

网络摄像机

用户手册

QNB-6002/QNB-8002



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。

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12Vdc，0.5A或 PoE，0.13A。(QNB-6002)
16. 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12Vdc，0.5A或 PoE，0.13A。(QNB-8002)
17. 本产品连接外部电源时请使用隔离电源
18. 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。
19. 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。
20. 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。
21. 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。
22. 在水下安装或使用本产品可能导致产品严重损坏。
23. 该设备已使用STP电缆进行了验证。为了有效的保护产品和资产免受过度电压、雷击和通信干扰，建议使用适当的GND接地和STP电缆。



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)。
无法更换电池。

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。
按照说明妥善处理废旧电池。
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。
本产品提供的 VIDEO 输出端子是为了便于安装, 建议不要用于监视目的。
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 Vision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 Vision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。

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。

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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
 - 建议使用的浏览器：Chrome
 - 受支持的浏览器：Chrome, Safari, Firefox, MS Edge(chromium based)
 - 支持的操作系统：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 128GB（需要MLC类型）
- 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。

NAS 建议规格

- 建议容量：200GB 或更高
- 对于本摄像机，建议使用符合以下制造商规格的 NAS。
建议产品：QNAP NAS, Synology NAS

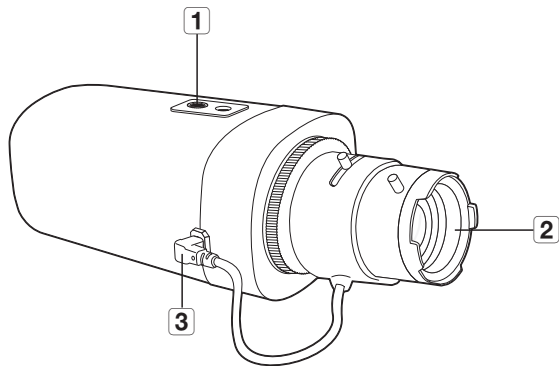
随机提供的物品

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	
	用于测试显示器的电缆	1	用于测试摄像机至便携式显示设备的连接
	6 位置接线端子	1	用于警报输入/输出端子
	片状镜头座	2	将其安装在摄像机与镜头之间可调节焦点
选件(未包括)			
	CS/C 镜头		将插入摄像机的可选镜头

简图

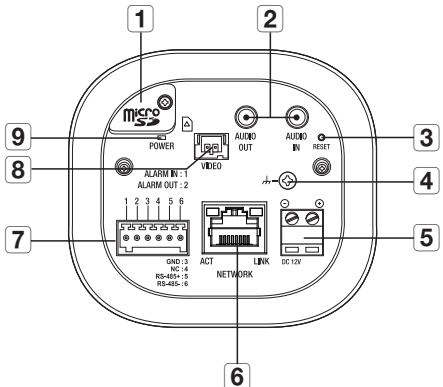
前面



项目	说明
1 安装支架螺钉孔	用于将摄像机固定到安装支架上。 ■ 螺钉尺寸：这是用于将摄像机固定到支撑表面的螺丝的规格。 1/4 英寸 - 20 UNC 长度：4.5±0.2 毫米 (ISO 标准) 或 0.197 英寸 (ASA 标准)
2 自动光圈镜头 (可选)	安装在镜头适配器上。
3 自动光圈镜头连接器	用于电源和输出信号控制镜头光圈。

■ 未随附安装支架。
有关使用安装支架的更多信息，请参阅产品的文档。

背面



项目	说明	
1 Micro SD 存储卡槽	用于安装 Micro SD 存储卡。	
2 音频输出端子	AUDIO OUT	用于连接到扬声器。
	AUDIO IN	用于连接到麦克风。
3 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。 ■ 如果复位摄像机，则会调整网络设置，以便可以启用 DHCP。如果网络中没有 DHCP 服务器，则必须运行 IP Installer 程序更改基本的网络设置，如 IP 地址、子网掩码、网关等，然后才能连接到网络。	
4 照明保护性接地端口	用来在外部安全地断开照明电路以保护摄像机。	
5 电源端口	用于插入电源线。	
6 网络端口	用于连接 PoE 或网络连接的以太网电缆。	

概述

项目	说明	
7 警报 I/O 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	用于连接地线。
	RS-485+	RS-485 数据线
	RS-485-	RS-485 数据线
8 影像输出	用于测试监视视频输出的输出端口。使用测试监视器电缆来连接至移动显示器并检查测试视频。	
9 电源指示灯	POWER	开：电源已打开 关：电源已关闭

 ■ RS-485 端口只用于控制外部云台或解码器的旋转，不支持与外部RS-485控制键盘连接。

安装与连接

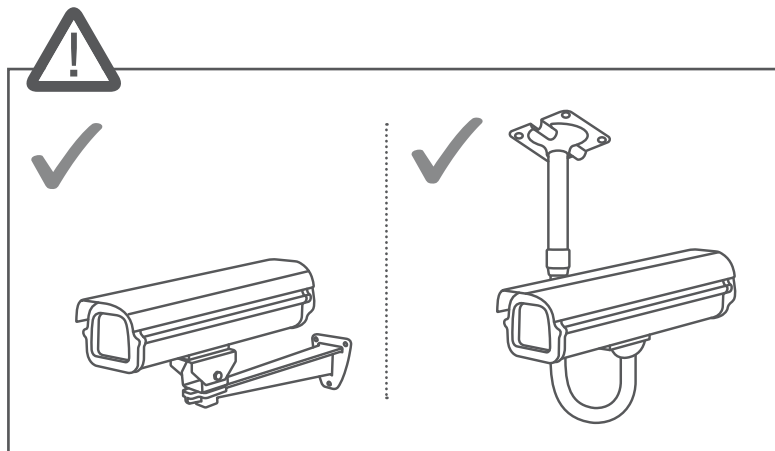
安装

■ 摄像机外露的电线插头并不防水。以防电线暴露在外，建议安装在屋檐下。

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。
- 安装摄像机时，建议使用外壳（需另购）。



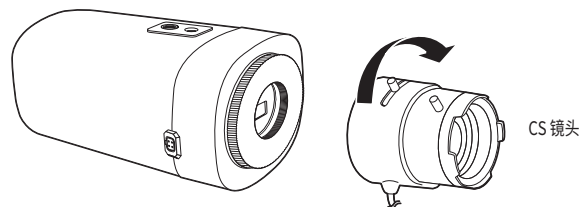
安装镜头

在安装前要断开电源。

■ 产品包装不包括 C/CS 型镜头和 C 型支架转接器。
本产品只能与百万像素镜头一起使用。

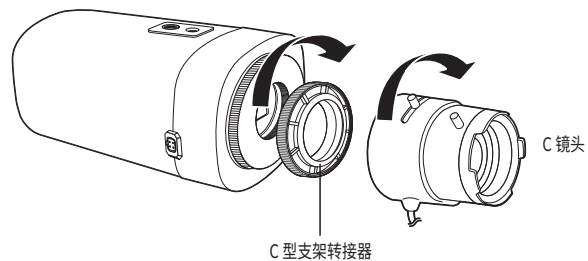
在摄像机上安装 CS 镜头

顺时针转动 CS 镜头以将其接上。



在摄像机上安装 C 镜头

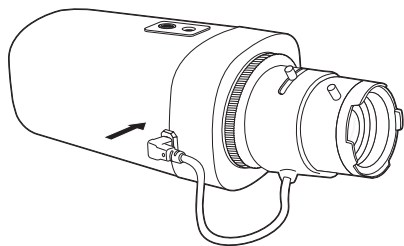
顺时针旋转 C 型支架转接器，然后顺时针旋转 C 型镜头。



安装与连接

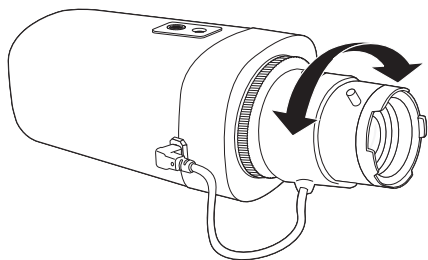
连接自动光圈镜头连接器

将镜头的光圈连接器插入摄像机连接槽。



对焦

选择要拍摄的目标，转动镜头的缩放杆以调整放大倍数，然后对焦镜头以使目标清晰显示。



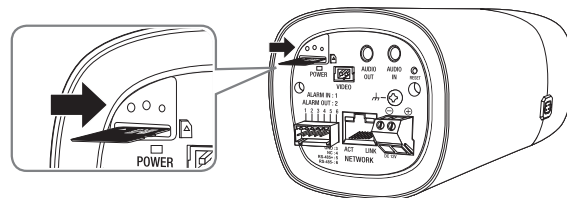
- ❏ 如果无法对焦，请在摄像机和镜头之间插入1~2个片状镜头座进行组装并对焦。

插入/取出 MICRO SD 存储卡

- ❗ 请先从摄像机拔下电源线，再插入 Micro SD 存储卡。
- 请勿在 Micro SD 存储卡倒放时用力插入。可能会损坏 Micro SD 存储卡槽。

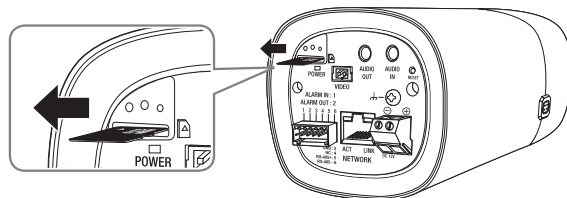
插入 Micro SD 存储卡

请按图中所示箭头方向推 Micro SD 存储卡。

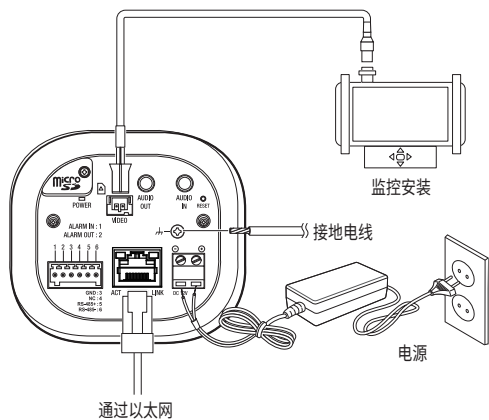


取出 Micro SD 存储卡

轻轻地按压存储卡露在外面的一端，依图示的方式从卡槽中弹出存储卡。



- ❗ 在移除 Micro SD 存储卡前，请在 <存储器> 中将设备设置为 <关>，然后按下 [应用] 按钮并关闭摄影机。（第 44 页）
- 如果关闭摄像机或取出 Micro SD 内存卡，并且其中包含来自产品的数据，则数据可能丢失或受损。



■ 本产品提供的 VIDEO 输出端子是为了便于安装，建议不要用于监视目的。

以太网连接

将以太网电缆连接到本地网络或互联网。

电源

使用螺丝刀将每股电源线 (+, -) 连接至摄像机的相应电源端口。

- 您也可以使用具有 PoE 功能的路由器为摄像机供电。
- 使用符合 IEEE802.3af 协议的 PoE。
- 在连接电源线时，切勿弄反极性。
- 如果要连接外部设备，则必须先关闭外部设备再继续进行。

每个型号的电源电缆规格

对于 DC 12V 输入：

股线类型 (AWG)	#22	#20
电缆长度 (最大)	18米	28米

网线规格

项目	内含物	备注
连接器	RJ45	
以太网	10/100Base-T	10/100 Mbps
电缆	超五类	
最大距离	100米	
PoE 支持	IEEE 802.3af	

使产品接地

使用螺丝刀将接地线连接到位于电源输入端子上面的接地端子。

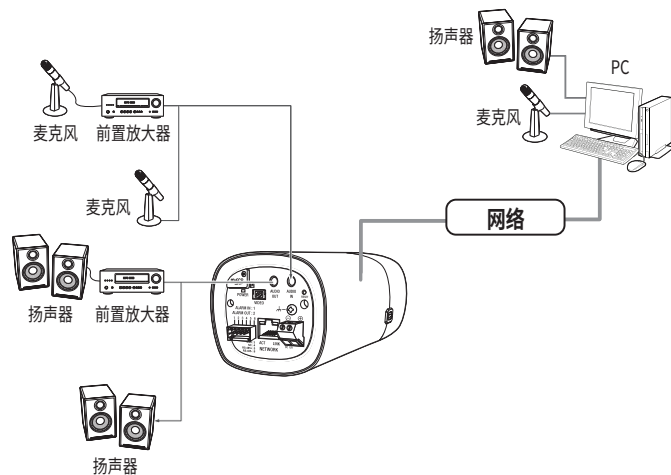
- 接地可让产品免遭电涌或闪电破坏。
- 接地时，请确保关闭产品的电源。

建议的接地电线

- 长度：不超过 3M
- 容量规格：18 AWG 或更大
示例) UL1007 AWG 18/16、UL1015 AWG18/16/14/12 或 UL2468 AWG18/16/14

安装与连接

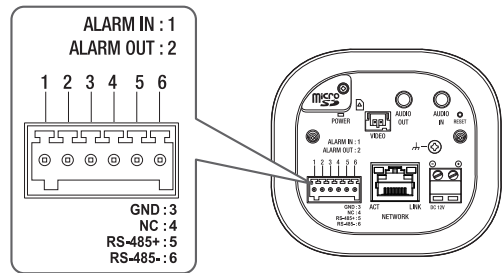
连接音频输入/输出



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)
 - 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：线路输入 (3.5mm 单声道插孔), 支持的电压: 2.5VDC (4mA), 输入电阻: 2K 欧姆
 - 音频输出：线路输出 (3.5mm 单声道插孔), 最大输出: 1Vrms
 - 线路输出阻抗：600Ω

连接到 I/O 端口

将警报 I/O 信号连接到后面端口盒的相应端口。



- 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：用于连接地线。
- RS-485+：RS-485 接收器 (+) 的通信端口。
- RS-485-：RS-485 接收器 (-) 的通信端口。

连接外部 RS-485 设备

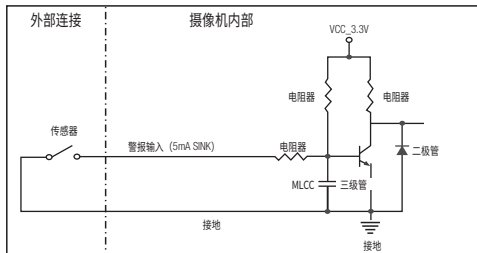
使用 [RS-485 +, -] 端口连接摄像机与外部设备。
通过 RS-485 通信控制摄像机的平移/倾斜操作。

- 对于 RS-485 通信, 建议使用 GND 连接。如果您遇到通信故障, 适当地连接 GND 引脚可以更正摄像机与外部设备之间的 GND 电平。

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

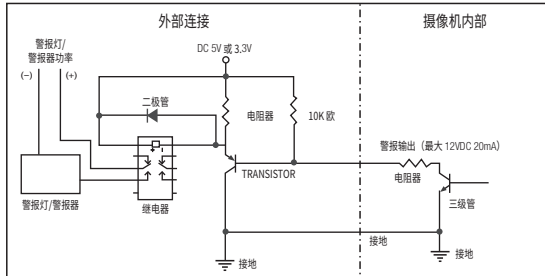


要连接警报输出

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。

警报输出线路图



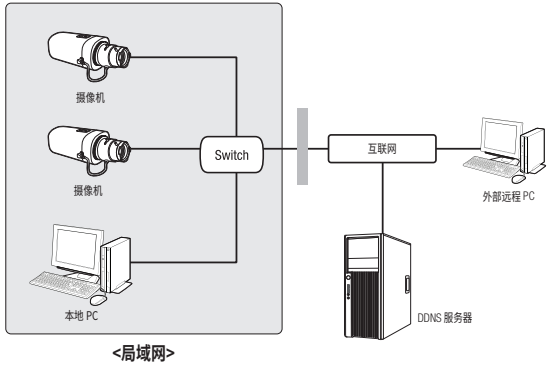
网络连接和设置

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

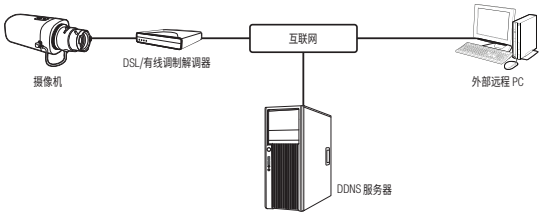
连接局域网内的本地 PC 和摄像机

- 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。



- 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15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

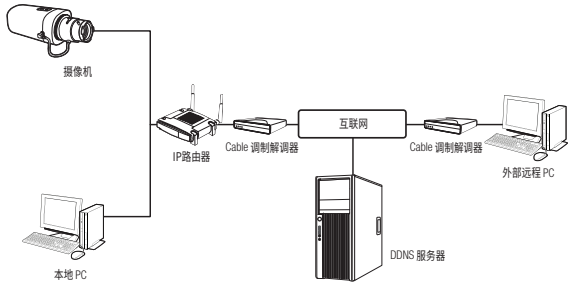


- 1. 直接将用户 PC 与网络摄像机连接。
- 2. 使用“Device Manager”将摄像机的IP地址更改为可通过用户计算机从Internet浏览器从访问的IP地址。
- 3. 使用Web浏览器连接至 Web Viewer。
- 4. 移至 [设置] 页面。
- 5. 移至 [网络] - [DDNS] 并配置 DDNS 设置。
- 6. 移至 [Basic] - [IP & 端口]，并将网络类型设置为 [DHCP]。
- 7. 将摄像机与用户PC分开，并直接连接到调制解调器。
- 8. 重新启动摄像机。

- 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。

将摄像机与使用 CABLE 调制解调器的IP路由器连接

适用于小型网络环境,如家庭、SOHO 以及普通的商店。



配置与IP路由器连接的本地PC的网络设置

在配置连接到IP路由器的本地 PC 的网络设置时, 遵循以下说明。

- 选择: <网上> → <属性> → <本地连接> → <常规> → <属性> → <Internet 协议 (TCP/IP)> → <属性> → <自动获得 IP 地址> 或 <使用下面的 IP 地址>。
- 若您选择的是 <使用下面的 IP 地址>, 遵照以下说明操作:

例1) 若IP路由器的地址 (LAN IP) 为 192.168.1.1
IP 地址: 192.168.1.100
子网掩码: 255.255.255.0
默认网关: 192.168.1.1

例2) 若IP路由器的地址 (LAN IP) 为 192.168.0.1
IP 地址: 192.168.0.100
子网掩码: 255.255.255.0
默认网关: 192.168.0.1

例3) 若IP路由器的地址 (LAN IP) 为 192.168.xxx.1
IP 地址: 192.168.xxx.100
子网掩码: 255.255.255.0
默认网关: 192.168.xxx.1

- 关于IP路由器的地址, 请参见产品文档。
- 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17页)

如何使用“DEVICE MANAGER”

- “Device Manager” 可以访问Hanwha Vision网站的 (<https://www.HanwhaVision.com>) <Support> - <Online Tool> 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。

- 请在 “Device Manager” 主界面上点击<搜索>。
- 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。

密码设置

首次访问产品时, 必须先注册登录密码。

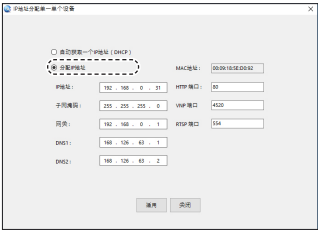
设置IP地址

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。

- 在搜索列表中, 单击要更改IP设置的摄像机。
- 在 “Device Manager” 主界面上单击<IP分配>。
- 选择<分配IP地址>。
 - 摄像机的IP信息将显示为先前设置的值。
- 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。

网络连接和设置

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 17 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	192.168.1.100	192.168.1.101
	子网掩码	255.255.255.0	255.255.255.0
	网关	192.168.1.1	192.168.1.1
端口相关设置	HTTP端口	8080	8081
	RTSP端口	554	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。

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

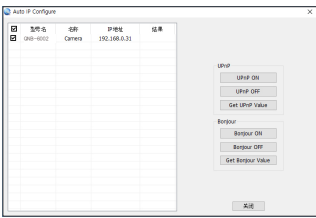
如果通过搜索功能找不到摄像机，或者摄像机连接到外部网络，则可以手动输入 IP 信息以远程查找摄像机并进行注册。

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. 请选择要注册的摄像机的<型号名>并输入HTTP端口、用户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。

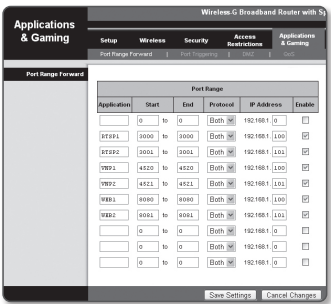


路由器端口设置

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。



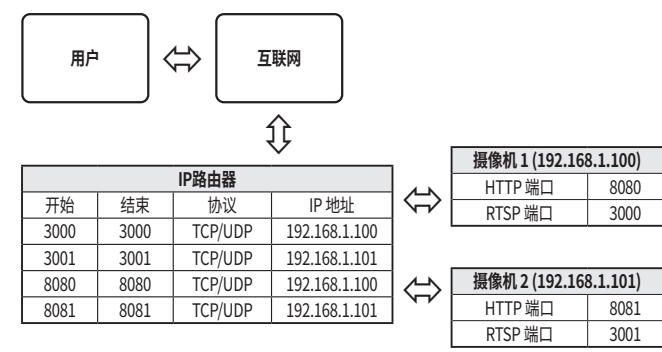
- 设置端口转发说明是CISCO IP路由器设置的示例。
- 设置可能因连接的IP路由器型号而异。
有关详细信息，请参阅适用路由器的用户手册。

网络连接和设置

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：



- 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 <DDNS> 中 <快速连接> 菜单中的复选框。

从共享的本地 PC 连接到摄像机

- 运行 “Device Manager” 。
它将扫描连接的摄像机, 并显示摄像机列表。
- 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。

- 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。
- 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DDNS, 您必须先在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。

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。

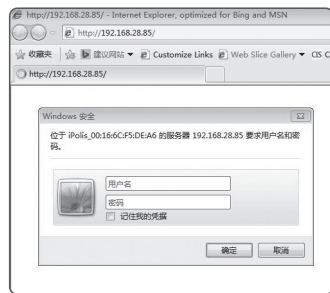
使用 URL

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

如果摄像机直接连接到 DHCP 有线电视网调制解调器或 DSL 调制解调器, 每当您尝试连接到 ISP (互联网服务提供商) 服务器时, 您的网络 IP 地址都会更改。

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 <DDNS>, 在 <产品ID> 上输入已在 DDNS 服务器上所注册的产品 ID。

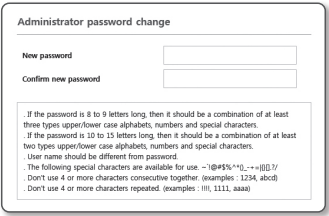
web 查看器

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。

- 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。
- 在 <密码> 输入字段中输入密码。
- 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

- 单击[设置 (⚙️)]图标。
- 出现设置窗口。
- 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。
- 单击<帮助 (🔗)>查看各项功能的详细描述。

故障排除

故障	解决方法
当 Windows 10 用户通过 Chrome 或 Firefox 浏览器访问 web 查看器时, 麦克风音量将做周期性变化。	当 Realtek 驱动程序被设置为麦克风驱动程序时出现此现象。安装高清音频设备 (Windows 默认驱动程序) 或第三方驱动程序作为麦克风驱动程序。
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。

故障	解决方法
即使配置了音频输入设置, 也不会录音。	您必须在 <Basic> - <视频配置文件> 中启用 <音频输入> 复选框。
<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。
即使在产生智能视频分析事件时, 在报警输出端口也找不到信号。	检查警报输出端口设置。
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> 菜单中, 再次格式化内存卡。
无法录制到 NAS。	确认 NAS 中注册的信息正确无误。
系统报告 NAS 设置失败。	- 确认 NAS 的 IP 地址有效。 - 确认 NAS 的 ID/密码有效。 - 确认您可以访问使用 NAS 的 ID 指定为基本文件夹的文件夹。 - 确认 NAS 的 SMB/CIFS 项已被取消选中。 - 确认 NAS IP 地址和摄像机 IP 地址的格式正确。 - Ex) NAS 和摄像机子网掩码的初始值是 255.255.255.0。 - 如果 IP 地址是 192.168.20.32, NAS IP 地址的范围应该是 192.168.20.1~192.168.20.255。 - 检查在未对已存或使用过的默认文件夹进行格式化前, 是否以其他用户进行连接。 - 确认使用了建议的 NAS 设备。

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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	
mtdd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mtdd-utils
mi-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	

LGPL SW

Component Name	License	URL
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inetutils	LGPL 3.0	
neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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