进行保护。

4. 线缆连接说明

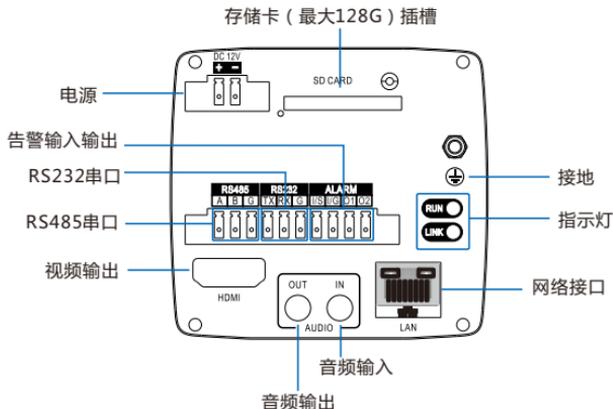


图 5 后面板说明

- 【说明】** RUN灯：运行指示灯，绿色，正常上电后快闪（1秒亮、1秒灭），断电后灯灭。
LINK灯：网络状态灯，绿色，正常上电切网络物理联通后快闪（1秒亮、1秒灭），断电或网络物理中断时灯灭。

四网络配置

1. 登录客户端

最低配置和系统环境：

- 处理器：3.3GHz酷睿®i3系列及以上或相同性能的其他处理器
- RAM内存：4GB及以上
- 操作系统：WindowsXP操作系统或更高版本
- 浏览器：IE7.0及以上版本，Firefox，Google Chrome(41及以下版本)
- DirectX：9.0c

【说明】 本指南将以WindowsXP为例，说明登录客户端步骤。

- 1) 第一次使用时请运行光盘中附带的IPCSearch, 在IPCSearch中将显示设备的IP地址、网关等信息。若IPC设备所接入的网络有DHCP服务, DHCP服务器将自动给IPC分配IP地址。
- 2) 在IPCSearch中选中设备, 点击 **批量处理**, 在弹出的界面中设置admin用户的密码和找回密码时需要的邮箱, 点击激活按钮激活设备。待设备重启。

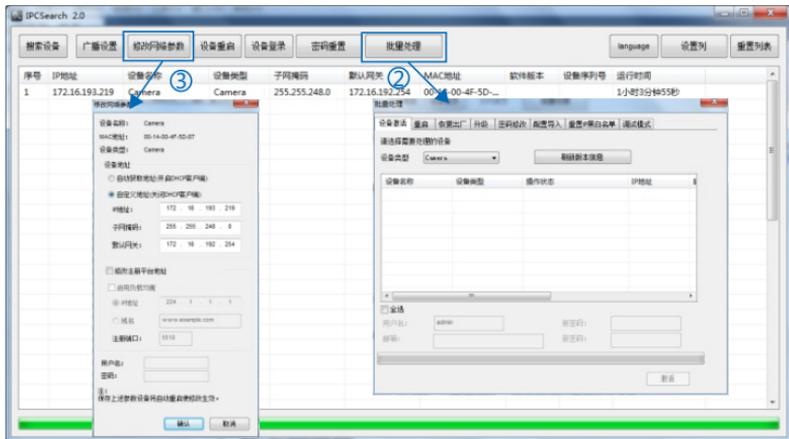


图 6 在IPCSearch上激活设备并修改网络参数

- 3) 点击 **修改网络参数**, 在弹出的界面中配置网络参数。静态分配IP地址时, 请选择自定义地址, 填写以太网参数。修改参数配置, 需要填写管理员用户用户名(admin)及激活设备时所设置的密码。完成IP配置后, 设备将自动重启, 重启时间约为60秒。
- 4) 在IPCSearch中双击设备或点击 **登录设备**, 输入用户名和密码 (如图7), 登录Web客户端。

图7 登录设备

图8 激活设备

5) 登录成功后，下载并安装视频插件。

【说明】如果直接通过Web端首次登录未激活的设备，可在登录界面设置管理员的密码激活设备（如图8）。登录前需要先将PC机设置为与设备在同一网段。

2. 图像调节和镜头调整

进入客户端后可以直接浏览图像，界面如图。

【说明】不同型号浏览界面略有差异，请以设备实际界面为准。更多客户端说明参见客户端帮助文档。

调整设备方向，在Web客户端上进行参数调整，直到浏览画面达到预定要求。

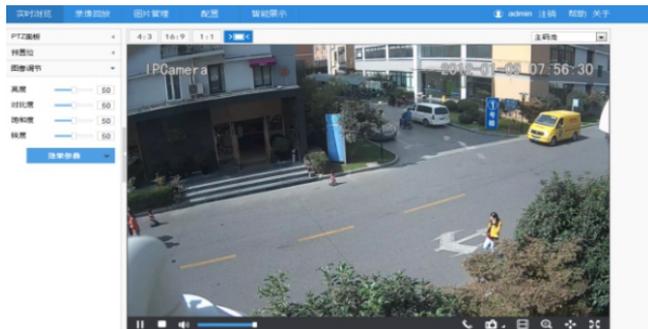


图9 浏览界面

五智能配置

1. 标定配置

从客户端的**智能展示>智能配置>标定配置**进入标定配置界面。

标定配置方法:

- 1) 勾选**启用标定**。
- 2) 抓拍行人。观看视频浏览区域，出现无遮挡且清晰可见的行人时多次点击**抓拍**。保留处于站立姿态的行人快照，在抓拍图像列表区点击右键删除其余快照。
【说明】①应该选择身高相同或者相似的成年人；
②行人的位置应尽量分散，如分布在图像的上、下、左右和中间区域；
③雨天等情况，若行人的头或脚被遮挡，应估计出头或脚的位置。
- 3) 绘制线段。选择某一抓拍图像，点击**添加**，将鼠标移动到抓拍图像预览区中人物头顶的中点位置，可通过左上角的放大镜区域进行精确定位。鼠标所在位置在放大镜区域以红色十字加号显示。确定好头顶中点位置后，点住鼠标左键不放，移动鼠标直至人物两脚的重心位置，松开鼠标，即可完成一条定标线。点击**确定**，在视频浏览区显示该定标线。
- 4) 重复步骤2~3继续规划定标线。
【说明】定标线的位置应比较分散，若定标线太过紧凑，会导致定标失败。
- 5) 若需要删除某一定标线，选中该定标线，点击**删除**，即可删除。
- 6) 根据需要设置**标定参考高度 (CM)**，如设置170，则目标提取的参考高度为170CM。若不能得到精确值，也可以不填写。
- 7) 划至少五条定标线后，点击保存。若不足五条定标线，点击**保存**时会有提示。



图 10 标定配制界面

2. 警戒区配置

从客户端的**智能展示>智能配置>警戒区配置**进入警戒区配置界面

警戒区是在监控画面中绘制一个或多个多边形区域，进入该区域的运动目标将被系统自动锁定。

警戒区具有排除不感兴趣的运动目标的作用，对于不感兴趣的运动目标，可以利用警戒区将其排除在外。默认为全画面警戒。

警戒区配置方法：

- 1) 选中该警戒区，点击**删除警戒区**，删除全画面警戒区。
- 2) 点击**新增警戒区**，在画面中根据需要绘制警戒区。
- 3) 绘制完成后，点击**保存按钮**。

【说明】①多个警戒区之间不允许有重叠，相邻的警戒区边缘最好叠加，使监控区域无空隙，以便跟踪监控连续；

②所设置的警戒区需比实际监控警戒区范围大，避免漏检目标；

③警戒区和屏蔽区设置区域一共不能超过10个，绘制每个警戒区或屏蔽区的多边形的顶点不超过20个。

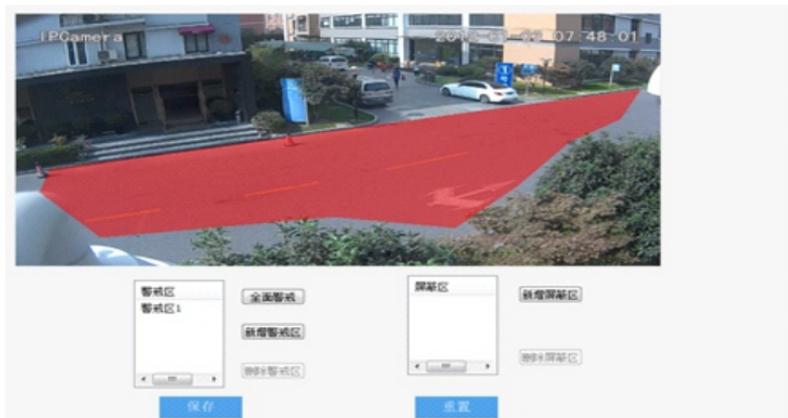


图 11 警戒区配置

3. 屏蔽区配置

从客户端的**智能展示>智能配置>警戒区配置**界面进行屏蔽区配置

屏蔽区是在监控画面中绘制一个或多个多边形区域，用来标识出画面中不感兴趣目标的区域。有些场景中，警戒区内部或边界上存在不感兴趣的运动目标，例如树叶、喷泉等，可以使用屏蔽区来去除干扰。

在如下场景中，在警戒区的右下角存在大量树叶。树叶是我们不感兴趣的运动目标，此时可以使用屏蔽区来去除这部分的干扰。

屏蔽区配置方法:

- 1) 点击**新增屏蔽区**，在画面中根据需要绘制屏蔽区。
- 2) 绘制完成后，点击**保存按钮**。

- 【说明】**
- ①当警戒区内存在有大量不感兴趣的运动目标时，可以在警戒区内添加屏蔽区，该屏蔽区可以比不感兴趣区域大一些；
 - ②屏蔽区并不会屏蔽全部目标，而是仅仅以更严格的方式检测和上报标。因此不能依赖屏蔽区来实现排除某区域的功能，而应该使用警戒区来排除；
 - ③警戒区和屏蔽区设置区域一共不能超过10个，绘制每个警戒区或屏蔽区的多边形的顶点不超过20个。

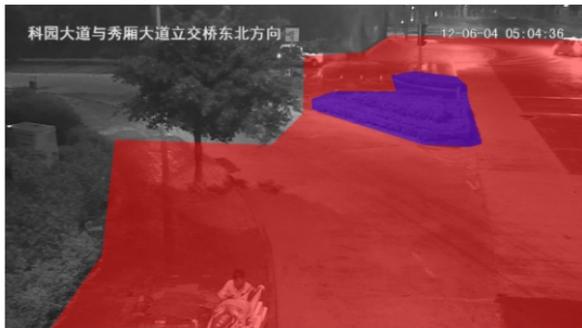


图 12 屏蔽区配置

保修说明

本保修卡适用于您购买的本公司系列产品。

1.终身保质，免费保修期一年（仅限中国大陆地区，中国大陆以外地区请参考英文说明）。

2.凡保修期内，由于本产品自身引起的故障，请与公司售后服务部联系。

3.保修时我们将使用您的保修卡信息，请认真填写。

4.以下情况，属于有偿保修范围：

- 人为原因造成的设备故障
- 因使用环境不符合本产品要求造成的故障
- 因不可抗力造成的产品损坏
- 无保修卡
- 已过保修期

用户信息

用户名称：

详细地址：

传真：

电话：

邮箱：

邮编：

产品名称：

产品型号：

购买日期：

Preface

Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact us.

Every effort has been made to ensure the accuracy and validity of this Guide. Any update of this Guide is subject to change without notice. For the latest document, please contact the dealer.

Safety Instruction

These instructions are intended to ensure that the user can use the product correctly to avoid danger or property loss. Please read this Guide carefully before using the product, and keep it properly for future reference. If the product cannot work normally or is damaged because the user does not follow the safety instructions, we shall not assume any responsibility.

- Please adopt power supply in the safety voltage range.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble or repair the product yourself in any way.
- Do not drop the camera or subject it to physical shock.
- When cleaning the lens, please use a rubber dust blower or lens cleaning cloth to remove the dirt.
- Do not focus the camera lens on strong light such as the sun or incandescent lamp. The strong light can cause overexposure or light leak (not camera malfunction), which may shorten camera lifetime.
- Do not expose the camera in the environment not defined in the Guide.

Operating Environment	
Working Voltage	DC12V±10%
Temperature	-30°C~60°C
Humidity	10%~95% (non-condensing)
Altitude	-60m~3000m
Atmospheric Pressure	86kPa~106kPa

- Keep the camera away from water or any liquid.
- While shipping the camera, pack it in the factory packing or use materials with equivalent quality.
- When it is necessary to replace a part, please contact your dealer in advance and replace the part with specified model or part of the same features. We shall not assume any responsibility for problems caused by unauthorized replacement.
- The camera is not water-proof and cannot work in outdoor environment alone.

[Notice] For more information, please refer to the *User Manual for HD IP Camera* in the attached CD.

Installation Steps

1. Mount Camera Lens

1. Remove the dust cover and mount the lens.

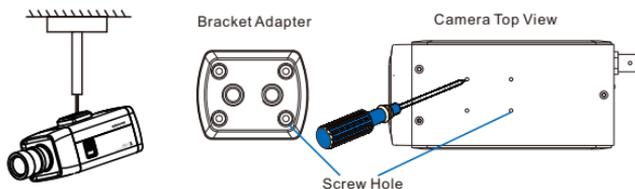


Picture 1 Mount lens

[Notice]: Back focus adjustment is unavailable for this series.

2. Mount Bracket

When mount the camera on a ceiling mount bracket, the bracket adapter can be taken apart from the bottom and be mounted on the top of the camera, as the picture shows.



Picture 2 Install bracket adapter

3. Install Housing

When the camera works outdoor, it should be installed in a water-proof housing, steps:

1) Unscrew the snap-fit and open the cover of the housing, as the picture shows.



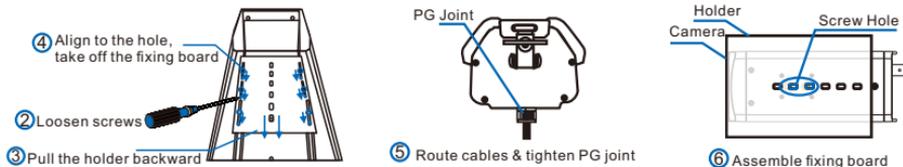
Picture 3 Open housing

2) Use a screwdriver to loosen the screws on the holder, pull the holder backward and take it from the holes.

[Notice]: Only unscrew the screws on the holder, no need to screw them off.

3) Route the cable and screw up the PG joint.

4) Fix the holder at the bottom of the camera.



Picture 4 Install camera into the housing

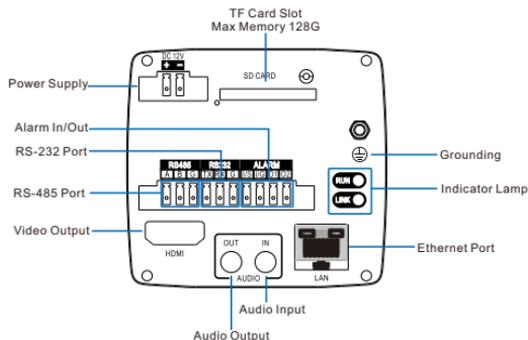
5) Install the camera and holder in the housing.

[Warning]: Before fixing, put the camera lens close to the window of the housing without any obvious gap (gap only enough for focus), to avoid light leak or halo.

6) Wire camera connectors to the connector board of the housing, cover the housing and lock it up.

[Warning]: Cables exposed on the pole or outside the housing must be protected by plastic-coated metal corrugated pipe.

4. Wiring and Power On



Picture 5 Back Panel

[Notice]: RUN Lamp: operating indicator, green, flashes (1s on, 1s off) after power on, be off after power off.
LINK Lamp: network status indicator, green, flashes (1s on, 1s off) after power on and networked, be off when power off or network disconnected.

Network Setting

1. Login client

System for client installation:

Processor: 3.3 GHz CORE®i3 series or other equivalent processors

RAM Memory: 4GB or above

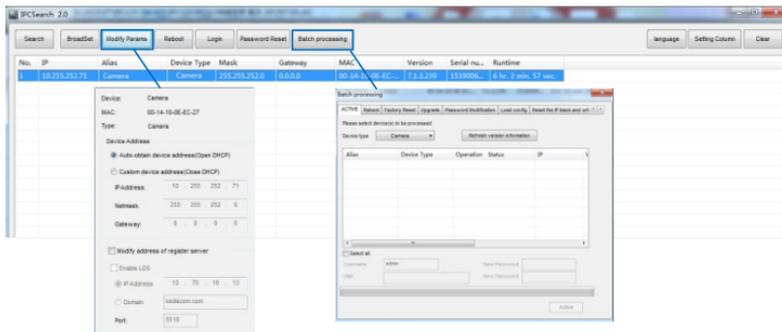
Operating System: Windows XP or newer version

Browser: IE7.0 or newer, Firefox, Google Chrome (below 41)

DirectX : 9.0c

[Notice]: This Guide will take Windows XP as example to explain client login steps.

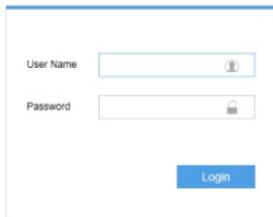
- 1) When use the device for the first time, run the IPCSearch in the attached CD and set camera IP address and gateway. If the network provides DHCP service, DHCP server will assign IP for the camera automatically.
- 2) Select the device and click "Batch processing". In the popup interface, set admin user's password and the e-mail address to find back the password. Click "Active" and wait for rebooting.



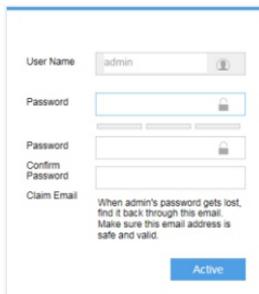
Picture 6 Activate camera and modify parameter

- 3) Click "Modify Params" and set the network parameters. When configure a static IP for the camera, please check "Custom device address (Close DHCP)" and fill the Ethernet parameter. During the modification, the user name (admin) and the password set before activation should be entered. After configuration, the camera will reboot automatically and this takes 60s.

4) Double click the device in IPCSearch or click "Login", and enter user name and password (as in Picture 7) to login the device.



Picture 7 Login



Picture 8 Activate

5) After login, download and install the plug-in.

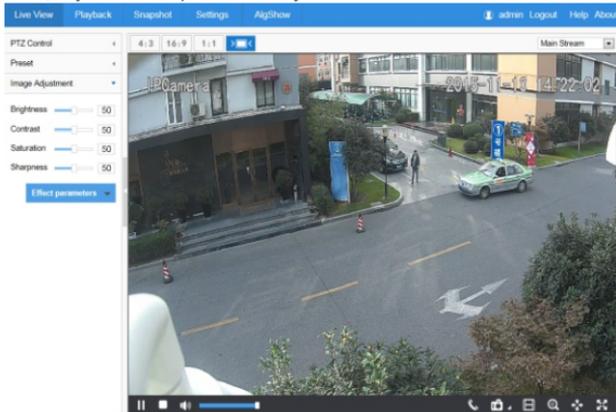
[Notice]: If login the nonactivated camera by web client, you can set admin user's password on the login interface to activate the device (as in Picture 8). Before setting, set the PC and the device in the same LAN.

2. Live View and Lens Adjustment

After login, user can view live video directly, as the picture shows.

[Notice]: The live view interface of different models may differ. Please refer to the help file.

Adjust camera direction, adjust camera parameters by the web client until the live view meets requirement.



Picture 9 Live View

Intelligent Setting

1. Calibration

Go to **Intelligent> Intelligent > Calibration**.

Calibration setting steps:

- 1) Check **"Enable"**.
- 2) Snapshot pedestrians. Viewing the live view area, click **"Snapshot"** several times when there are unshielded and distinct pedestrians. Save the snapshots of standing pedestrians and right-click the snapshot list to delete other snapshots.

[Notice]:

1. Choose adults of the same or similar height(s);
 2. Pedestrians' positions should be as scattered as possible such as at the top, the bottom, the left, the right or the middle of the image;
 3. When the pedestrians' heads or feet are shielded in rainy days, user should estimate the positions of their heads or feet.
- 3) Draw line segments. Select a snapshot image and click **"Add"**. Move mouse to the overhead midpoint of pedestrian in the live view area and precise positioning can be done with help of the magnifier at top left corner. The position of mouse is shown in the shape of a red cross under the magnifier. After fixing the overhead midpoint, left click the mouse and drag it to the center of gravity between the pedestrian's feet. Release the mouse and a calibration line segment is finished. Click **"OK"** and the line segment will display on the live view window.
 - 4) Repeat step 2) to 3) to draw other calibration line segments.

[Notice]: The calibration line segments should be scattered, otherwise, calibration will fail.

- 5) If you want to delete a calibration line segment, select the line segment and click **"Delete"**.
- 6) Set **"Reference Height"** (cm) as required. For example, if it is set 170, the reference height of targets is 170cm. If the precise value is unavailable, just leave it blank.
- 7) Draw at least 5 calibration line segments and click **"Save"**. If you draw less than 5, it will prompt when you click **"Save"**.



Picture 10 Calibration interface

2. Guard Area

Go to **Intelligent> Intelligent > Guard Area**.

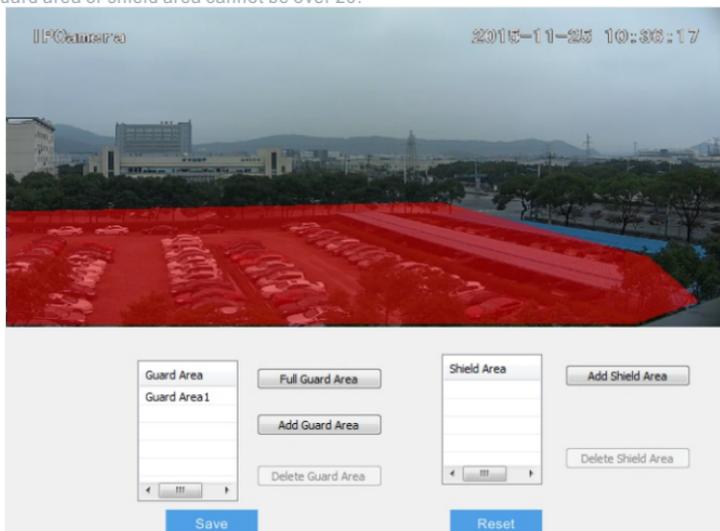
Guard area is one or more polygon areas set in the surveillance image. Any moving objects entering it will be targeted automatically. Its function is to exclude uninterested moving objects by stopping them outside the guard areas. The default setting is "Full Guard Area".

Guard area setting:

- 1) Select a guard area and click "**Delete Guard Area**" to delete Full Area Guard;
- 2) Click "**Add Guard Area**" to draw guard areas in the image as required;
- 3) After finishing drawing, click "**Save**".

[Notice]:

1. Guard areas can overlap with each other. The neighboring guard areas are better overlapped to enable seamless surveillance and ensure continuous tracking;
2. The set guard area should be larger than the actual guard area to avoid target missing.
3. The total number of guard areas and shield areas cannot be over 10 and the vertexes number for each polygon of guard area or shield area cannot be over 20.



Picture 11 Guard Area Setting

3. Shield Area

Go to **Intelligent> Intelligent> Guard Area**.

Shield area is one or more polygon areas set in the surveillance image to mark areas where uninterested objects are in. In some surveillance scenes, there are uninterested moving objects inside of or on the edge of the guard areas such as trees and fountain. These interferences can be removed by shield area setting.

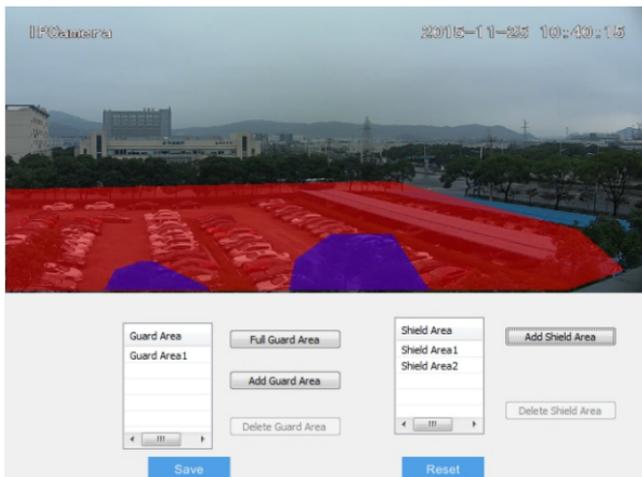
As shown in the picture, there are some trees blowing in the guard area which are our uninterested moving objects. In this case, we can set shield area to remove them.

Shield area setting:

- 1) Click **"Add Shield Area"** and draw shield area in the image as required;
- 2) After finishing drawing, click **"Save"**.

[Notice]:

1. When there are lots of uninterested moving objects in the guard areas, you can add shield areas inside the guard areas and the shield area could be larger than the uninterested area;
2. The shield area cannot shield all targets and it only detects and reports in a stricter way. Therefore, you cannot rely on it to exclude any area, but you should set guard areas to exclude;
3. The total number of guard areas and shield areas cannot be over 10 and the vertexes number for each polygon of guard area or shield area cannot be over 20.



Picture 11 Shield Area Setting

Kedacom Two (2) Year Limited Hardware Warranty

WHAT IS COVERED BY THIS WARRANTY?

Kedacom warrants the Kedacom-branded hardware product and accessories contained in the original packaging (hereinafter referred to as "Kedacom Product") against defects in materials and workmanship when used normally in accordance with Kedacom's published guidelines for a period of TWO (2) YEARS from the date of original retail purchase in areas other than mainland China by the end-user purchaser (hereinafter referred to as "Warranty Period"). For the Kedacom Product purchased in mainland China, see the simplified Chinese version of this warranty for details. Kedacom's published guidelines include but are not limited to information contained in technical specifications, user guides, and service communications. The preceding applies unless otherwise agreed in the contract.

WHAT IS NOT COVERED BY THIS WARRANTY?

This warranty does not apply to any non-Kedacom branded hardware products or any software, even if packaged or sold with Kedacom hardware. Manufacturers, suppliers, or publishers, other than Kedacom, may provide their own warranties to you but Kedacom, in so far as permitted by law, provides their products "AS IS". Software distributed by Kedacom with or without the Kedacom brand (including, but not limited to system software) is not covered by this warranty. Please refer to the licensing agreement accompanying the software for details of your rights with respect to its use. Kedacom does not warrant that the operation of the Kedacom Product will be uninterrupted or error-free. Kedacom is not responsible for damage arising from failures to follow instructions relating to the Kedacom Product's use.

This warranty does not apply: (a) to consumable parts, such as batteries, unless failure has occurred due to a defect in materials or workmanship; (b) to cosmetic damage, including but not limited to scratches, dents, and broken plastic on ports; (c) to damage caused by use with another product; (d) to damage caused by acts outside the control of Kedacom, including without limitation acts of God, accidents, abuse, misuse, fire, storms, earthquakes, flood, or other external cause; (e) to damage caused by exposure of the product to heat, bright light, sun, liquids, sand, or other contaminants; (f) to damage caused by operating the Kedacom Product outside Kedacom's published guidelines; (g) to damage caused by service (including upgrades and expansions) performed by anyone other than a representative of Kedacom, Kedacom employee, or authorized Kedacom agent; (h) to an Kedacom Product that has been modified to alter functionality or capability without the written permission of Kedacom; (i) to defects caused by normal wear and tear or otherwise due to the normal aging of the Kedacom Product, or (j) if any serial number has been removed or defaced from the Kedacom Product.

YOUR RESPONSIBILITIES

If your Kedacom product is capable of storing data and other information, you should make periodic backup copies of the information contained on the storage media to protect the contents and as a precaution against possible operational failures.

Before receiving warranty service, Kedacom or its authorized agents may require that you furnish proof of purchase details, respond to questions designed to assist with diagnosing potential issues, and follow Kedacom's procedures for obtaining warranty service. Before submitting your Kedacom Product for warranty service, you should maintain a separate backup copy of the contents of its storage media, remove all personal information that you want to protect, and disable all security passwords.

During warranty service, it is possible that the contents of the Kedacom product's storage media will be lost, replaced or reformatted. In such an event, Kedacom and its authorized agents are not responsible for any loss of data or other information contained on the storage media or any other part of the Kedacom product serviced.

Following warranty service, your Kedacom Product or a replacement product will be returned to you as your Kedacom Product was configured when originally purchased, subject to applicable updates. You will be responsible for reinstalling all other data and information. Recovery and reinstallation of other data and information are not covered under this warranty.

WHAT WILL KEDACOM DO IF THE WARRANTY IS BREACHED?

If during the Warranty Period, you submit a valid claim to Kedacom or an authorized Kedacom agent, Kedacom will, at its option, (i) repair the Kedacom Product using new or previously used parts that are equivalent to new in performance and reliability, or (ii) exchange the Kedacom Product for a refund of your purchase price.

A Kedacom replacement part or product, including a user-installable Kedacom part that has been installed in accordance with instructions provided by Kedacom, assumes the remaining warranty of the Kedacom Product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is replaced or a refund provided, any replacement item becomes your property and the replaced or refunded item becomes Kedacom's property.

Kedacom reserves the right to refund the purchase price as its exclusive warranty remedy.

HOW TO OBTAIN WARRANTY SERVICE?

To seek warranty service, please contact a local authorized Kedacom agent. When contacting the agent via telephone, other charges may apply depending on your location.

User Information

Complete the form below and keep for ready reference.

User Name:	
Address:	Postal Code:
Tel:	Mobile:
Fax:	E-Mail:
Product Name:	Product Model:
Date of Purchase:	

客户咨询热线 : **800-828-2866 400-828-2866**

Overseas Hotline: +86-0512-8896 9861

KEDACOM

苏州科达科技股份有限公司

Suzhou Keda Technology Co.,Ltd.

中国: 江苏省苏州市高新区金山路131号(215011)

Tel: +86-512-68418188 Fax: 86-512-68412699

Suzhou Keda Technology Co.,Ltd.

Singapore: 627A Aljunied Road, #09-07, BizTech Centre, Singapore 389842

Tel: +65-6842-5700 Fax: +65-6842-5900