WISENET

网络摄像机
用户手册

PNM-9084QZ
PNM-9084QZ1

CE

网络摄像机
用户手册

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商标

本文件中的每个商标均经过注册。本产品的名称以及本手册中提到的其他商标均为各自公司的注册商标。

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❖ 设计和规格可能会随时更改，恕不提前通知。

❖ 初始管理员ID为“admin”，而密码则应在首次登录时设置。
请每三个月更改一次密码，以妥善保护个人信息并防止信息泄露造成的损害。
请注意，由于没有妥善管理密码而造成安全或其他方面的问题，由用户自行承担。

概述

重要的安全说明

1. 请阅读这些说明。
2. 请您妥善保存这些说明。
3. 请您遵守所有的操作说明。
4. 请您注意所有的警告说明。
5. 请您不要在水源附近运行本机器。
6. 使用柔软干布或湿布清洁产品表面的污染区域。
   （请勿使用含有酒精、有机溶剂或表面活性剂、或含油成分的清洁剂或化妆品，此类物质可能使产品变形或受损。）
7. 请您不要堵塞通风口，在装入机器时，请您注意制造商的说明。
8. 请您不要将此机器放置在热源附近，如散热器，炉子或其它发热设备。
9. 请您绝对不要移去双线插头或有接地插头的安全装置，双线插头有两个不同宽度的插塞接点，接地插头有两个插塞接点和第三个接地接点。较宽的插塞接点或附加的接地接点是用来确保您的安全的，如果随同供货的插头规格不适合您的插座，请您委托电工更换适当的插座。
10. 请您正确铺设电源线，使其不会被踩踏和尖角损坏。请您尤其注意插头处，加长电缆和电线延伸到机器处必须具备充分的保护。
11. 请您使用制造商推荐的附加设备或配件。
12. 仅可使用厂商指定或随设备出售的运载车、支脚、三脚架、支架或工作台。使用运载车时，请小心避免在移动运载车/设备组合时翻覆。

13. 在雷雨天气或长时间不用的情况下，请拔下本设备的插头。
14. 请您委托具备资格的售后服务人员进行保养工作。出现以下情况时，有必要进行保养，例如当机器被损坏时（如电线或插头损坏），有物体或液体进入到机器内部时机器受到雨淋或潮湿后，机器运行不正常或摔落在地上时。
15. 本产品应使用标有“Class 2”或“LPS”标志的电源供应装置提供电源，额定电压为 PoE(55Vdc)，0.6A。
16. 本产品连接外部电源时请使用隔离电源。
17. 如安装产品时用力过大，摄像机可能损坏并出现故障。
    如使用不符合规定的工具强行安装产品，产品可能损坏。
18. 请勿将产品安装在存在或可能生成化学物质或油雾的地方。大豆油等食用油可能导致产品损坏或变形，因此请勿将产品安装在厨房或厨房柜台附近。
    这可能导致产品损坏。
19. 安装产品时，请注意不要使产品表面接触到化学物质。
    某些化学溶剂，如清洁剂或粘合剂可能导致产品表面严重受损。
20. 如未按照建议方法安装/组装产品，产品功能/性能可能受到影响。
    安装产品时请参阅用户手册中的”安装与连接”部分。
21. 在水下安装或使用本产品可能导致产品严重损坏。
22. 该型号应水平安装。垂直安装可能会因故障而导致摄像机受损。

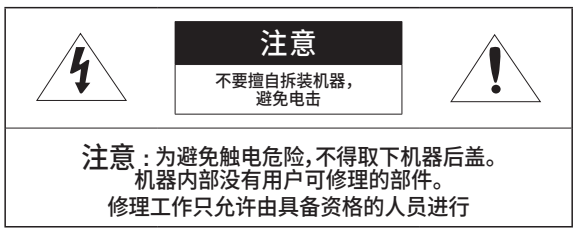
警告

为防止火灾或电击等引起的破坏，不要把产品暴露于水中或潮湿处。请勿穿过设备上的通风栅格或其他开口插入任何金属物体。

请勿将设备放置于滴水或溅水的地方，且勿将装有水的物体（如花瓶）放在设备上面。

为了避免造成人身伤害，必须按照安装说明牢固地把本设备固定在墙壁/天花板上。

注意



图形符号说明

等边三角形内带箭头的闪电符号用于警告用户：产品机壳内存在“危险电压”，其电压量足以对人员构成电击危险。

等边三角形内的感叹号用于警告用户：产品附带的文字中包含重要的操作和维护（维修）说明。

概述

CLASS I 构造

具有 CLASS I 构造的设备应连接到具有保护接地连接的电源插座。

电池

电池（安装的电池组或电池）不得暴露在过多的热量下（如阳光、火焰或类似物体）。

断开设备

如果设备出现故障，请拔下其电源插头。并请致电当地的维修人员。

当在美国以外使用时，可以利用所用的 HAR 代码和许可代理机构的接待处。

注意

如更换的电池类型不正确，可能发生爆炸。
按照说明妥当处理废旧电池。

这些维修说明仅供合格的维修人员使用。
为减少电击的危险，除了操作说明中所描述的之外，请勿执行其他任何维修工作，除非您合格这么做。

请将输入电源仅用于一部摄像机，并且不能连接其他设备。

ITE 只能连接到 PoE 网络，无需路由到外部工厂。

产品内有害物质信息

部件名称	有毒有害物质元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 Cr (VI)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印制电路板组件	×	○	○	○	○	○
金属部品	×	○	○	○	○	○
电缆	×	○	○	○	○	○
塑料部品	○	○	○	○	○	○

○：部品中有毒有害物质含量在〈含量标准〉的标准值内。

×：部品中有毒有害物质含量超出〈含量标准〉的标准值。

本表格表明机器内部含有有害物质，数据是根据部件类型，由部件制作商提供并在Hanwha Techwin内部验证后做成的。
某些部品包含的有害物质，按照现在的技术基准不能替代，Hanwha Techwin一直在为改善此项而努力。

请仔细阅读以下建议的安全预防措施。

- 请勿将本设备放置于不平的表面上。
- 请勿安装在暴露在直射阳光下、靠近供暖设备或非常寒冷区域的表面上。
- 请勿将本设备放置在传导物体附近。
- 请勿自行维修本设备。
- 请勿将一杯水放在产品上。
- 请勿安装在任何磁源附近。
- 请勿堵塞任何通风口。
- 请勿在产品上放置任何重物。
- 在安装/拆卸摄像机时，请佩戴防护手套。
  产品表面温度较高，可能有烫伤的危险。
- 请勿直接用手调整或移动镜头。否则可能会导致镜头损坏或性能降低。
- 镜头电动机的预期寿命为200转。

用户手册是如何使用产品的指导书。

书中所用符号的含义如下。

- 参考：用于提供产品用法的帮助信息
- 注意：如果不遵照说明是否有可能对物品和人员造成任何损害

※ 在使用物品之前请阅读本手册以保证安全，并将它保存在安全的地方。

本公司不保证单独购买的第三方产品（镜头，配件）的品质。

在某些安装环境下，可能会发生无线通信干扰。
如果产品和附近的无线通信设备之间发生电磁干扰，建议增加与无线通信设备的距离或调整通信天线的方向。

目录

概述 3
3 重要的安全说明
6 推荐 PC 技术规格
6 建议的 Micro SD/SDHC/SDXC 存储卡规格
6 随机提供的物品
7 可选的安装附件
7 简图

安装与连接 9
9 安装
15 与其他设备连接

网络连接和设置 18
18 在LAN环境下直接安装摄像机
18 将摄像机直接连接至基于 DHCP 的 DSL/有线电视网调制解调器
19 如何使用“Device Manager”
19 自动搜寻摄像机
19 设置IP地址
20 手动注册摄像机
20 自动设置 IP
21 路由器端口设置
22 从共享的本地 PC 连接到摄像机
22 从远程 PC 通过互联网连接到摄像机

WEB 查看器 23
23 连接到摄像机
24 密码设置
24 登录
24 设置摄像机Web查看器

附录 25
25 故障排除
26 Open Source Announcement

概述

推荐 PC 技术规格

- CPU：Intel(R) Core(TM) i7 3.4 GHz 或更高版本
- RAM：8G 或更高
- 支持的操作系统 : Chrome
- 建议使用的浏览器：Chrome、Safari、Firefox、MS Edge(chromium based)
- 受支持的浏览器：Windows, Mac、Linux、Android、iOS、Chrome
- 验证环境
  -Windows 10：google chrome 80或更高版本，Firefox 72或更高版本，MS edge 83或更高版本
  -Mac 10.13/14：safari版本11.0.1或更高版本

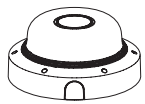
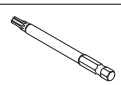
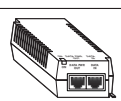
※ Web查看器的视频播放性能取决于用户的CPU/GPU性能。

建议的 MICRO SD/SDHC/SDXC 存储卡规格

- 建议容量 : 16GB 至 256GB（MLC 类）
- 推荐制造商：SanDisk, Transcend
- 产品类型：高耐久性
- 兼容性根据卡片的制造商和类型有可能有些差异。
- 建议使用符合 UHS-3 类（MLC 类型）规格的 16GB 或更大容量的存储卡。

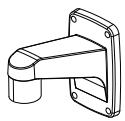
随机提供的物品

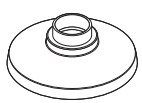
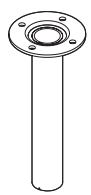
请检查产品包装内是否已包括摄像机和所有附件。
（配件因销售国家/地区而异。）

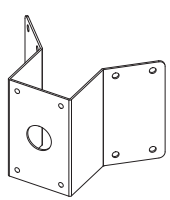
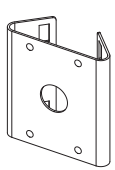
外观	品名	数量	功能
	摄像机	1	
	简介（可选）	1	
	模板	1	产品安装指南
	机器螺钉	4	是将摄像机安装在悬挂安装架或工盒等时使用的螺钉
	盖子安装程序	1	连接RJ45电缆时使用
	钻头	1	用于拆卸、安装球盖和安装摄像机。
	线缆保护衬套	1	LAN电缆或警报和音频电缆的备用衬套。
	HPoE注射器	1	供应电源和网络连接
	音频/警报器电缆	1	用于连接音频和警报器端口

可选的安装附件

根据安装场所，可单独购买以下产品进行安装。

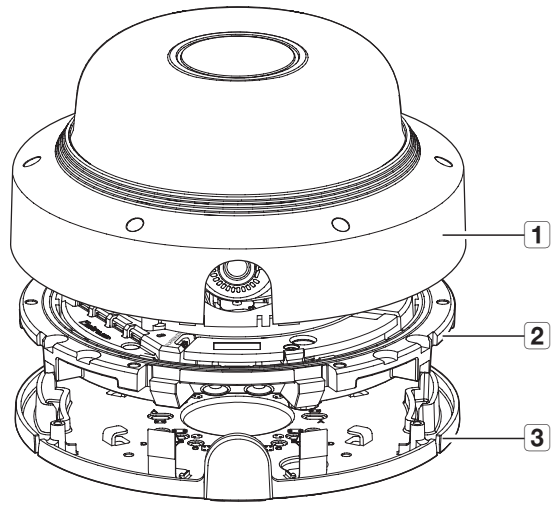
种类	壁挂安装架
型号	SBP-300WMW1
	

种类	悬挂安装架	天花板安装架
型号	SBP-276HMW	SBP-300CMW
		

种类	角落安装架	杆安装架
型号	SBP-300KMW	SBP-300PMW
		

简图

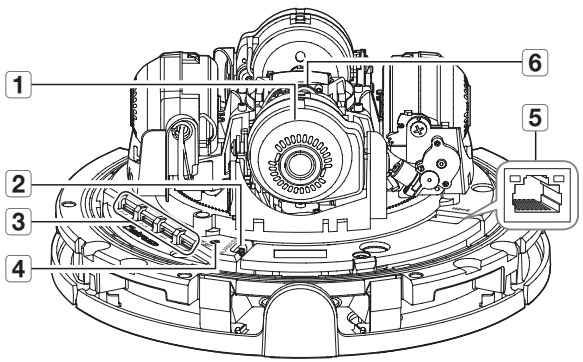
外观



名称	功能
1 球罩	用于保护镜头和机身的护盖。
2 摄像机机身	包括摄像机镜头和连接端子的主体部位。
3 固定板	将摄像机安装在天花板或另售的支架上时用于固定的部位。

概述

组件



项目		说明
1 镜头		4 个摄像机镜头显示不同方向的画面。
2 音频和警报器端口	ARM-IN	用于连接警报输入传感器或外部日夜传感器。
	ARM-OUT	用于连接警报输出信号。
	GND	有通用端口可以连接报警输入/输出信号。
	MIC	用于连接到麦克风。
	SPEAKER	用于连接到扬声器。
3 Micro SD 内存卡槽		用于 Micro SD 内存卡的卡槽。
4 重置按钮		该按钮会将所有摄像机设置恢复为出厂默认值。 按住约 5 秒钟可重启系统。 摄像机被重置后，其网络设置会变为DHCP。如果网络中没有DHCP服务器，则要使用“Device Manager”程序重新配置基本网络设置才可以从新接入网络（IP地址，子网掩码，网关等）

项目	说明
5 HPoE接线端子	是通过HPoE注射器连接电源和网络的端子。
6 电缆	颜色 - CH 1: 红色 CH 2: 绿色 CH 3: 蓝色 CH 4: 黑色

安装与连接

安装

- 型号防水并且符合 IP66 规范，但连接到外部电缆的插孔不防水。建议您将本产品安装在屋檐下，防止电缆因暴露在外而受损。

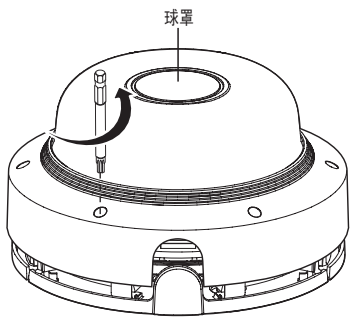
安装前注意事项

安装之前，请确保阅读下列说明：

- 选择一个至少可以承受 5 倍摄像机重量的安装地点。
- 破损或脱皮电缆可能会损坏产品或引起火灾。
- 为安全起见，让其他人远离安装地点。将个人所有物放在安装点一侧，以防万一。
- 如安装产品时用力过猛，可能因故障导致摄像机损坏。
  使用不兼容工具强行安装可能损坏产品。

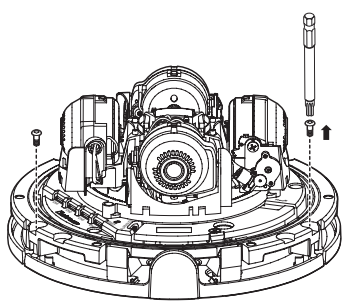
拆解

1. 拧松球盖上的紧固螺栓即可卸下球盖。使用随附提供的钻头逆时针旋转即可。

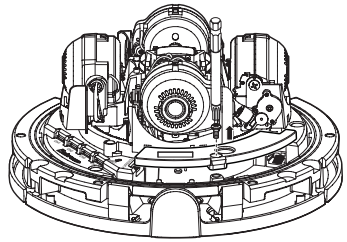


2. 拧松摄像机主机上的紧固螺栓。

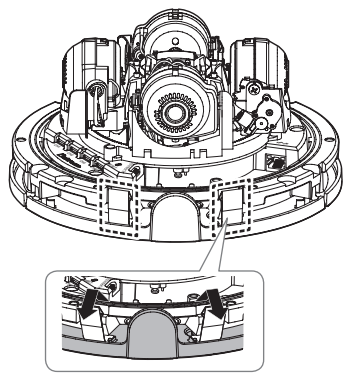
- 请勿直接用手调整或移动镜头。否则可能会导致镜头损坏或性能降低。



3. 松开并卸下电缆盖上的螺丝。



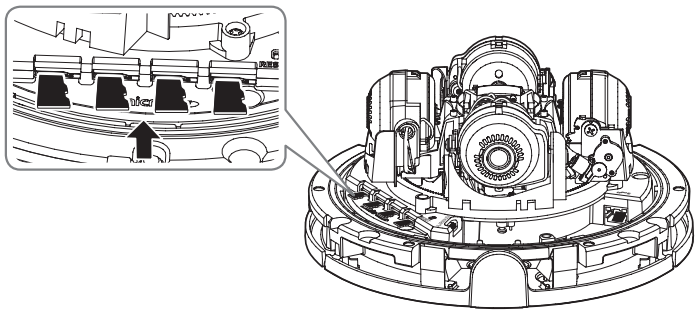
4. 向外拉板簧即可卸下摄像机主机和固定板，如图所示。



安装与连接

插入 Micro SD 存储卡

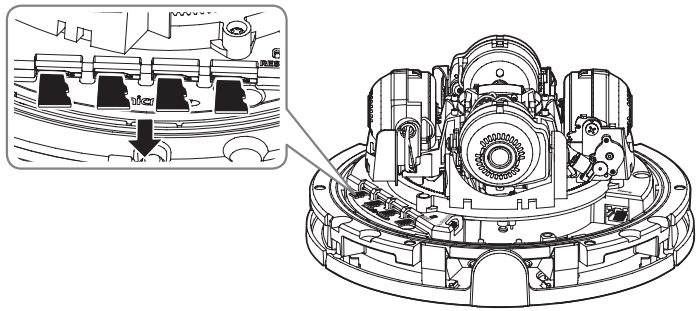
1. 取下摄像机的汽包盖。
2. 按照图中箭头所示方向插入内存卡。



- 安装摄像机前，请先从摄像机拔下电源线后，插入 Micro SD 保存卡。
- 反方向应插有可能导致Micro SD记忆卡和产品破损。
- 下雨或湿度较高时，不建议插拔内存卡。
- 产品盖子的拆卸应该在5分钟之内完成，否则会有内部结露的风险。

取出 Micro SD 存储卡

轻轻地按压存储卡露在外面的一端，依图示的方式从拆槽中弹出存储卡。

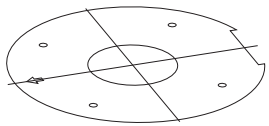


- 您需要保存每个频道的SD卡。
- 请注意，微型 SD 内存卡弹出时如用力推动和释放，内存卡可能会弹起。
- 取出Micro SD存储卡之前，在<**设置(** ⚙ **)**>菜单的<**事件**>-<**存储**>中，将设备设置为<**关**>，然后按[**应用**]按钮并关闭摄像机。
- 将数据保存在Micro SD存储卡时, 若取出存储卡或关掉电源，会导致已存数据的损失。

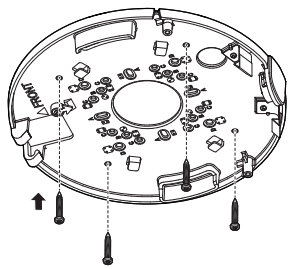
安装(安装板)

【安装于天花板】

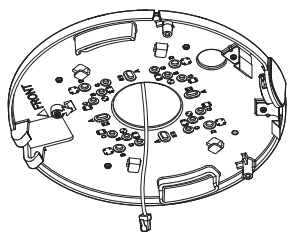
1-1. 将安装模板连接到所需位置上，然后钻出螺孔和电缆孔。



1-2. 请使用合适的螺钉固定安装板。



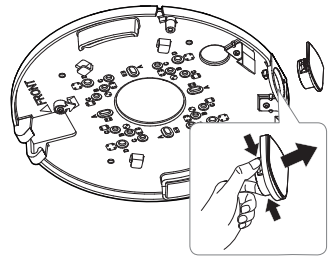
1-3. 从安装板的孔中拔出LAN/音频&警报电缆中所需要的电缆。



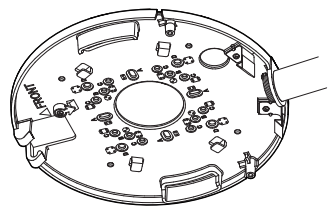
【连接导管进行安装】

2-1. 将安装模板连接到所需位置上，然后钻出螺孔和电缆孔。

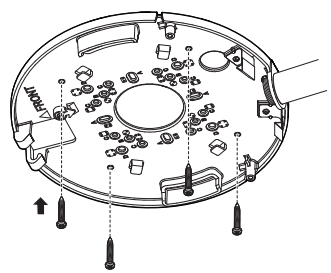
2-2. 左右按住安装板的管盖进行分离。



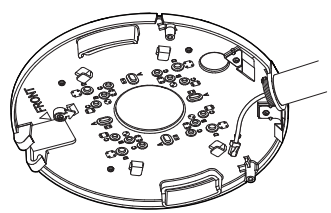
2-3. 将导管安装在安装板上。



2-4. 请使用合适的螺钉固定安装板。



2-5. 通过导管拔出LAN/音频&警报电缆中所需要的电缆。



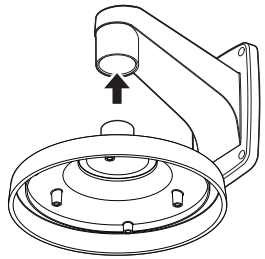
安装与连接

【连接至非捆绑销售的适配器】

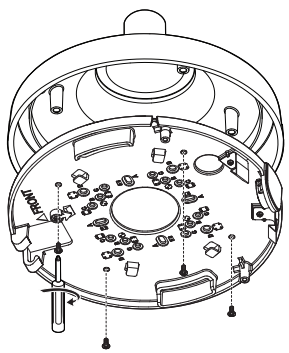
选择并购买下列其中一个必要的选件(非捆绑销售),它应该适合您的安装位置或为您提供方便。

3-1. 将悬挂式安装件安装在壁挂式适配器上。

- 壁挂式适配器和悬挂式安装件单独销售。

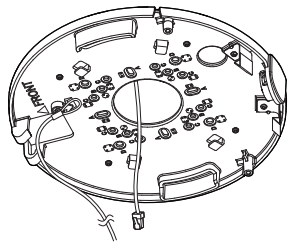


3-2. 连接固定板和悬挂架。



安装(机身和气泡盖)

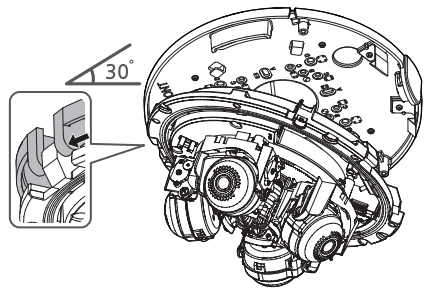
1. 请连接安全电缆。



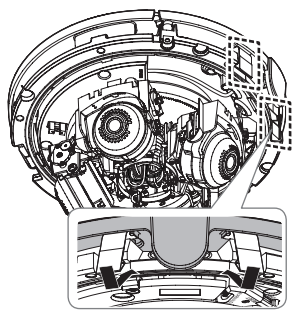
2. 将摄像机机身插入安装板。

- 如图所示将其安装至铰链上。

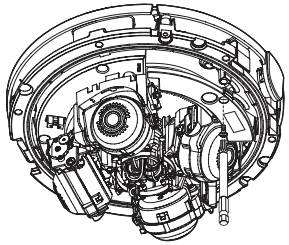
3. 将所需电缆连接到摄像机内部的端子上。



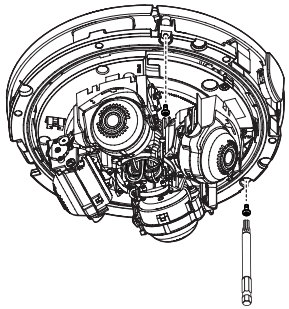
4. 如图所示，推动板簧，直到卡入到位。



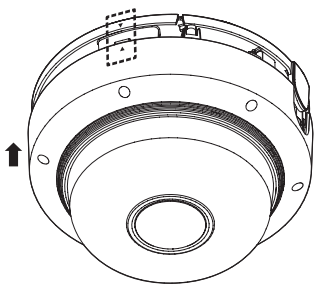
5. 连接电缆盖。



6. 使用摄像机机身上的固定用螺丝将摄像机机身固定到安装板上。



7. 安装球盖。
   - 安装球盖时要对齐箭头。
   - 为确保防水性能，请使用钻头将紧固螺栓拧紧。

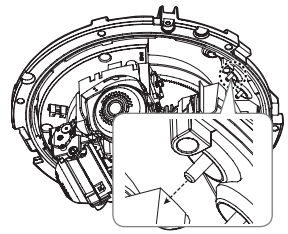


连接LAN电缆

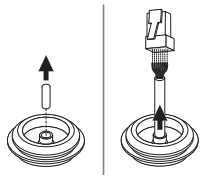
- 将适当的线缆保护衬套用于要连接的局域网线缆。
  - 基础摄像机:使用直径为5到6.5毫米的线缆。
  - 所提供组件:使用直径为7到8.5毫米的线缆。

[方法1]

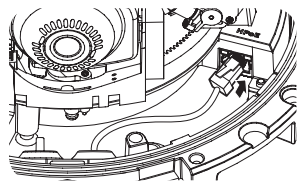
1. 如图所示，请拔出您想要使用的衬套的突出部分。



2. 将LAN电缆穿过在1号拔出突出部分而产生的孔里。
3. 使用电缆剪剥除护皮，然后对齐电缆。
4. 为 LAN 电缆接上一个 LAN 接头，然后插入 LAN 工具。



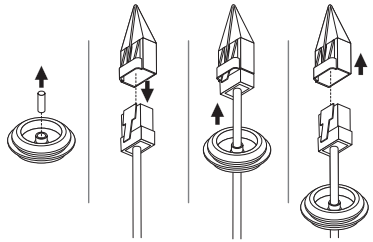
5. 将完成的电缆连接到HPoE端子上。



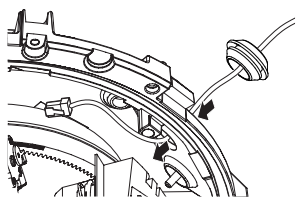
安装与连接

[方法2]

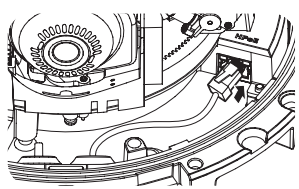
1. 请拔下随附的1孔衬套的突出部分。
2. 使用盖帽安装器穿过LAN电缆。



3. 把衬套连接至机身上。

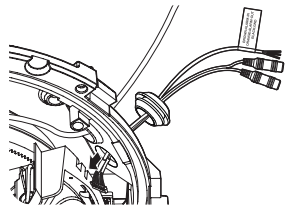


4. 将LAN电缆连接到HPoE端子上。

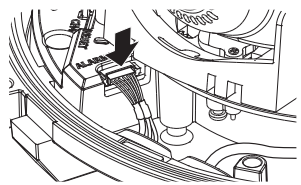


安装音频&警报电缆

1. 将随附的音频和警报电缆的衬套安装到相机机身上。



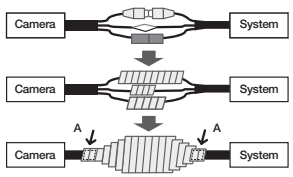
2. 将电缆连接到ALARM/AUDIO端子上。



室外安装

当您将本产品安装在建筑外部时，请用防水丁基橡胶带对其进行防水处理（商店有售），防止水从连接到外部的电缆缝隙中渗入。

1. 连接音频、I/O和LAN电缆。
2. 用防水带(丁基橡胶)，包裹住黑色电缆套管（区域 A）和电缆连接区域，确保一半以上的丁基橡胶带重叠。

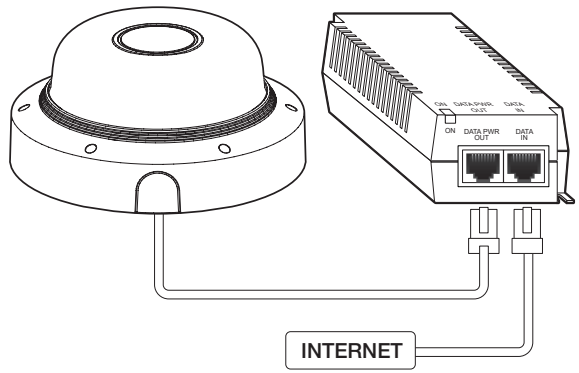


- 如未对电缆套管进行适当的防水操作，它可能直接导致漏水。确保使用橡胶带保护电缆。
- 防水丁基橡胶带由丁基橡胶制成，可拉伸为正常长度的 2 倍。

与其他设备连接

供电和联网

将摄像机的HPoE端子连接到HPoE设备。



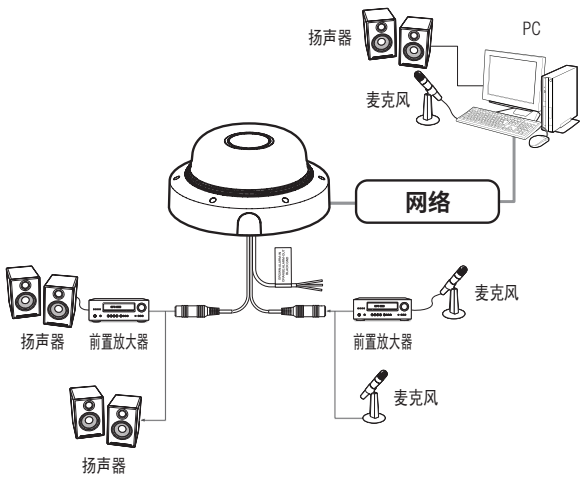
- 连接到支持HPoE的路由器。

网线规格

项目	内含物	备注
连接器	RJ45 (10/100/1000BASE-T)	
以太网	10/100/1000BASE-T	如采用 1000BASE-T 网线，千兆集线器应使用 UTP 6 类或更高级别的电缆。
电缆	UTP 超6	
最大距离	100米	直流电阻 ≤ 0.188 Ω/m
HPoE	HPoE	

安装与连接

连接音频输入/输出



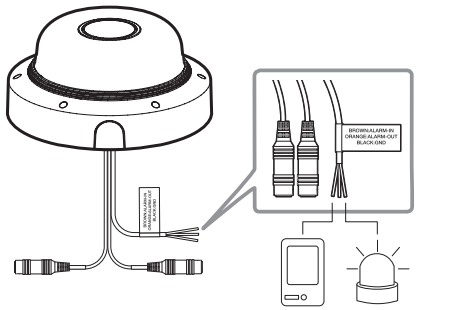
1. 将摄像机的音频输入端口连接至麦克风或麦克风连接至的扩音器的线性输出端口。
2. 将摄像机的音频输出端口连接至扬声器或扬声器连接至的扩音器的线性输入端口。
3. 检查音频输入的规格。

- **音频编解码器**
  - 音频输入：G.711 PCM（比特率：64kbps/采样频率：8kHz), G.726 ADPCM（比特率：16Kbps, 24Kbps, 32Kbps, 40Kbps/采样频率：8kHz), AAC (比特率: 48Kbps / 采样频率: 16kHz)
  - 音频输出：G.711 PCM（比特率： 64kbps/采样频率：8kHz)
- **全双工音频**
- **音频输入**：可选（外接麦克风/线路输入），支持电压：2.5VDC（4mA）输入阻抗：2K欧姆
- **音频输出**：线路输出（3.5mm 单声道插孔），最大输出：1Vms
- **线路输出阻抗**：600 Ω

▪ 连接到网络浏览器后再 - <**视频和音频**> - <**音频设置**>中将音频输入源设置为外部麦克风则，推荐的麦克风规格如下。
  - 频率范围：40~16000Hz
  - 阻抗：1500 Ω
  - 灵敏度：-40±3 dB（7.1~14.1 mV）

连接到 I/O 端口

将警报输入/输出电缆连接到端口盒的相应端口。



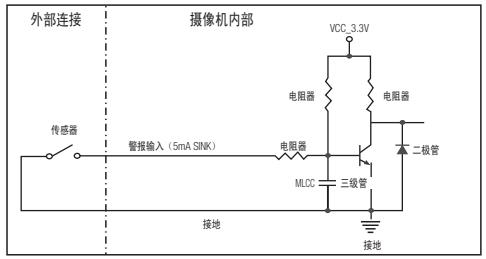
- ALARM-IN：用于连接警报输入传感器或外部日夜传感器。
- ALARM-OUT：用于连接警报输出信号。
- GND：警报输入/输出信号的公共端。

■ 如果使用开路集电极方法连接超出电压和电流规格的设备（如闪光灯和警报器），它可能导致故障。在连接超出电压和电流规格的设备时，参考“**警报输出线路图**”。

连接外接传感器

将传感器每根信号线（2 线）的一股线连接至 [**ALARM IN**] 端口，并将另一股线连接至 [**GND**] 端口。

警报输入线路图

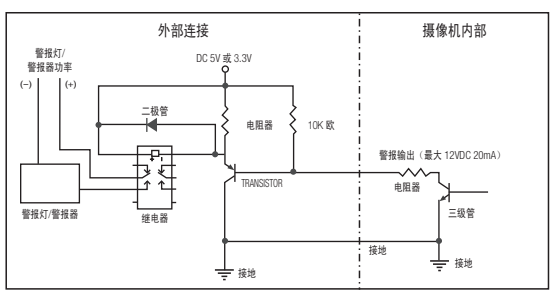


要连接警报输出

如果使用开路集电极方法连接超出电压和电流规格的设备（如闪光灯和警报器），它可能导致故障。在连接超出电压和电流规格的设备时，参考下面的警报输出连接线路图。

■ N.C.（常闭）方法不支持。

警报输出线路图



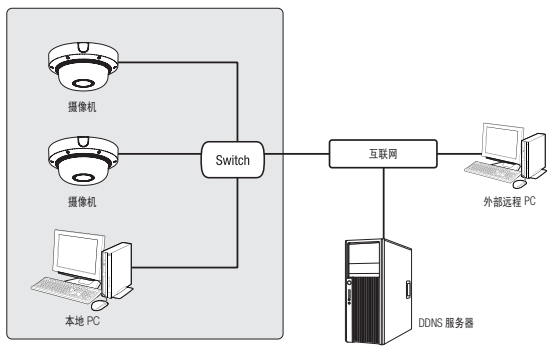
网络连接和设置

可根据您的网络配置来设置网络的设定。

在LAN环境下直接安装摄像机

连接局域网内的本地 PC 和摄像机

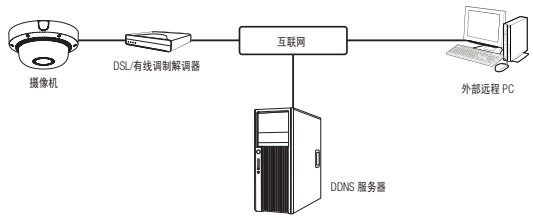
1. 启动本地 PC 上的Web浏览器。
2. 在浏览器地址栏中输入要访问的摄像机IP地址。



<局域网>

- 在正确设置防火墙或端口转发前，局域网外部的远程互联网 PC 可能无法连接安装于内部网的摄像机。
  在此情况下，联系网络管理员解决问题。
- 出货时, 摄像机被设置为DHCP服务器自动分配IP地址。
  如果没有可用的 DHCP 服务器，则会将 IP 地址设置为 192.168.1.100。
  要更改IP地址，请使用“Device Manager”。
  有关如何使用Device Manager，请参阅“**使用Device Manager**”。（第 19 页）

将摄像机直接连接至基于 DHCP 的 DSL/有线电视网调制解调器



1. 直接将用户 PC 与网络摄像机连接。
2. 使用“Device Manager”将摄像机的IP地址更改为可通过用户计算机从Internet浏览器从访问的IP地址。
3. 使用Web浏览器连接至 Web Viewer。
4. 移至 [**设置**] 页面。
5. 移至 [**网络**] – [**DDNS**] 并配置 DDNS 设置。
6. 移至 [**Basic**] – [**IP & 端口**]，并将网络类型设置为 [**DHCP**]。
7. 将摄像机与用户PC分开, 并直接连接到调制解调器。
8. 重新启动摄像机。

- 要了解如何设置 DDNS 的信息，请参阅 Web 查看器的在线帮助内容。
- 要了解如何设置 IP 格式的信息，请参阅 Web 查看器的在线帮助内容。

如何使用“DEVICE MANAGER”

- “Device Manager”可以访问Hanwha Techwin网站的（http://www.hanwha-security.com）<**在线工具**>进行下载。
- 您可以在主页的<**帮助**>菜单中查看如何使用“Device Manager”。

自动搜寻摄像机

如果摄像机连接到安装了“Device Manager”的PC相同的网络，则可以使用搜索功能查找网络摄像机。

1. 请在“Device Manager”主界面上点击<**搜索**>。
2. 确保在搜索列表中搜索到了要连接的摄像机。
   - 请在摄像机附带标签上确认MAC地址。

设置IP地址

若要更改摄像机的网络设置，< **状态** > 项目应标有 <**Login OK**>。 您可以通过单击“Device Manager”主界面上的 < **验证** > 来登录。

设置 Static IP

手动输入并设置IP地址和端口信息。

1. 在搜索列表中，单击要更改IP设置的摄像机。
2. 在“Device Manager”主界面上单击<**IP分配**>。
3. 选择<**分配IP地址**>。
   - 摄像机的IP信息将显示为先前设置的值。
4. 输入IP相关项目和端口相关项目。

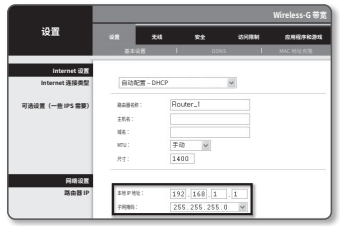
如果不使用IP路由器

有关<**IP地址**>、<**子网掩码**>和<**网关**>设置，请与网络管理员联系。

- HTTP端口：用于使用Web浏览器访问摄像机，默认值为 80。
- RTSP端口：此端口为控制实时流媒体的端口，默认值为554。

如果使用IP路由器

- IP Address：输入IP路由器提供的 IP 范围内的地址。
  例) 192.168.1.2~254, 192.168.0.2~254,
  192.168.XXX.2~254
- Subnet Mask：IP路由器的 <**子网掩码**> 将是摄像机的 <**子网掩码**>。
- Gateway：IP路由器的 <**本地 IP 地址**> 将是摄像机的 <**Gateway**>。



- 设置可能因连接的IP路由器型号而异。
  有关详细信息，请参阅适用路由器的用户手册。
- 如需IP路由器的正向端口的更多信息，请参阅“**路由器端口设置**”。（第 21 页）

如果IP路由器连接了多个摄像机

分别设置摄像机的IP相关项目和Port相关项目。

例)

类别		摄像机 1	摄像机 2
IP 相关设置	IP地址 子网掩码 网关	192.168.1.100 255.255.255.0 192.168.1.1	192.168.1.101 255.255.255.0 192.168.1.1
端口相关设置	HTTP端口 RTSP端口	8080 554	8081 555

- 如果<**HTTP端口**>设置为除 80 以外的值，您必须在Web浏览器的地址栏中提供 <**Port**> 号，才能访问摄像机。
  例) http://IP address: HTTP Port
  http://192.168.1.100:8080

5. 单击[**应用**]按钮。
6. 显示成功确认信息时请点击[**确定**]按钮。

网络连接和设置

设置 Dynamic IP

通过DHCP自动分配IP地址

- 动态 IP 环境示例
  - 如果连接了摄像机的IP路由器由 DHCP 服务器分配了 IP 地址
  - 将摄像机直接连接到使用DHCP方式的调制解调器时
  - 在LAN环境下, 从内部DHCP服务器获取IP时

1. 在搜索列表中单击要更改IP设置的摄像机。
2. 在“Device Manager”主界面上单击<**IP分配**>。
3. 请选择<**自动获取一个IP地址（DHCP）**>。
4. 请点击[**适用**]按钮。
5. 请在显示成功确认消息时点击[**确定**]按钮。

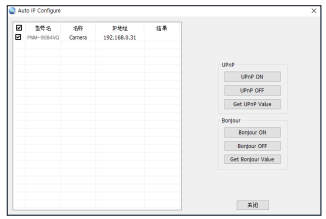
手动注册摄像机

如果通过搜索功能找不到摄像机，或者摄像机连接到外部网络，则可以手动输入 IP 信息以远程查找摄像机并进行注册。

1. 在“Device Manager”主界面上单击<**添加设备**> - <**手动注册设备**>。
2. 请输入要搜索的IP地址范围。
3. 选择您要注册的摄像机的<**型号名**>，然后输入HTTP端口、ID和密码。
4. 单击[**注册**]按钮。
5. 确保在列表中注册了所需的摄像机。
   - 检查相机附带标签上的MAC地址。

自动设置 IP

1. 在搜索列表中，单击要自动设置IP的摄像机。
2. 在“Device Manager”主界面上单击< **+** >。
   - 将会出现设备设置菜单。
3. 单击设备设置菜单中的<**Auto IP Configure (IP自动设置)**>。
4. 单击[**关闭**]按钮。

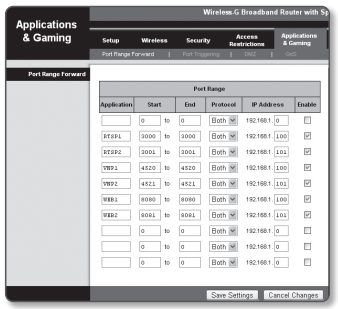


路由器端口设置

如果您安装了连接摄像机的IP路由器，就必须设置在IP路由器上前移的端口范围，以便远程 PC 可以其中的摄像机。

手动端口设置

1. 从IP路由器的 Setup 菜单中，选择 <**Applications & Gaming**> - <**Port Range Forward**>。
   关于第三方IP路由器端口转发的菜单位置和设置方法，请参阅各个IP路由器制造商提供的用户手册。
2. 对连接到IP路由器的每个摄像机选择 <**TCP**> 和 <**UDP Port**>。
   应当按照摄像机 web 查看器<**设置**> - <**Basic**> - <**IP & 端口**>中指定的端口数量设置要配置给 IP 路由器的各端口数量。
3. 完成后，单击 [**Save Settings**]。
   将保存设置。

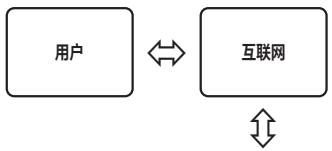


- 设置端口转发说明是CISCO IP路由器设置的示例。
- 设置可能因连接的IP路由器型号而异。
  有关详细信息，请参阅适用路由器的用户手册。

设置多个网络摄像机的端口范围前移

- 在路由器的设置页面，可设置路由器的端口转发。
- 用户可以使用摄像机设置屏幕更改每个端口。

当摄像机 1和摄像机 2连接至同一路由器时：



IP路由器			
开始	结束	协议	IP 地址
3000	3000	TCP/UDP	192.168.1.100
3001	3001	TCP/UDP	192.168.1.101
8080	8080	TCP/UDP	192.168.1.100
8081	8081	TCP/UDP	192.168.1.101

摄像机 1 (192.168.1.100)	
HTTP 端口	8080
RTSP 端口	3000

摄像机 2 (192.168.1.101)	
HTTP 端口	8081
RTSP 端口	3001

- 如果路由器支持 UPnP（通用即插即用）功能，无需额外路由器设置即可实现端口转发。
  连接好网络摄像机之后，选择“**设置** -> **网络** -> **DDNS**”下<**Wisenet DDNS**>中<**快速连接**>菜单中的复选框。

网络连接和设置

从共享的本地 PC 连接到摄像机

1. 运行“Device Manager”。
   它将扫描连接的摄像机，并显示摄像机列表。
2. 双击要访问的摄像机。
   Web浏览器将启动，并连接到摄像机。

▪ 您也可以在Web浏览器的地址栏中键入所发现摄像机的 IP 地址的方式访问摄像机。

从远程 PC 通过互联网连接到摄像机

在IP路由器的网络集群外部的远程计算机上，用户可以使用摄像机的DDNS URL访问IP路由器网络内的摄像机。

1. 您应该设置IP路由器端口范围前移，然后才能访问IP路由器网络中的摄像机。
2. 为了从外部的远程PC访问摄像机，启动浏览器后，在地址栏上输入DDNS URL地址或IP路由器的IP地址。
   例) http://ddns.hanwha-security.com/ID

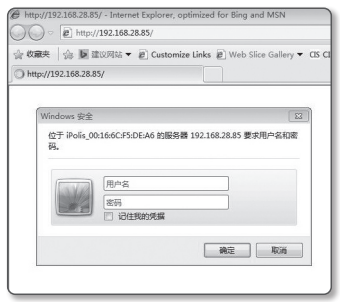
▪ 要使用WiseNet DDNS，您必须先在WiseNet DDNS主页（http://ddns.hanwha-security.com）上注册会员，然后在[**我的DDNS**]> [**产品注册**]中注册产品。

web 查看器

连接到摄像机

通常，您应该

1. 启动Web浏览器。
2. 在地址栏中键入摄像机的 IP 地址。
   例) • IP 地址 (IPv4) : 192.168.1.100 → http://192.168.1.100
   - 将会出现登录对话框。
   • IP 地址 (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111 → http://[2001:230:abcd:ffff:0000:0000:ffff:1111] - 将会出现登录对话框。



如果 HTTP 端口为除 80 以外的值

1. 启动Web浏览器。
2. 在地址栏中键入摄像机的 IP 地址和 HTTP 端口号。
   例) IP 地址 : 192.168.1.100:HTTP 端口号(8080)
   → http://192.168.1.100:8080 - 将会出现登录对话框。

使用 URL

1. 启动Web浏览器。
2. 在地址栏中键入摄像机的 DDNS URL。
   例) URL 地址 : http://ddns.hanwha-security.com/ID
   - 将会出现登录对话框。

▪ 在只有Local网的环境下，无法访问摄像机。

通过 UPnP 连接

1. 运行支持 UPnP 协议的客户端或操作系统。
2. 单击搜索到的摄像机名称。
   若是Windows操作系统, 单击在网络菜单上被搜索到的摄像机名称。
   - 登录窗口即显示出来。

通过 Bonjour 连接

1. 运行支持 Bonjour 协议的客户端或操作系统。
2. 单击搜索到的摄像机名称。
   若是Mac操作系统， 在Safari的Bonjour选项卡上,单击被搜索到的摄像机名称。
   - 登录窗口即显示出来。

检查 DDNS 地址

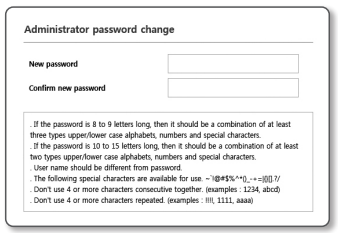
如摄像机直接正确连接至基于 DHCP 的线缆调制解调器或 DSL 调制解调器，每次尝试连接至 ISP（所订阅的公司）时，IP 地址都会变化。
在这种情况下，将不会通知您 IP 地址已被 DDNS 更改。

一旦您向 DDNS 服务器注册了基于动态 IP 的设备，当尝试访问该设备时，就可以轻松检查更改的 IP。
要向 <**DDNS**> 服务器注册您的设备，请访问 http://ddns.hanwha-security.com 并先注册您的设备，然后将 Web Viewer 的 <**网络**> - <**DDNS**> 设置为 <**Wisenet DDNS**>，在<**产品ID**>上输入已在DDNS服务器上所注册的产品 ID。

web 查看器

密码设置

首次访问产品时，必须先注册登录密码。

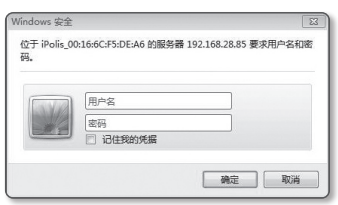


- 对于 8 到 9 位的新密码，必须至少使用下列 3 种类型：大写字母/小写字母、数字和特殊字符。对于 10 到 15 位的密码，必须至少使用上述两种类型。
  - 允许使用的特殊字符为：~`!@#$%^*()_-+=|{}[].?/
- 为了获得较高的安全性，建议您不要重复使用相同的字符作为密码，也不要使用连续的键盘输入作为密码。
- 如果您丢失了密码，可按住[**RESET**]按钮初始化该产品。因此请使用记事簿写下或记住您的密码以防丢失。

登录

每当访问摄像机时，登录窗口都会出现。
输入用户 ID 和密码以访问摄像机。

1. 在 <**用户名**> 输入框中输入“**admin**”。
   管理员 ID，即“**admin**”是固定的，无法更改。
2. 在 <**密码**> 输入字段中输入密码。
3. 单击 [**确定**]。
   如果已成功登录，您将会看到 Live Viewer 屏幕。



- 因视频数据没加密, 访问摄像机网络查看器时应格外注意。

- 如果您在完成输入之后选中“**记住我的密码**”选项，则从下次起将自动登录，而不会提示输入登录信息。
- 如果屏幕大小是 100%，则您可以体验最佳视频质量。降低该比率可能会切掉边框上的图像。

设置摄像机WEB查看器

1. 点击[**设置** (⚙)]图标。
2. 出现设置窗口。
3. 可通过网络配置摄像机基本信息、视频、音频、网络、事件、分析和系统设置。
4. 点击<**帮助** (?)>查看各项功能的详细描述。

附录

故障排除

故障	解决方法
在 Safari 上通过 HTTPS 访问无插件 web 浏览器时，将不会播放任何视频。	• 在初次访问 https 时出现的验证演出窗口中，点击"查看验证证书"然后选择"连接至指定 web 查看器 IP 时始终信任"复选框。 • 如在下列消息窗口中选择"下一步"之后，web 查看器依然无法播放视频，请按命令键 + Q 退出 Safari 浏览器，再次访问并执行上述步骤。
无法使用Web浏览器访问摄像机。	• 检查摄像机的网络设置 是否正确。 • 检查网络缆线是否正确 连接。 • 若使用 DHCP 连接、检查摄像机是否能够 无故障地获得动态 IP 地址。 • 若摄像机与IP路由器连接、确认是否 正确设置了端口转发。
查看器在监视期间断开。	• 已连接的查看器在摄像机或网络配置发生更改时会断开。 • 检查所有的网络连接。
在"Device Manager"中找不到连接到网络的摄像机。	• 关闭 PC 上的防火墙设置、再次搜索摄像机。
图像重叠。	• 检查是否将多个摄像机应当设置的不同地址设为了同一多播地址。 多个摄像机共享同一地址可能会导致图像的重叠。
无图像出现。	• 如果传输方法设置为多播，请检查摄像机所连接的 LAN 中是否有路由器支持多播。 • 检查镜头模组是否正常工作。
<分析> 的 <移动探测> 设置为 <启用> 但我未收到任何电子邮件通知，甚至发生了分析事件也是如此。	• 按以下顺序验证设置 ： A. 检查 <日期和时间> 设 置。 B. <移动探测> 应设置为 <启用>。 C. 检查 <事件设置> 菜单的 <电子邮件> 选项是否选择为使用。
无法录制到 Micro SD 内存卡。	• 检查内存卡是否有缺陷。
插入了 Micro SD 内存卡，但摄像机操作不正常。	• 检查是否以正确的方向插入内存卡。 不能保证本摄像机装置能正常使用由其他设备格式化的内存卡 • 在 <设置> → <事件> → <存储器> 菜单中，再次格式化内存卡。

OPEN SOURCE ANNOUNCEMENT

GPL/LGPL software license

The software included in this product contains copyrighted software that is licensed under the GPL/LGPL. You may obtain the complete Corresponding Source code from us for a period of three years after our last shipment of this product by sending email to help.cctv@hanwha.com

If you want to obtain the complete Corresponding Source code in the physical medium such as CD-ROM, the cost of physically performing source distribution might be charged.

GPL SW

Component Name	License	URL
Base Kernel	GPL 2.0	
Busybox	GPL 2.0	http://www.busybox.net/downloads/snapshots
iproute2-4.3.0	GPL 2.0	
iptables-1.4.21	GPL 2.0	http://ftp.netfilter.org/pub/iptables
ethtool-4.2	GPL 2.0	
mtd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtd-utils
mii-diag-2.11	GPL 2.0	
rp-pppoe-3.11	GPL 2.0	http://www.roaringpenguin.com/pppoe/
wpa_supplicant-2.5	GPL 2.0	
bash-4.3.30	GPL 3.0	
zeroconf	GPL 2.0	

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Component Name	License	URL
gLibc	LGPL 2.0	
Inetutils	LGPL 3.0	
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3. to run the Source Code modified in accordance with the provision of Article 4.3 (1) above for its own research, development and the like.

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4. In accordance with the license granted under Article 4.1 above, the System Developer may perform the following acts:

1. to perform any and all acts set forth in the Article 4.3 above.

2. to develop and manufacture the Embedded Product containing the Binary Code, and, whether with or without payment, provide the End User with the same and make the Binary Code available to the End User on the Embedded Product.

5. The Source Code User and the System Developer shall be obligated to give a notice that the Source Code is used, in such a way as separately specified by T-Engine Forum, when they use the Source Code or the Binary Code, or make the Binary Code available for the End User on the Embedded Product.

Article 5. Distribution of Modified Source Code

1. Any of A- members of T-Engine Forum may become the Distributor of Modification by obtaining the approval of T-Engine Forum through the registration procedure as prescribed by the Forum provided that only the department of the A- member which has taken the registration procedure may distribute the Modified Source Code in such a way as provided for in this Article as long as it holds the Amembership.

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4. The Distributor of Modification shall determine the name of the Modified Source Code subject to the rules separately established by T-Engine Forum and publish an appropriate notice as required by the rules on the Patch for Modification and the Modified Source Code.

5. The Distributor of Modification may distribute the Modified Source Code to a third party, whether with or without payment, provided that the Distributor of Modification shall take the necessary measures to prohibit the third party from making the re-Distribution of the Modified Source Code.

6. Developer with the Patch for Modification. Provided, however, that the Distributor of Modification shall be obligated to confirm that the System Developer is the Source Code User duly licensed under Article 4.1.

7. The Distributor of Modification may perform the Vicarious Execution of Patch Processing for the System Developer.

8. The System Developer shall not distribute the Modified Source Code in further modified form to any third party as a stand-alone software product.

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1. The Source Code User and the System Developer may, whether with or without charge, distribute to any third party only the following parts of the Ported Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware:

1. The Hardware-dependent Part and/or Compiler-dependent Part; provided that the Source Code User and the System Developer shall inform T-Engine Forum of, and T-Engine Forum may publish, a method for distributing said Part(s) to third parties.

2. The Header File; provided that the Header File shall be distributed together with the Binary Code of the Ported Source Code.

2. Any member of T-Engine Forum may request T-Engine Forum to register and distribute, as an original source code for T-Kernel, the Ported Source Code on the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.

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1. The member shall confirm that the object hardware is the T-Engine Hardware or the Similar Hardware to T-Engine Hardware.

2. The member shall provide T-Engine Forum with a complete set of operational environment for the object hardware and T-Kernel free of charge when requesting the distribution.

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4. In the event that T-Engine Forum accepts the request mentioned in Article 6.2, T-Engine Forum shall register and distribute the Ported Source Code as the Source Code for T-Kernel. Provided, however, that the Ported Source Code may be treated in the same way as the Modified Source Code until the time of registration hereunder.

5. The provision set forth in Article 3 shall apply to the Ported Source Code registered in accordance with this Article.

Article 7. Use for Other Purpose

1. Any use of the Source Code, the Modified Source Code or the Ported Source Code other than those stipulated in Articles 4, 5 and 6 shall be subject to the prior approval of T-Engine Forum.

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3. Any legal dispute which may arise in relation to any breach of this License Agreement shall be subject to the exclusive jurisdiction of the Tokyo District Court.

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Iperf performance test

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://www.ietf.org/rfc/rfc1950.txt (zlib format), rfc1951.txt (deflate format) and rfc1952.txt (gzip format).

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