

WISeNeT

网络摄像机

用户手册

PNM-9320VQP

SLA-2M2400P/2M2800P/2M3600P/2M6000P/
2M1200P/5M3700P/5M4600P/5M7000P



网络摄像机 用户手册

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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. 本产品应由经认证的、带“2类”或“LPS”且额定电压为 PoE, 1.5A. 的电源装置供电。(PNM-9320VQP)
16. 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。
17. 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。
18. 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。
19. 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。
20. 在水下安装或使用本产品可能导致产品严重损坏。



警告

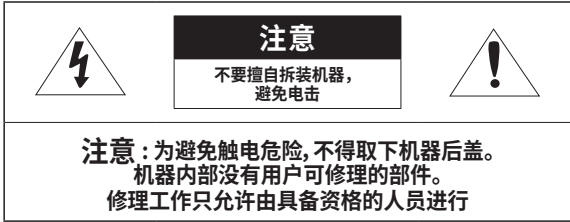
为防止火灾或电击等引起的破坏, 不要把产品暴露于水中或潮湿处。请勿穿过设备上的通风栅格或其他开口插入任何金属物体。

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。

Pan/Tilt/Zoom电动机和Slip ring可确保连续运行1年的部件寿命。

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 CVBS 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 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。

- 本产品有其他防潮产品。产品特性上，接通电源后初期会发生结露，但2~3个小时后会消失。
- 本产品适用防水通风构造，不要设置在人为发生急剧温度变化的地方。
- 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。

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。

概述

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安装与连接

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网络连接和设置

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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
 - 支持的操作系统：MS Windows、Mac OS X
 - 支持的 web 浏览器：Google Chrome、MS Edge、Mozilla Firefox(Windows 64bit 仅支持)、Apple Safari (仅支持 Mac OS X)、MS Explorer
- 通过验证的OS与浏览器的详细版本信息请参考附件。
在浏览器上部分功能的使用有可能受到限制。

建议的 MICRO SD/SDHC/SDXC 存储卡规格

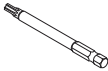
- 建议容量：16GB 至 256GB（MLC 类）
- 建议本摄像机搭配使用以下生产商制造的以下类型的存储卡。
 - 生产商：SanDisk（闪迪）、Transcend（创见）
 - 产品系列：高耐用度
- 建议使用符合 UHS-3 类（MLC 类型）规格的 16GB 或更大容量的存储卡。

随机提供的物品 (PNM-9320VQP)

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	
	保修卡（可选）	1	
	HPoE注射器	1	电源供应及网络连接
	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
	电源线	1	连接至HPoE注射器

外观	品名	数量	功能
	接线端子	1	连接警报输入/输出
	内六角扳手	1	连接底座与摄像机机身，用于拧紧螺母
	五角扳手	1	用于组装/拆卸汽包盖和SD卡门
	六角螺丝	3	用于连接底座与摄像机机身
	底座	1	用于安装产品的支架
	防水配件	1	用于安装在潮湿的地方

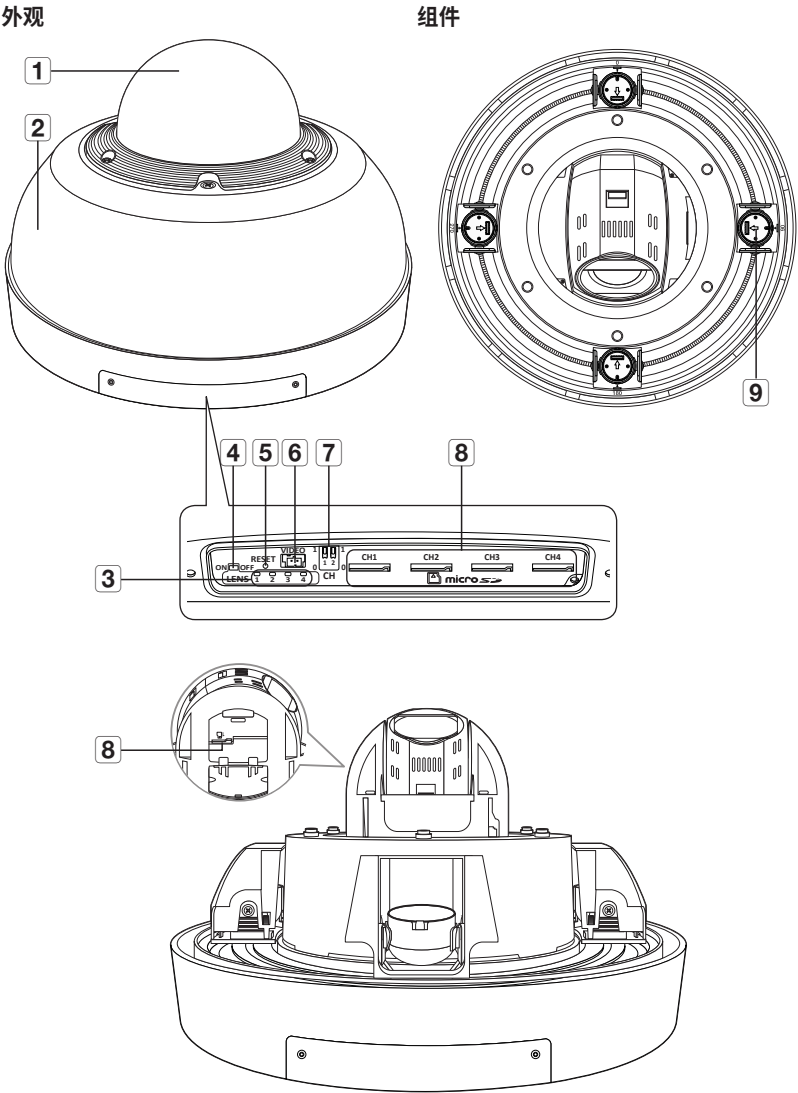
外观	品名	数量	功能
	钻头	1	用于组装/拆卸汽包盖和SD卡门（用于电动工具）
	铁氧体磁心	1	用于屏蔽电源中高频组件和信号末端， 以免向外辐射。 ■ 建议使用前将其围绕电缆和 LAN 线缆缠绕 2 次。

概述

随机提供的物品 (镜头模组 - 选配)

外观	品名	数量	功能	型号名称
	镜头模组	1	安装到 PNM-9320VQP 上	SLA-2M2400P
		1		SLA-2M2800P
		1		SLA-2M3600P
		1		SLA-2M6000P
				SLA-2M1200P
		1		SLA-5M3700P
		1		SLA-5M4600P
		1		SLA-5M7000P

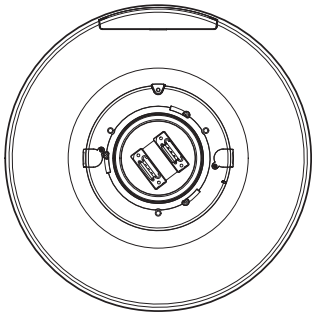
简图 (PNM-9320VQP)



名称	功能
1 球罩	用于保护镜头和机身的护盖。
2 视窗套	用于保护镜头和机身的护盖。
3 镜头模组指示灯 (正常状态：绿色, 异常状态：红色)	如镜头模组已正确连接，绿色 LED 指示灯将亮起，然后约 40 秒后关闭。（防止出现不良反应）
4 电源开/关开关	用于开/关产品的开关。 ■ 仅在更换镜头模块时使用。
5 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）
6 测试显示器输出	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。
7 DIP 开关, 用于切换通道	切换 DIP 开关，以指定您想要用于观看安装视频的通道。 ■ 只能查看 4CH 镜头模块的视频，而不能查看 PTZ 的视频。
8 Micro SD 内存卡槽	用于 Micro SD 内存卡的卡槽。
9 镜头模组安装部分	这是安装镜头模组的终端。

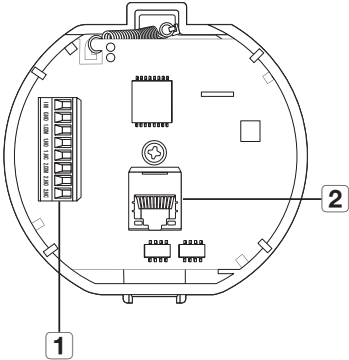
概述

安装面



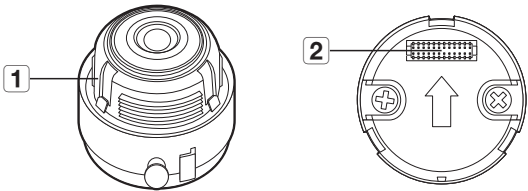
项目	说明
1 警报输出端子	连接警报输出电缆的端子。
2 网络/电源接线端子	是通过RJ45电缆连接至电源和网络的端子。

底座内部



简图 (镜头模组)

外观



项目	说明
1 镜头模组	这是用于录制视频的镜头模组。
2 摄像机连接器	这是用于连接摄像机的端子。

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：

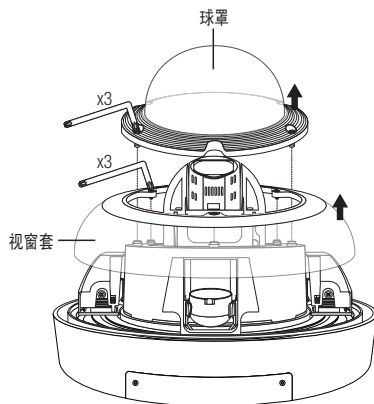
- 选择一个至少可以承受 5 倍摄像机重量的安装地点。
- 破损或脱皮电缆可能会损坏产品或引起火灾。
- 为安全起见，让其他人远离安装地点。将个人所有物放在安装点一侧，以防万一。
- 如安装产品时用力过猛，可能因故障导致摄像机损坏。
使用不兼容工具强行安装可能损坏产品。
- 请勿在电源打开的状态下安装或拆卸镜头模块。

拆解

使用提供的五角扳手或钻头沿逆时针方向松开连接用螺钉，卸下气泡盖和视窗套。

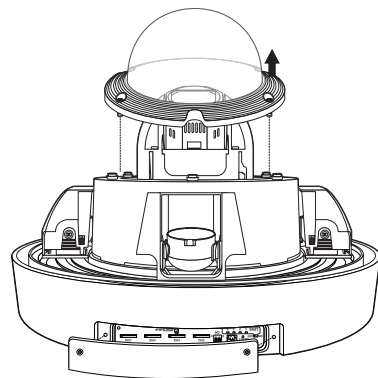
- 无需从盖子上完全卸下螺钉。
- 仅在安装用于PTZ的Micro SD卡时卸下气泡盖。除此之外，请勿卸下气泡盖。
- 安装镜头模块时请卸下视窗套。无需分离气泡盖。

- 由于气泡盖和视窗套是透明的，因此没有安全电缆。请注意产品不要被摔坏。



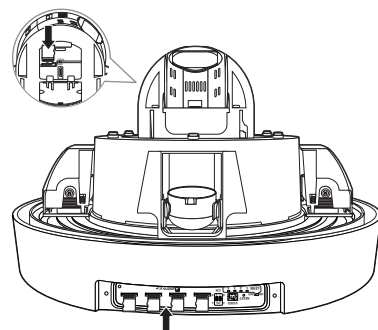
插入Micro SD存储卡

1. 请用五角扳手或钻头分离气泡盖和SD卡门。



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。
- 插入PTZ用Micro SD卡时，请分离气泡盖。

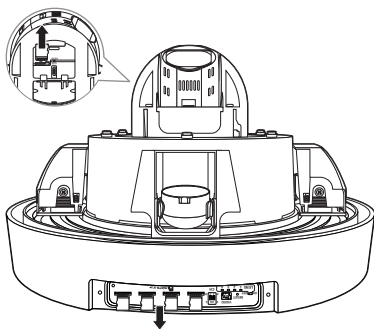


安装与连接

拆卸Micro SD存储卡

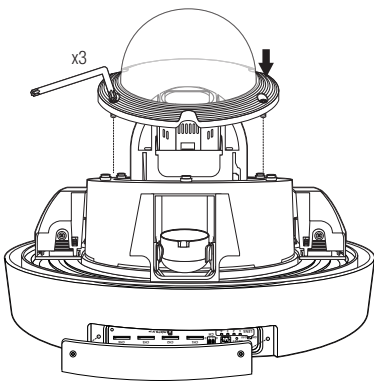
1. 轻轻地按压存储卡露在外面的一端，依图示的方式从拆槽中弹出存储卡。

- 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。
- 在移除MicroSD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。
- 将数据保存在MicroSD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。



2. 请用五角扳手或钻头连接气泡盖和SD卡门。

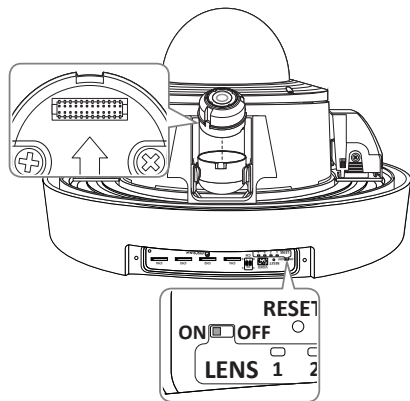
- 为防止防水功能下降，请用五角扳手或钻头拧紧紧固螺栓。



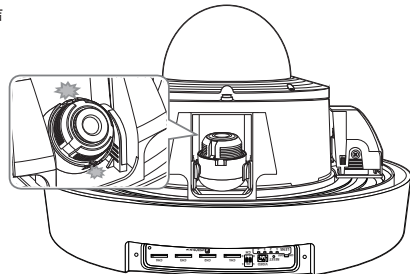
安装镜头模组

1. 将镜头模组的连接器对齐摄像机机身连接器并固定。

- 镜头模块需在未连接电源(HPoE)的情况下安装。
- 在安装镜头模块之前，请确保电源开关设置为“OFF”。如果镜头模块更换在“ON”状态下可能会导致产品故障。
- 建议避免单独调整镜头，因为镜头出厂时已在出厂检验过程中调整了对焦。



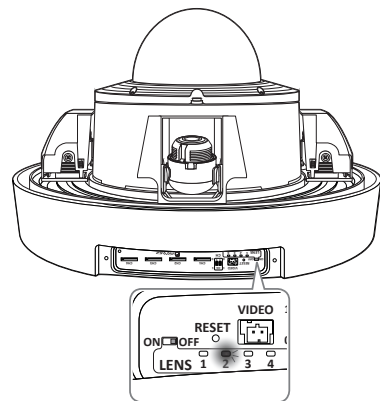
- 插入镜头模块时，需要插入到上下挂钩上有“咔嗒”声为止。



2. 完成镜头安装过程。

3. 将产品连接到电源(HPoE)。

- 如镜头模组未正确连接，镜头模组状态指示灯将亮起红光，如图所示。如出现此情况，关闭电源并重新连接镜头模组。如已正确连接，将亮起绿光，然后约40秒后关闭。
- 在电源连接(HPoE)中更换镜头模块时，将电源开关设置为“OFF”，更换完镜头模块后再将电源开关设置为“ON”。
- 如果使用尖锐的工具操作开关则有可能造成开关破损。
- 请注意，过度用力操作开关有可能造成开关破损。



准备和安装摄像机支架

有关支架和机盒的安装指南, 请参阅支架或机盒随附的安装手册。

■ 可用的支架型号

型号	项目
SBP-390WM2	墙上安装适配器
SBP-300CM	天花板安装适配器
SBP-300LM	胸墙安装适配器
SBP-300KM	角落安装适配器
SBP-300PM	柱式安装适配器

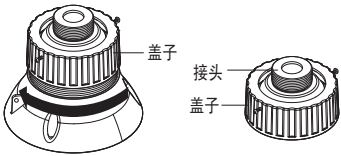
■ 有关每个支架 (未捆绑提供) 外观的信息, 请参阅“可选的安装附件”。(第 17 页)

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。
有关单独销售的产品, 请参阅“可选的安装附件”。(第 17 页)

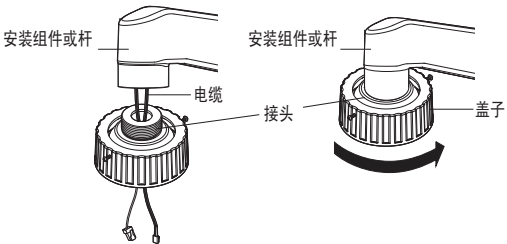
1. 按箭头方向旋转Cap, 将Cap和Joint分开。

■ 如果您未使用SFP模块进行安装, 则可以跳过步骤1到6的安装过程。



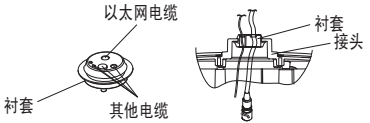
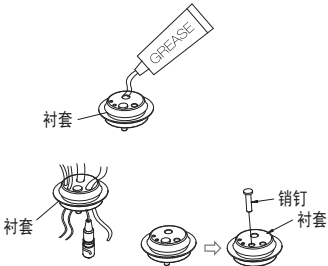
2. 将露在Mount或Pole外部的电缆穿过Joint。

3. 按箭头方向旋转Joint, 拧紧两个构件。

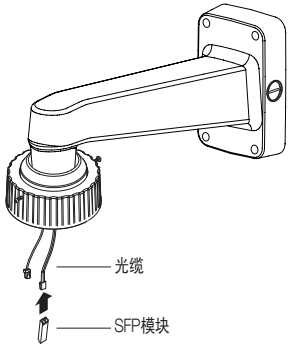


■ 如果本产品安装在通过Mount或Pole会有大量湿气流入的地方, 请使用附件中的衬套防止外部湿气进入。

- 在衬套上涂抹适量的润滑脂后, 连击电缆到衬套上的每个孔。请使用销钉来堵住未用电缆固定的孔。
- 均匀按压衬套, 如横截面图所示, 精确地拧紧到“Joint”中。

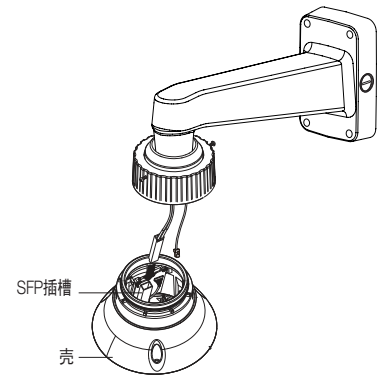


4. 将Optical Cable固定到SFP Module上。

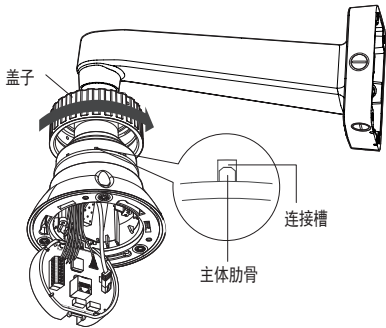


安装与连接

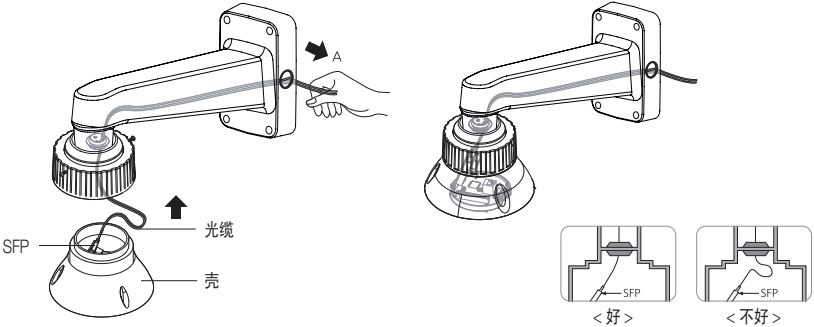
5. 将SFP模块固定到机身的SFP插槽中。



6. 通过匹配形状连接主体RIB和Joint，然后沿箭头方向转动Cap将其固定在一起。

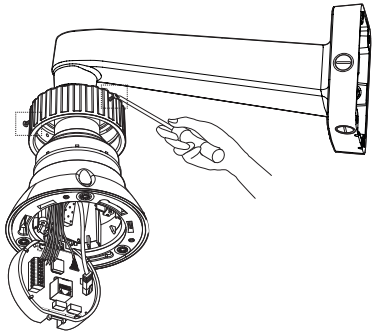


! 固定两种材料的同时，要从外部拉动光缆，使其不会在内部弯曲。



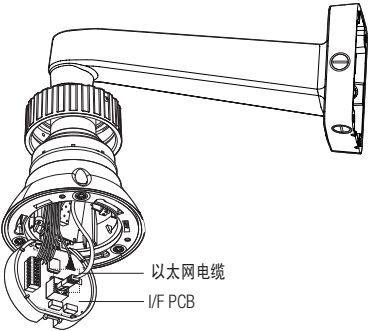
7. 为防止CAP沿相反方向松动，请转动CAP两侧的螺钉。
(只有部分螺钉在一定程度上进入内部。)

! 即使您不连接SFP模块，也要拧紧CAP以防止泄漏。
产品出货时不是拧紧的状态。

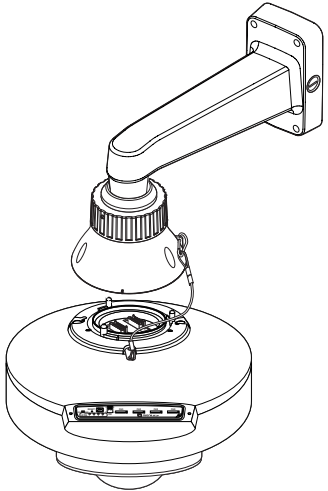


8. 请将以太网电缆连接到I/F PCB上。

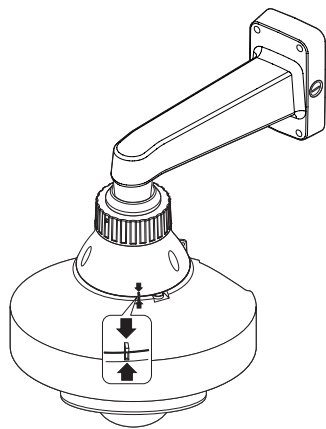
! 为了与PTZ摄像机顺利连接，请注意形状和形状。
(连接摄像机后，当I/F PCB旋转时，有可能发生电缆缠绕问题。)



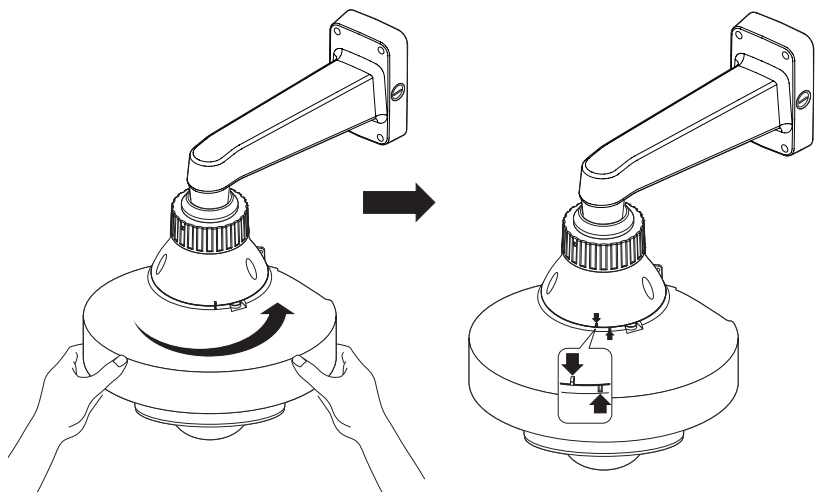
9. 将I/F PCB连接到机身后，将摄像机机身的安全电缆安装到底座上。



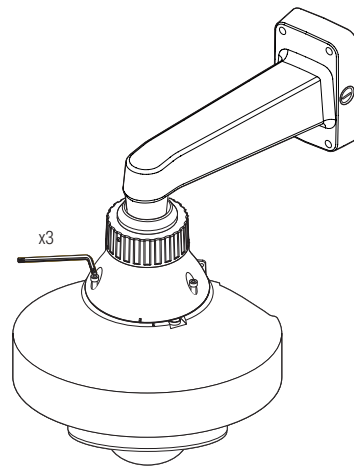
10. 匹配方向参考指示连接底座和摄像机机身。



11. 按箭头方向转动摄像机，使顶部和底部的参考指示与右图中的参考指示相同。



12. 请使用内六角扳手固定底座和摄像机。



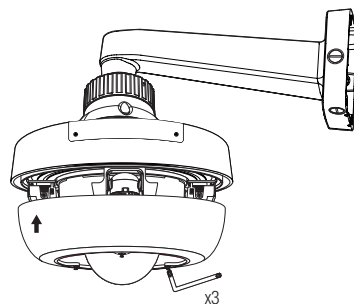
13. 调整镜头至所需方向，具体步骤请参阅“调整摄像机的监视方向”。（第 18 页）

- 如倾斜镜头，可能需要调整镜头，因为倾斜镜头可能遮挡屏幕画面。

14. 请使用五角扳手或钻头连接视窗套。



- 为防止防水功能下降，请用五角扳手或钻头拧紧紧固螺栓。
- 由于视窗套是透明的，因此没有安全电缆。请注意产品不要被摔坏。



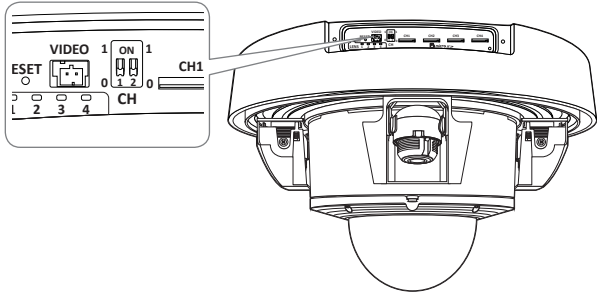
安装与连接

设置适用于安装进行监视的通道步骤

摄像机主机具备一个通道 DIP 开关, 如图所示。
使用 DIP 开关可切换摄像机通道。

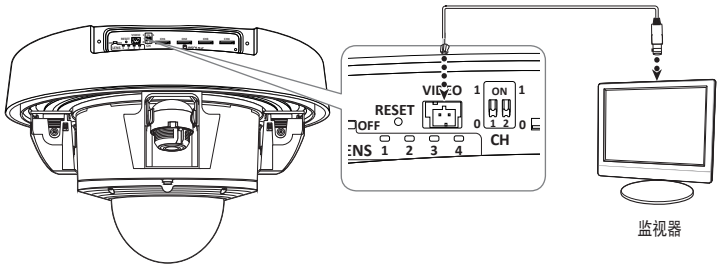
CH1	CH2	CH3	CH4
00	01	10	11

- 如 DIP 开关未处于完全打开/关闭状态, 产品可能出现故障。安装后, 检查背面的 DIP 开关。
- 如使用尖锐工具, 则存在损坏 DIP 开关的风险, 请小心。
- 如操作时用力过大, 可能损坏 DIP 开关, 请小心。



连接安装监视器

将本产品的视频输出端子连接至安装用显示器的视频输入端子。



- 接线会因监视器类型和外围设备而异; 请参阅每个设备的用户手册。
- 连接监视器与摄像机时, 请确保它们已关闭。

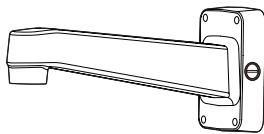
- 本产品是一款网络摄像机, 可通过网络传送视频; 视频输出端子用于在安装时设置摄像机的成像范围。
- 将该端子用于监控可能会导致视频质量降低等问题。
- 不适合使用专业 CRT 监视器或 TFT/LCD 便携式监视器进行 24 小时监视。
- 使用网络传输屏幕进行 24 小时监视和存储。
- 只能查看4CH镜头模块的视频, 而不能查看PTZ的视频。

可选的安装附件

为了方便安装,您可以购买可选的附件。

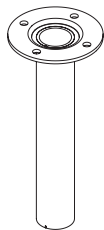
1. 如果将摄像机安装在墙壁上

- 墙上安装适配器 (SBP-390WM2)



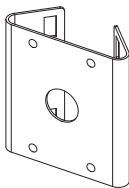
2. 如果将摄像机安装在天花板上

- 天花板安装适配器 (SBP-300CM)
安装天花板支架时, 建议将其安装的位置离侧壁至少保留30厘米的距离。



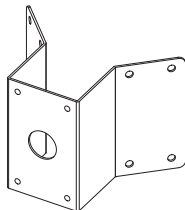
3. 如果将墙上安装适配器 (SBP-390WM2) 安装在长度至少为 80 mm 的圆柱上

- 柱式安装适配器 (SBP-300PM)



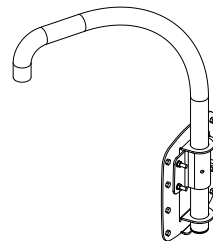
4. 如果将墙上安装适配器 (SBP-390WM2) 安装在墙角

- 角落安装适配器 (SBP-300KM)

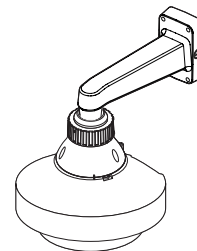


5. 如果安装在屋顶

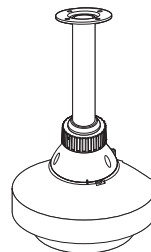
- 胸墙安装适配器 (SBP-300LM)



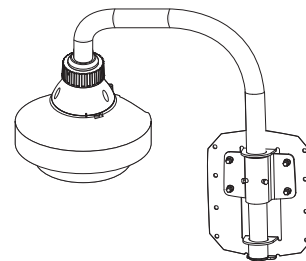
■ 安装接头



墙上安装适配器 (SBP-390WM2)



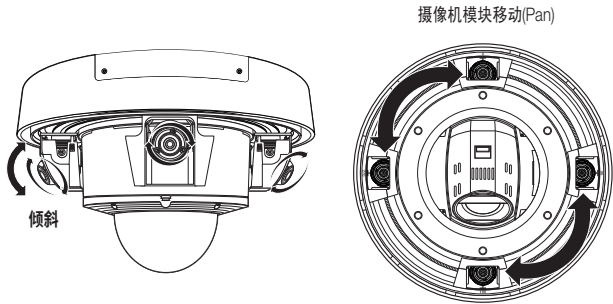
天花板安装适配器 (SBP-300CM)



胸墙安装适配器 (SBP-300LM)

安装与连接

调整摄像机的监视方向



■ 调整监视方向

仅当摄像机固定到天花板上时才能调整摄像机方向。
移动摄像机模块称为Pan，调整倾斜角度称为Tilt，随轴旋转镜头称为Rotation。

- Pan 每个模块的旋转角度为-90°至+90°。
- Rotation 旋转角度为-180°至+180°。
- Tilt 旋转角度随镜头而异。请参考下面的表格。



- 某些角度的图像会被摄像机壳遮住。
- 不要翻转Pan超过旋转角度以上。电缆损坏可能会导致产品故障。

■ 调整方法

1. 考虑监视方向安装摄像机后沿着底轨调整Pan角度。
2. 调整水平角度，使图像在旋转时不会出现颠倒现象。
3. 调整倾斜角度，使摄像机朝向要监视的方向。

■ 每个镜头模块的倾斜角度范围

镜头模块型号	SLA-2M2400P	SLA-2M2800P	SLA-2M3600P	SLA-2M6000P	SLA-2M1200P	SLA-5M3700P	SLA-5M4600P	SLA-5M7000P
一般安装	52°~56°	26°~80°	22°~84°	10°~95°	10°~97°	36°~73°	21°~85°	12°~93°
使用HallywayView	不支持	37°~70°	33°~73°	17°~88°	12°~92°	45°~62°	38°~74°	21°~85°

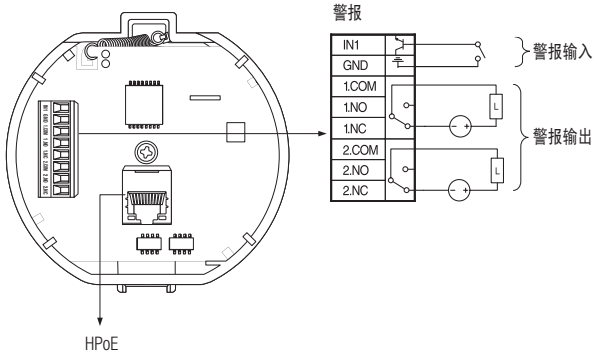


- 安装时超出允许的角度范围则，监视器的一角有可能发生部分视线遮挡。

与其他设备连接

摄像机接线接口板

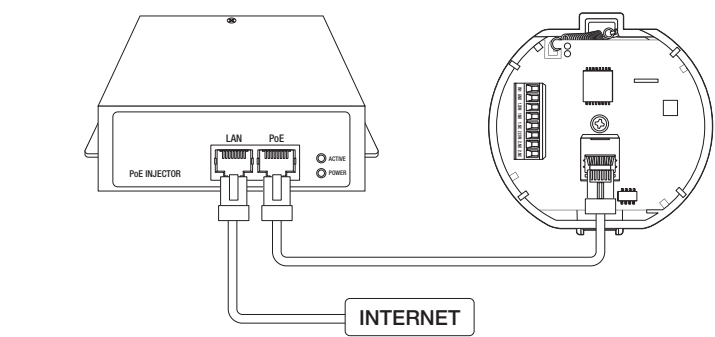
对于摄像机接线，请参阅下图。



- 当警报输出连接为Normal Open时
 - 传感器输入会在点接触方式中发生短路时动作，或在主动方式的“LOW”级别时动作。
- 警报输出终端的最大容量为30V DC/2A、125V AC/0.5A和250V AC/0.25A。
- 连接警报输入和输出电缆时，请务必分别将一根电缆连接至一个端子。
- 要连接超过摄像机容量的产品，请使用额外的继电器设备。
- GND不正确连接至NC/NO端口和COM端口时，有可能导致火灾或产品损坏。

供电和联网

将摄像机的PoE端子连接到PoE设备。



! 机械电源请使用符合规格要求的适配器。

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 ≤ 0.125 Ω/m
HPoE 支持	HPoE	

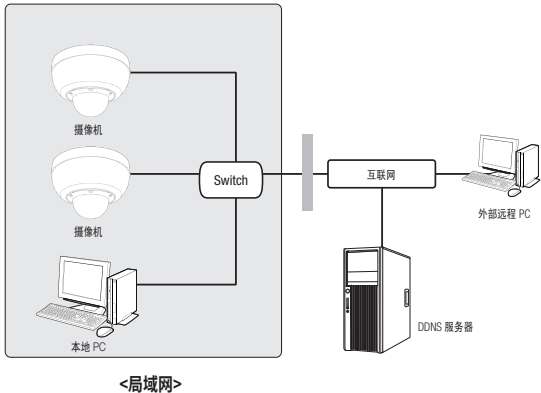
网络连接和设置

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

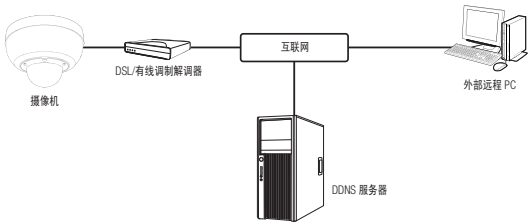
连接局域网内的本地 PC 和摄像机

- 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 21 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。

- 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。

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。

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 23 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

- 单击[应用]按钮。
- 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

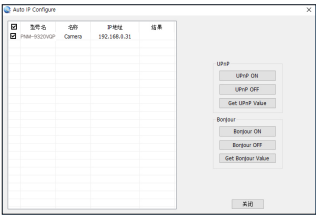
- 动态 IP 环境示例
 - 如果连接了摄像机的IP路由器由 DHCP 服务器分配了 IP 地址
 - 将摄像机直接连接到使用DHCP方式的调制解调器时
 - 在LAN环境下, 从内部DHCP服务器获取IP时

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。



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。



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。

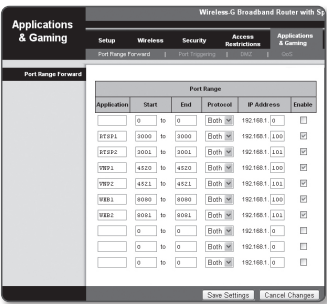


路由器端口设置

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

- 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。
- 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。
- 完成后,单击 [Save Settings]。
将保存设置。

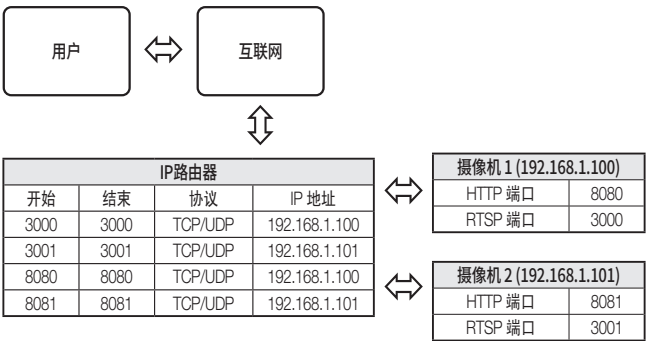


- 设置端口转发说明是CISCO IP路由器设置的示例。
- 设置可能因连接的IP路由器型号而异。
有关详细信息,请参阅适用路由器的用户手册。

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:



- 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。

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。

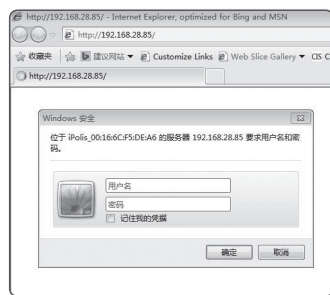
使用 URL

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。

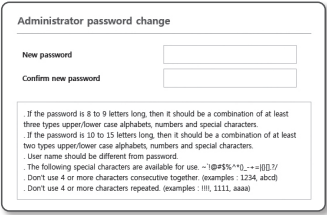
要向 <DDNS> 服务器注册您的设备, 请访问 <http://ddns.hanwha-security.com> 并先注册您的设备, 然后将 Web Viewer 的 <网络> - <DDNS> 设置为 <Wisenet DDNS>, 在<产品ID>上输入已在DDNS服务器上所注册的产品ID。

密码设置

首次访问产品时，必须先注册登录密码。
出现“密码更改”窗口时，输入新密码。



- 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。

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。 - 检查网络线缆是否正确 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。

故障	解决方法
<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> → <存储器> 菜单中,再次格式化内存卡。

OPEN SOURCE ANNOUNCEMENT

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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	
mttd-1.5.2	GPL 2.0	ftp://ftp.infradead.org/pub/mttd-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	
zerocoinf	GPL 2.0	

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inetutils	LGPL 3.0	
neon-0.29.6	LGPL 2.0	http://www.webdav.org/neon/

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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.
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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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Article 6. Distribution and Registration of the Ported Source Code

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

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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.
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 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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Julian Seward, jseward@bzip.org

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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](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).



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