SAMSUNG TECHWIN

网络摄像机

用户手册

SNP-5300/SNP-5300H



CE

SAMSUNG

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**。

❖ **默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改该密码**。
请注意，未更改密码导致的安全和其他相关问题，用户自己承担责任。

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. 请您用干布清洁本机器。
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。



概述

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。

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）。

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。

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三星内部验证后做成的。

某些部品包含的有害物质，按照现在的技术基准不能替代，三星一直在为改善此项而努力。

概述

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。
- 请勿将本设备放置在传导物体附近。
- 请勿自行维修本设备。
- 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。
- 不要让摄像机受到放射线照射。

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。

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产品特色

- **全高清视频质量**
- **多流**
  本网络摄像机可以同时使用不同的 CODEC、采用不同的分辨率和质量来显示视频。
- **基于 Web 浏览器的监视**
  使用互联网 Web 浏览器在本地网络环境中显示图像。
- **警报**
  如果发生事件，则会将与事件相关的视频传送至用户指定的 FTP/电子邮件或保存到 SD 存储卡，或者将事件信号发送至 警报输出端口。
- **防拆检测**
  在视频监视上检测拆离尝试。
- **移动探测**
  从摄像机的视频输入检测移动。
- **智能视频分析**
  分析视频以从摄像机的视频输入检测指定条件的逻辑事件。
- **面部探测**
  从摄像机的视频输入探测面部。
- **音频探测**
  检测高于用户指定的特定音量的声音。
- **自动检测断开的网络**
  检测网络断开连接，检测到便触发事件。
- **符合 ONVIF**
  本产品支持 ONVIF。
  有关详细信息，请参阅 www.onvif.org.

ONVIF
Driving network video through global standardization

推荐 PC 技术规格

- CPU：Intel Core 2 Duo 2.6GHz 或更高
- 分辨率：1280X1024 像素或更高
- RAM：2GB 或更大
- 支持的操作系统 : Windows XP / VISTA / 7, MAC OS X 10.7
- 支持的浏览器 : Microsoft Internet Explorer (版本 10 ~ 7)
  Mozilla Firefox (版本 19 ~ 9) ※ 仅限 Windows
  Google Chrome (版本 25 ~ 15) ※ 仅限 Windows
  Apple Safari (版本 6.0.2 (仅限 Mac OS X 10.8、10.7)、5.1.7) ※ 仅限 Mac OS X
  - 既不支持测试版，也不支持开发者版，仅支持在公司官方网站发布的正式版本。
  - 若需要使用IPv6功能，建议使用 Windows 7操作系统。
  - 对于 Mac OS X，只支持 Safari 浏览器。

概述

- 显存：256MB 或更大

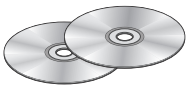
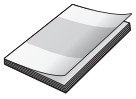
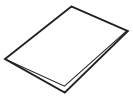
  - 如果显卡的驱动程序未正确安装或不是最新版本，则视频可能无法正确播放。
  - 对于至少涉及 2 个监视器的多监视系统，播放性能可能会下降，具体视系统而定。
  - 建议您在多浏览器环境中使用 Intel Core 2 Duo 2.93GHz 或更高档的处理器。

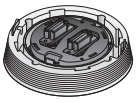
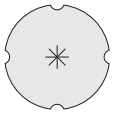
推荐 SD/SDHC 存储卡 技术规格

- 4GB ~ 32GB
- 对您的摄像头，我们建议您使用以下厂商制造的存储卡：
  SD/SDHC 存储卡：Sandisk, Transcend
- 建议您使用至少为类别 6 速度的存储卡。

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。

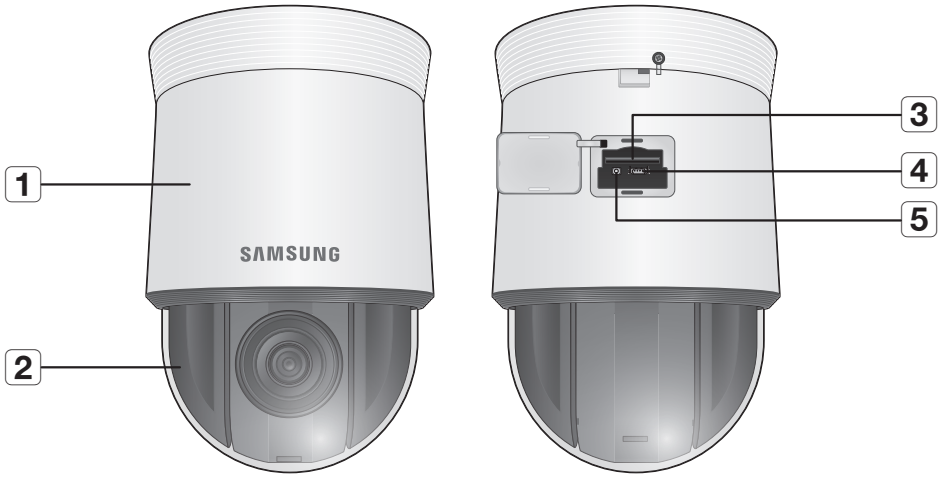
外观	项目名称	数量	说明	型号名称
	摄像机	1		SNP-5300 或者 SNP-5300H
	说明手册, Installer 软件 CD, CMS 软件 DVD	2		
	用户手册	1		
	保修卡（可选）	1		

外观	项目名称	数量	说明	型号名称
	安装基座	1	用于安装室内或者天花板支架上	SNP-5300
	自攻螺钉	4	用于安装在天花板上	
	安装模板	1	产品安装指南	
	绝缘片	1	将摄像机安装在高湿度场所时使用	
	六角螺钉	3	用于将安装基座安装在摄像机上	SNP-5300H
	L 型扳手	1	用于在将安装基座连接至摄像机之后固定基座。	
	安装基座	1	用于安装在室外支架上	

概述

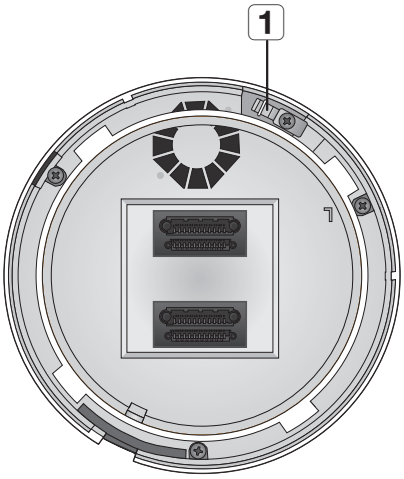
简图 (SNP-5300)

外观

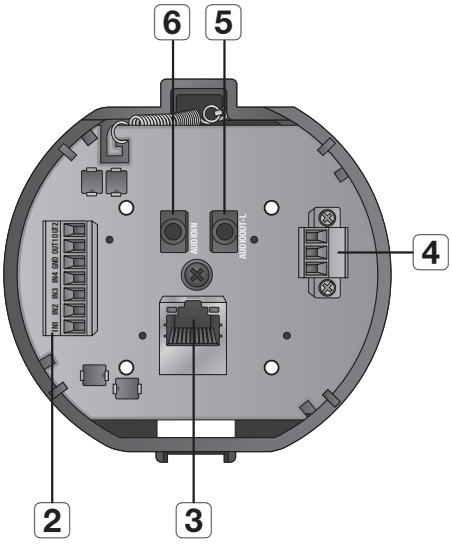


项目	说明
1 主设备	保护内置 PTZ 机械，避免阳光直射。
2 圆顶盖	用于保护镜头和设备的圆顶盖。
3 SD 内存卡槽	用于 SD 内存卡的卡槽。
4 维修端口(A/S 端口)	此项仅用于维修，并非供用户使用。
5 重置按钮	按住此按钮约 5 秒钟会将所有摄像机设置重置为出厂默认值。

安装基座的底部视图



安装基座的内视图

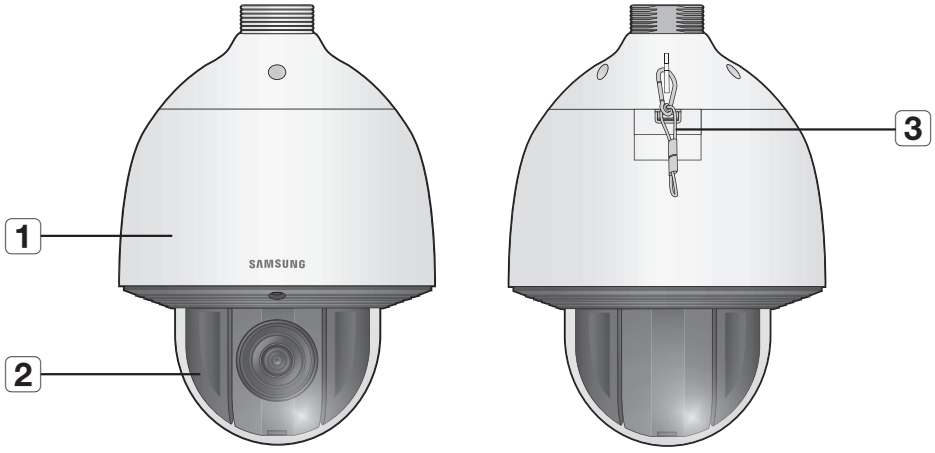


项目	说明
1 安全电缆连接环	安装到环时，连接电缆以防止产品跌落。
2 警报 I/O 端口	用于连接警报 I/O 线。
3 网络连接	用于连接 PoE+ 或 LAN 电缆。
4 电源端口	用于连接电源。
5 音频输出端口	用于连接音频输出线。
6 音频输入端口	用于连接音频输入线。

概述

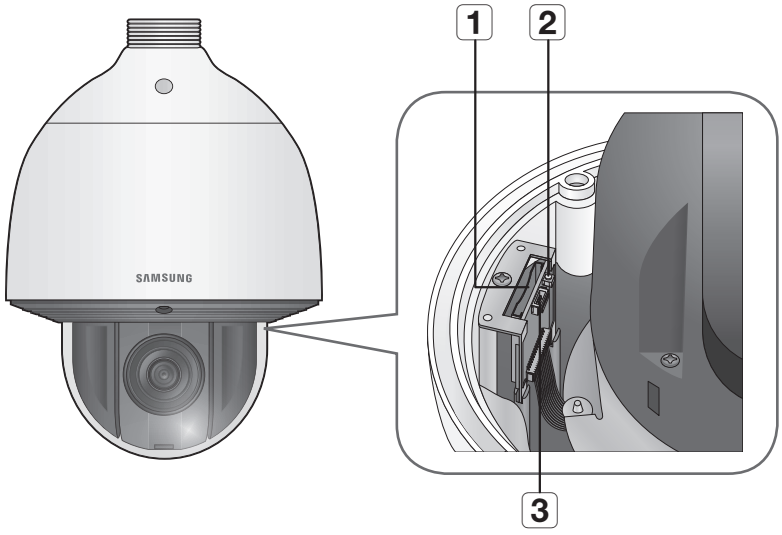
简图 (SNP-5300H)

外观



项目	说明
1 主设备	保护内置 PTZ 机械，避免阳光直射、飘雨或外部碰撞。
2 圆顶盖	用于保护镜头和设备的圆顶盖。
3 安全电缆	此电缆可防止产品在安装过程中跌落。

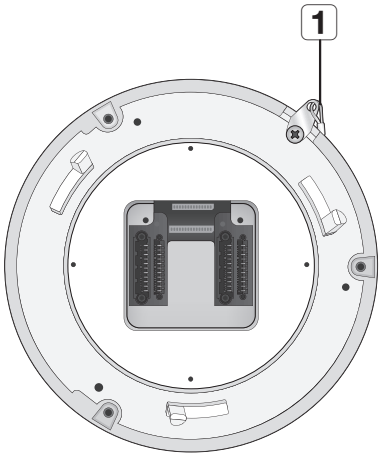
内部



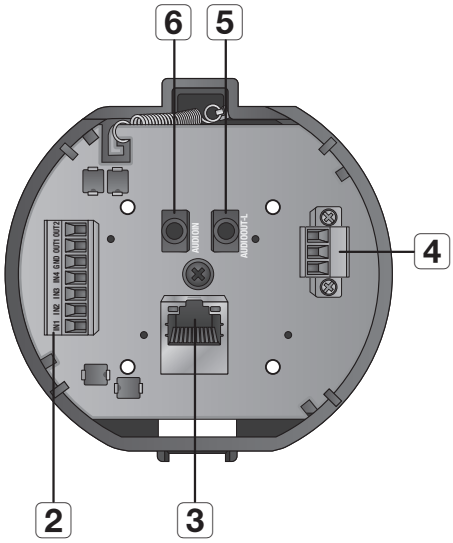
项目	说明
1 SD 内存卡槽	用于 SD 内存卡的卡槽。
2 重置按钮	按住此按钮约 5 秒钟会将所有摄像机设置重置为出厂默认值。
3 维修端口(A/S 端口)	此项仅用于维修，并非供用户使用。

概述

安装基座的底部视图



安装基座的内视图

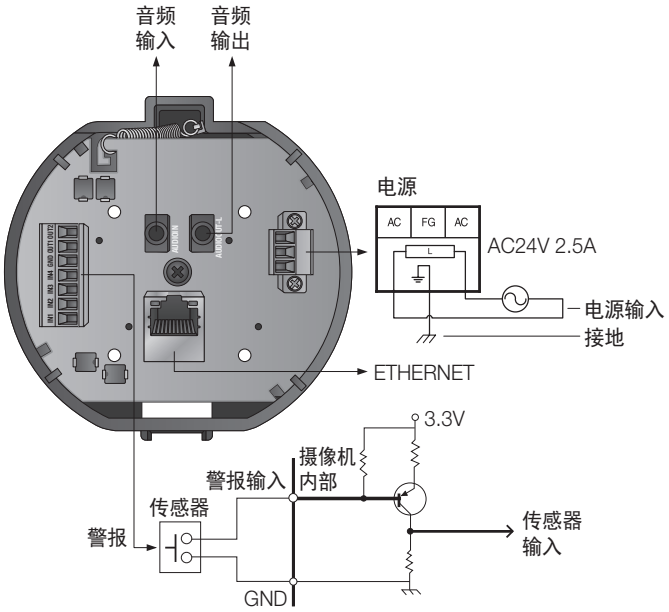


项目	说明
1 **安全电缆连接环**	安装到环时，连接电缆以防止产品跌落。
2 **警报 I/O 端口**	用于连接警报 I/O 线。
3 **网络连接**	用于连接 PoE+ 或 LAN 电缆。
4 **电源端口**	用于连接电源。
5 **音频输出端口**	用于连接音频输出线。
6 **音频输入端口**	用于连接音频输入线。

安装与连接

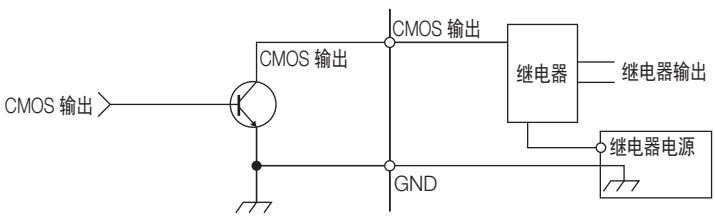
▪ 摄像机接线接口板

对于摄像机接线，请参阅下图。



- 从设置菜单中选择常开。
  - 短路接触类型过程中或活动类型中处于“低”级别时，激活传感器输入。
- 从设置菜单中选择常闭。
  - 接触类型中打开或活动类型中处于高阻抗状态（打开收集器）时，激活传感器输入。
- 警报输出的最大电容为直流 +40伏和 80 毫安。
- 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。
- 电源接头和 GND 错误连接到警报输出端口可能导致火灾和摄像机受损。

▪ 连接警报输出



由于它是开放性收集器警报输出，因此可以对警报输出应用外部继电器。最大额定值为 40 伏直流电，80 毫安。

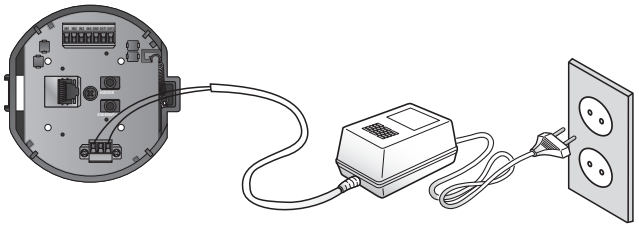
- 如果被高估的设备没有与任何外部继电器直接连接，那么该操作可能会妨碍系统运行或者导致系统出现故障。

安装与连接

与其他设备连接

准备适配器和电线

- 将摄像机连接至电源适配器。然后，将适配器电源线插入到墙壁电源插座。



在连接之前，检查额定电压和电流。

额定功率	允许的输入电压	电流消耗
AC 24V	AC 22V~26V	2.5 A

- 如果同时供应 PoE+ 和 AC 24V 电源，设备会采用先接通的电源。
  - 首选使用单个电源，即 PoE+ 和 AC 24V 之一。
- 如果连接至提供 PoE+ 电源的交换机设备，则您不需要供应 AC 24V 电源。
- 请确保 PoE 设备符合 PoE+ (IEEE 802.3at) 规格。
  - 如果连接至符合 IEEE 802.3af 标准的 PoE 设备，请针对交换机设备设置“不使用 PoE”。有关交换机设备的更多信息，请参阅制造商的手册。
- PoE 交换机型号（用于各个通道）和 PoE 连接时间可能因制造商不同而异。

[20°C (68°F)] 时铜线的电阻

铜线电量表 (AWG)	#24(0.22mm²)	#22(0.33mm²)	#20(0.52mm²)	#18(0.83mm²)
电阻 (Ω/m)	0.078	0.050	0.030	0.018
电压降 (V/m)	0.028	0.018	0.011	0.006
建议距离 (m)	少于 20	少于 30	少于 30	少于 30

- 如上表中所示，您可能会遇到电压下降，具体视电线长度而定。 如果您使用极长的线来连接摄像机，则摄像机可能无法正常工作。
  - 摄像机工作电压：AC 24V±10%
  - 上图中的电压降测量值可能会因铜线的类型和制造商而异。

以太网连接

将以太网电缆连接到本地网络或互联网。

安装

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	SNP-5300	SNP-5300H
SHP-3701H	室外机盒	是	-
SHP-3701F	天花板安装机盒		
SBP-300HM3	悬挂式安装适配器		
SBP-300WM1	墙上安装适配器		是
SBP-300WM			
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 26 页）

安装与连接

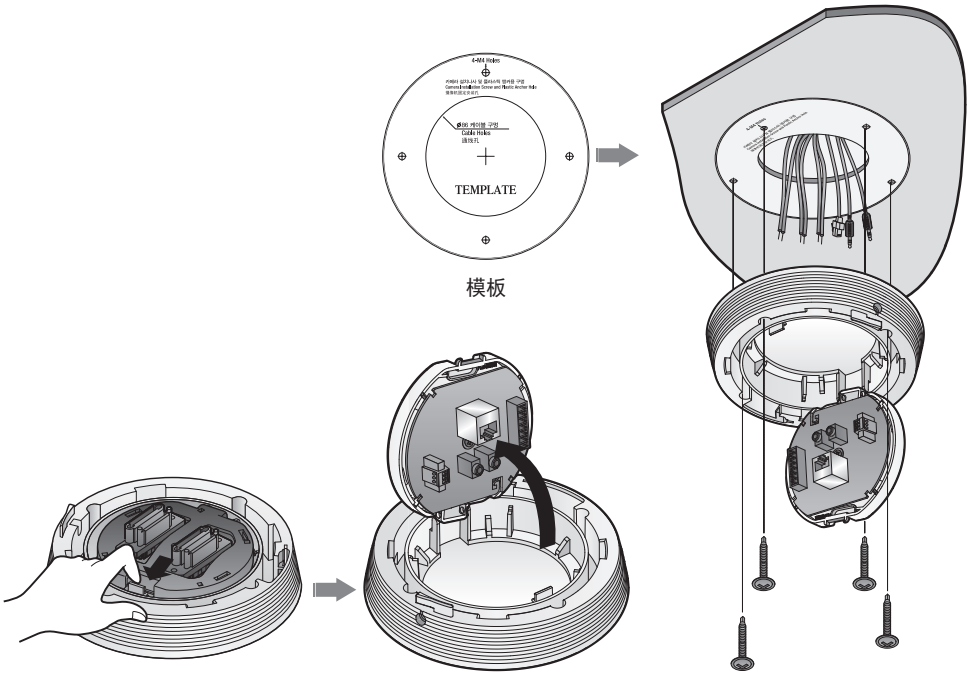
通过水平面附著安装

▪ 不能将 SNP-5300H 安装在墙壁或天花板的水平面上。

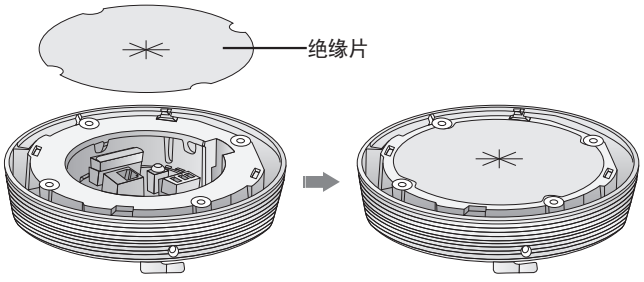
▪ 粘贴模板和安装安装基座

1. 将提供的模板帖在天花板上。 根据模板，在天花板中钻 86mm 的孔并将电线穿过该孔。
2. 如图中所示安装安装基座。
3. 在安装露出的支架时，请打开支架底部的铰链门，如图中所示。 按住铰链门上的旋钮可以将门打开。

▪ 将摄像机安装在高湿度场所时，在安装基座背面贴上随附的绝缘片，然后将摄像机安装在天花板上。



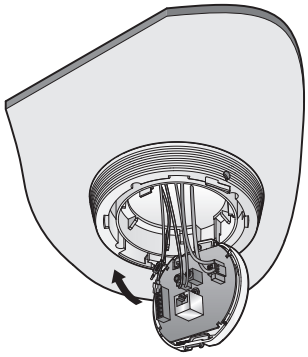
模板



<贴上绝缘片>

▪ 连接端子线

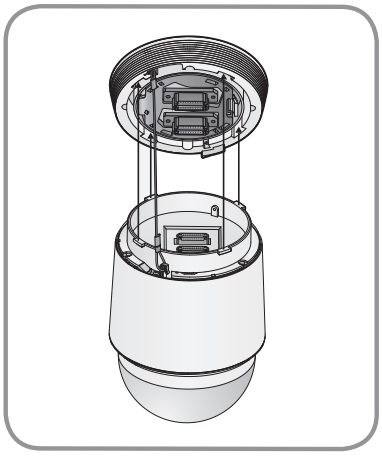
1. 将电线连接至铰链门上的接线端。
   请参阅 “**摄像机接线接口板**”。(第 17 页)
2. 接线完成后，关闭铰链门。

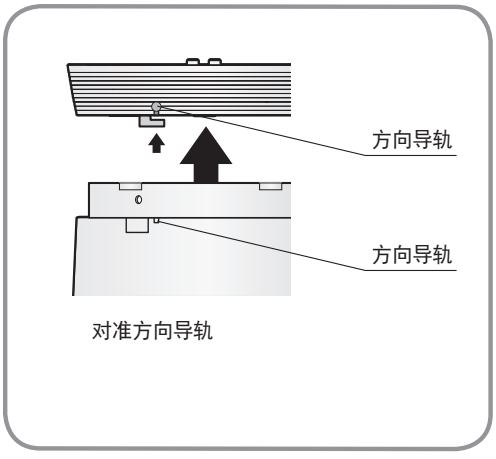


▪ 在安装完成之前，不要将摄像机连接到电源插座。
在安装过程中供电可能会导致火灾或损坏产品。

▪ 连接摄像机安全索和安装摄像机

1. 首先，如左图所示，从基座中拉出安全电缆，然后将它钩在底座上。安全电缆收在基座内。
   ▪ 要将摄像机安装到安装适配器上，请参阅图中所示的对准导轨标记。
2. 按照图片中所示的对准导轨标记，谨慎地将摄像机安装至安装适配器。

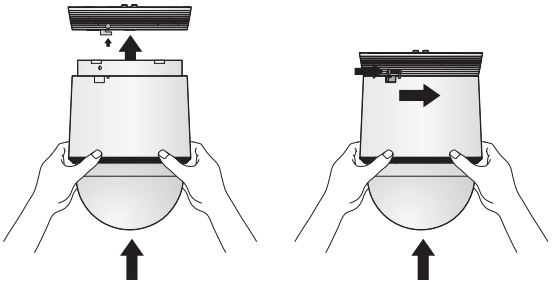




▪ 确保将摄像机的安全索钩住安装适配器，然后开始工作。否则，摄像机跌落可能让您受到严重伤害。

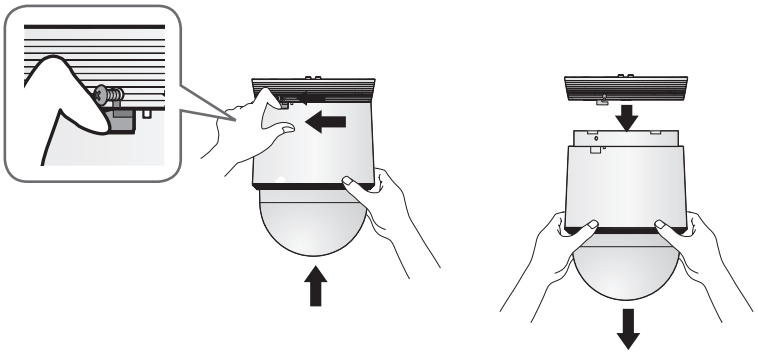
安装与连接

- 要安装或拆下摄像机，请参阅图片。
  - 安装摄像机：如图所示，向上推动摄像机装置并按顺时针方向转动它，直至无法继续转动。
    完成转动操作后，拧紧装到安装基座上的螺丝。



< 安装摄像机 >

  - 拆下摄像机：如图所示，拧松螺丝，推入钩子，并按逆时针方向转动它。
    （螺丝未完全卸下）
    当无法继续转动钩子时，向下拉摄像机装置并将它拆下。

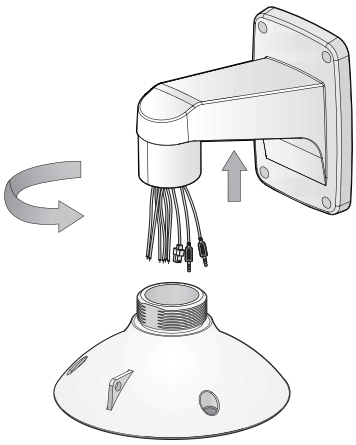


< 拆下摄像机 >

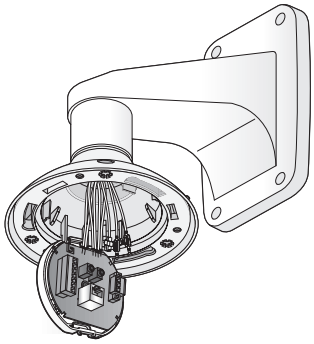
通过墙上安装适配器安装

▪ 固定安装基座和支架

1. 顺时针旋转支架以固定基座。

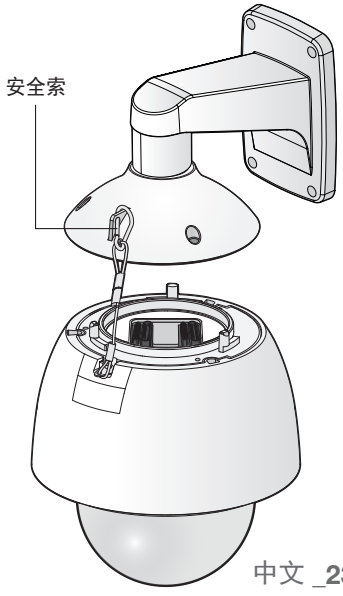


2. 如下图所示，轻按然后提起安装基座底部铰接的门的手柄。请参阅第 17 页上的“**摄像机接线接口板**”，连接电线。



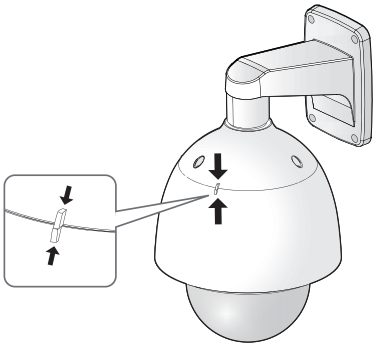
▪ 在安装完成之前，不要将摄像机连接到电源插座。在安装过程中供电可能会导致火灾或损坏产品。

3. 将摄像机安全索连接至安装基座。

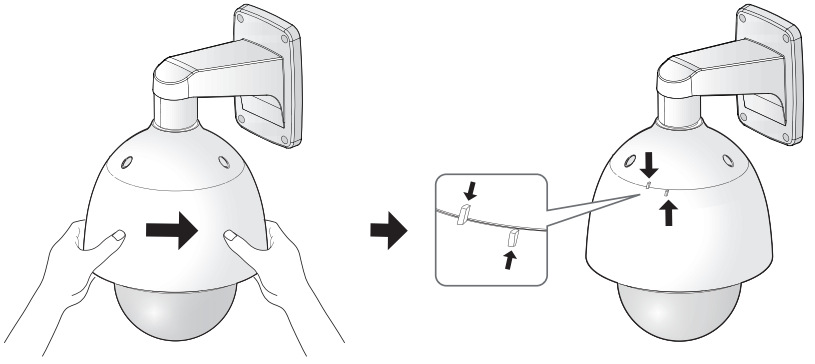


安装与连接

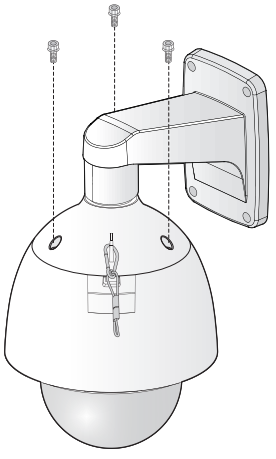
4. 装配摄像机和安装基座
   通过对准安装方向导轨装配安装基座和摄像机。



5. 固定摄像机
   顺时针方向转动摄像机装置，使顶部和底部的参考指示器如右图所示。



6. 固定摄像机和安装基座
   如下图所示，使用 3 颗六角螺钉固定安装基座和摄像机。



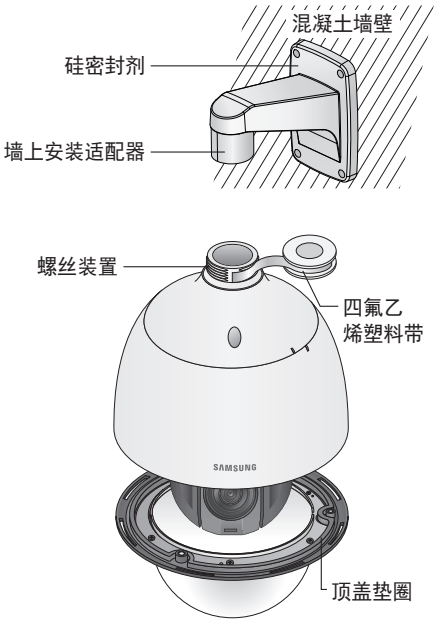
防水注意事项

本产品为室内装置。如安装在室外，请使用室外保护罩防水。

▪ 通过合并室外保护罩和墙上安装适配器，将装置安装在墙壁上

1. 将墙上安装适配器安装在垂直墙壁上。如底座安装在倾斜墙壁上，湿气可能通过外部电缆渗入室外保护罩中。
2. 用足够的四氟乙烯塑料带进行装配，包裹住保护罩的螺丝部分。
3. 取下顶盖并将它固定到保护罩边框时，确保垫圈未从顶盖上松脱。
4. 安装墙上安装适配器进行防水，并在墙壁与墙上安装适配器之间及其周围区域涂上硅密封剂进行密封。

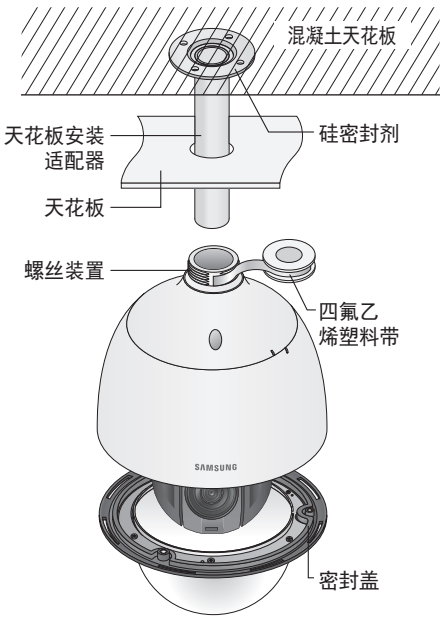
▪ 安装面不平时请特别注意，确保采取正确的密封措施。



▪ 通过合并室外保护罩和天花板安装适配器，安装在墙壁上

1. 用足够的四氟乙烯塑料带进行装配，包裹住保护罩的螺丝部分。
2. 取下顶盖并将它固定到保护罩边框时，确保垫圈不会从顶盖上松脱。
3. 安装天花板安装适配器进行防水，并在墙壁与天花板安装之间及其周围区域涂上硅密封剂进行密封。

▪ 安装面不平时请特别注意，确保采取正确的密封措施。

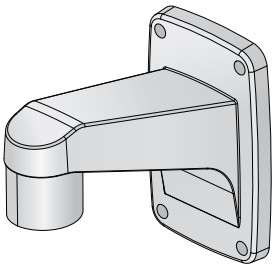


安装与连接

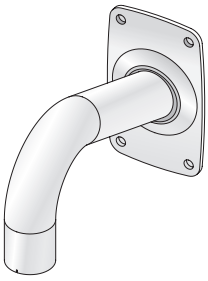
可选的安装附件

为了更方便安装，您可以购买可选的附件。

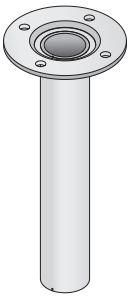
1. 如果将摄像机安装在墙壁上
   - 墙上安装适配器 (SBP-300WM1)



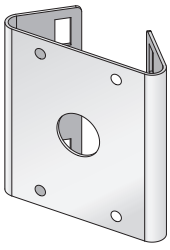
   - 墙上安装适配器 (SBP-300WM)



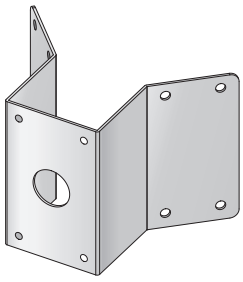
2. 如果将摄像机安装在天花板上
   - 天花板安装适配器 (SBP-300CM)



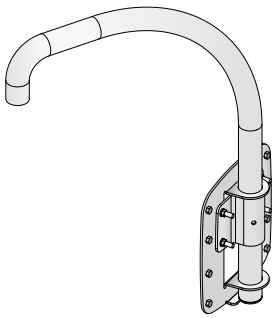
3. 如果将墙上安装适配器 (SBP-300WM/SBP-300WM1) 安装在长度至少为 80 mm 的圆柱上
   - 柱式安装适配器 (SBP-300PM)



4. 如果将墙上安装适配器 (SBP-300WM /SBP-300WM1) 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)

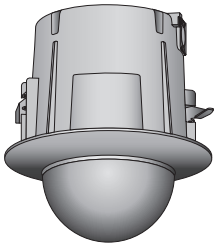


安装与连接

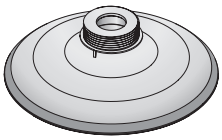
6. 如果将 SNP-5300 安装在室外
   - 室外机盒 (SHP-3701H)



7. 如果将 SNP-5300 作为内嵌组件安装在天花板上
   - 圆顶摄像机的平齐安装室内机盒 (SHP-3701F)



8. 如果将 SNP-5300 安装在墙上安装适配器或天花板安装适配器中
   - 悬挂式安装适配器 (SBP-300HM3)

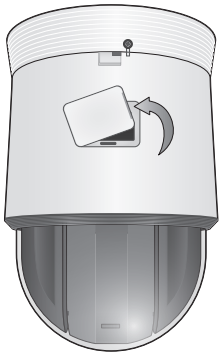


插入/拔出 SD 存储卡

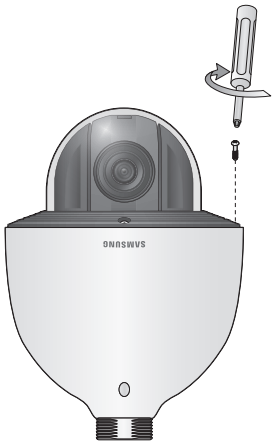
▪ 先从摄像机拔下电源线，然后再插入 SD 存储卡。

插入 SD 存储卡

1. 打开摄像机背面的盖子。(SNP-5300)

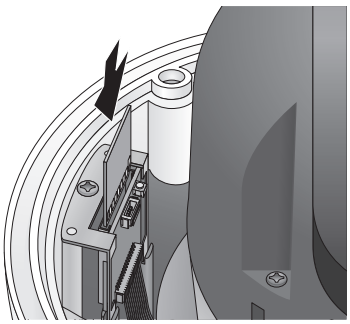


通过使用螺丝起子逆时针旋转 3 颗螺钉将其松开，然后揭开圆顶盖。(SNP-5300H)



2. 请按图中所示箭头方向推 SD 存储卡。

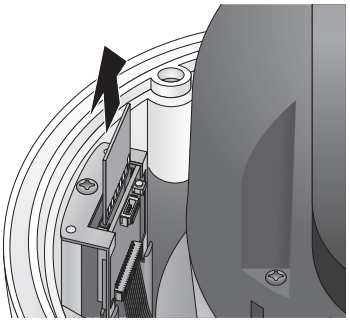
▪ 请勿在 SD 内存卡翻转时用力插入。否则，可能会损坏 SD 内存卡。



安装与连接

拔出 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。



- 过度用力按压 SD 存储卡可能会导致卡不可控制地从插槽中弹出。
- 要关闭摄像机或取出 SD 内存卡，将<**录制**>从<**SD 录制**>设置为<**关**>，并按[**应用 (** ✓ **)**]。(第 76 页)
- 如果关闭摄像机或取出 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。

存储卡信息(不含)

什么是存储卡?

存储卡是一种外部数据储存设备，它的开发为使用数字设备进行录制和共享音频、视频和文本数据提供了崭新的方式。

选择一款适合您的存储卡

您的摄像头支持 SD/SDHC 存储卡。
根据存储卡的型号和制作材料不同，您可能会遇到兼容性的问题。

对您的摄像头，我们建议您使用以下厂商制造的存储卡：
SD/SDHC 存储卡：Sandisk, Transcend

建立将 4GB ~ 32GB 的存储卡与本摄像机配合使用。

回放性能可能受存储卡速度的影响，因此，请使用高速存储卡。

建议您使用至少为类别 6 速度的存储卡。

存储卡的使用

SD 和 SDHC 存储卡有一个能够禁止写入的开关。
将开关拨到锁定位置能够保证存储卡中的数据不会因意外删除，但同时，您也无法向其中写入数据。

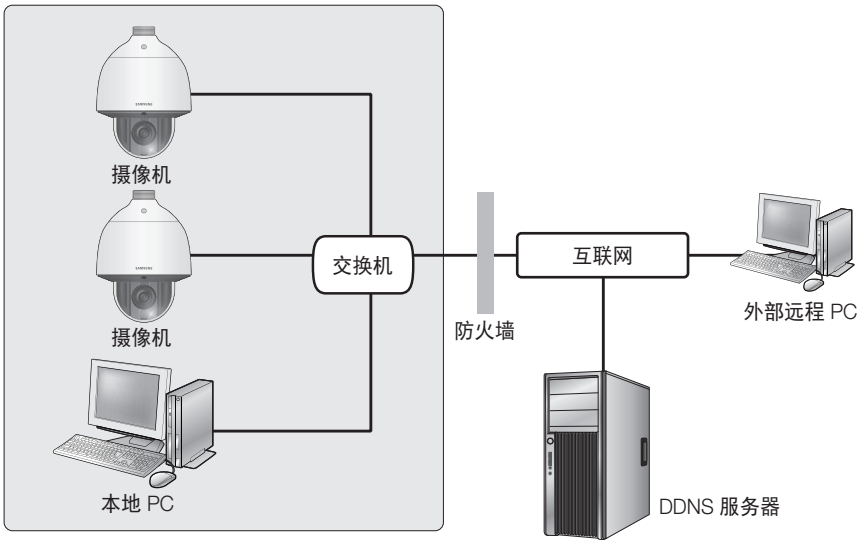
网络连接和设置

可根据您的网络配置来设置网络的设定。

将摄像头与局域网直接连接

连接局域网内的本地 PC 和摄像头

1. 启动本地 PC 上的网络浏览器。
2. 在浏览器的地址栏中输入 IP 地址。

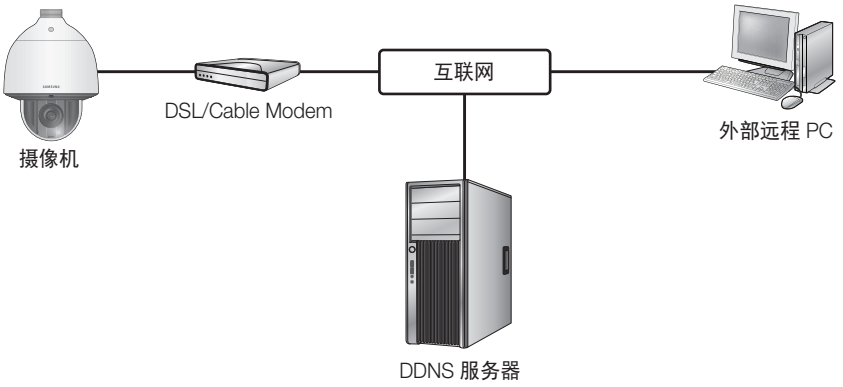


<局域网>

- 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头。在此情况下，联系网络管理员解决问题。
- 根据出厂默认值，会自动从 DHCP 服务器分配 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 IP Installer。
  有关 IP Installer 使用的详细信息，请参阅 **“静态 IP 设置”**。（第 36 页）

网络连接和设置

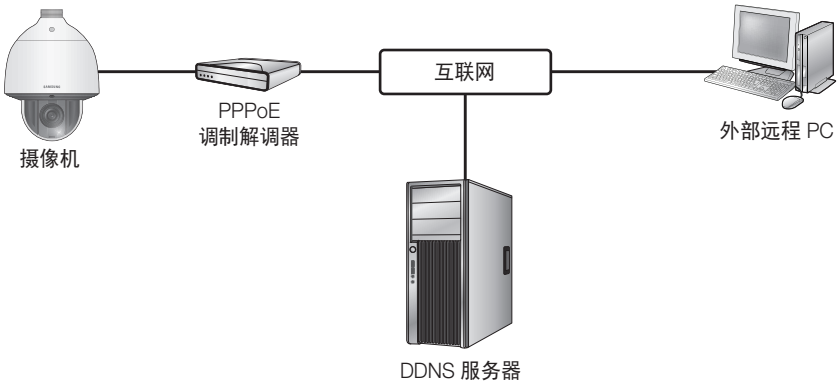
将摄像机直接连接至基于 DHCP 的 XDSL/有线电视网调制解调器



1. 使用交叉 LAN 电缆将网络电缆直接连接至您的 PC。
2. 运行 IP Installer 并更改摄像机的 IP 地址，以便可以使用桌面上的 Web 浏览器连接至互联网。
3. 使用互联网浏览器连接至 Web Viewer。
4. 移至 [**设置**] 页面。
5. 移至 [**网络**] – [**DDNS**] 并配置 DDNS 设置。
6. 移至 [**网络**] – [**接口**]，并将网络类型设置为 [**DHCP**]。
7. 将摄像机（已从您的 PC 上拔下）直接连接至调制解调器。
8. 重新启动摄像机。

- 有关注册 DDNS 设置，请参阅 “**注册 DDNS**”。(第 70 页)
- 有关配置 DDNS 设置，请参阅 “**DDNS**”。(第 69页)
- 有关设置网络类型，请参阅 “**接口**”。(第 68 页)

直接将摄像机连接到 PPPoE 调制解调器



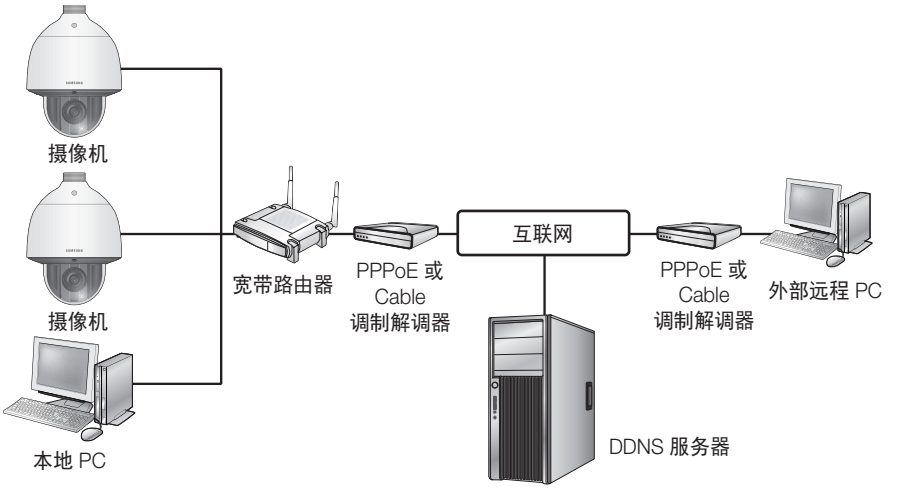
1. 使用交叉 LAN 电缆将网络电缆直接连接至您的 PC。
2. 运行 IP Installer 并更改摄像机的 IP 地址，以便可以使用桌面上的 Web 浏览器连接至互联网。
3. 使用互联网浏览器连接至 Web Viewer。
4. 移至 [**设置**] 页面。
5. 移至 [**网络**] – [**DDNS**] 并配置 DDNS 设置。
6. 移至 [**网络**] – [**接口**]，并将网络类型设置为 [**PPPoE**]。
7. 将摄像机（已从您的 PC 上拔下）直接连接至调制解调器。
8. 重新启动摄像机。

- 有关注册 DDNS 设置，请参阅 “**注册 DDNS**”。（第 70 页）
- 有关配置 DDNS 设置，请参阅 “**DDNS**”。（第 69 页）
- 有关设置网络类型，请参阅 “**接口**”。（第 68 页）

网络连接和设置

将摄像头与使用 PPPoE/CABLE 调制解调器的宽带路由器连接

适用于小型网络环境，如家庭、SOHO 以及普通的商店。



配置连接到宽带路由器

在配置连接到宽带路由器的本地 PC 的网络设置时，遵循以下说明。

- 选择：<**网上邻居**> → <**属性**> → <**本地连接**> → <**属性**> → <**常规**> → <**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：

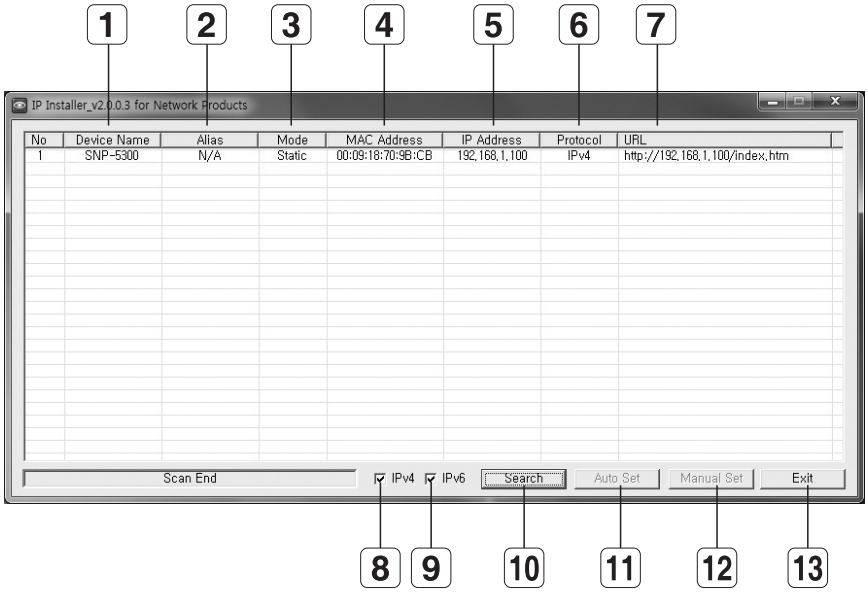
例1) 若宽带路由器的地址 (LAN IP) 为 192.168.1.1
IP 地址：192.168.1.100
子网掩码：255.255.255.0
默认网关：192.168.1.1

例2) 若宽带路由器的地址 (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) 若宽带路由器的地址 (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

- 关于宽带路由器的地址，请参见产品文档。
- 如需宽带路由器的正向端口的更多信息，请参阅 “**路由器端口设置**”。(第 39 页)

在 IP INSTALLER 中使用的按钮



项目	说明
1 Device Name	已连接摄像机的型号名称。 单击此列可以按型号名称对列表进行排序。 但是，如果在搜索时单击将会停止搜索。
2 Alias	此功能当前不可用。
3 Mode	对当前网络连接状态显示 <Static>，<Dynamic> 和 <PPPoE>。
4 MAC(Ethernet) Address	已连接摄像机的以太网地址。 单击此列可以按以太网对列表进行排序。 但是，如果在搜索时单击将会停止搜索。
5 IP Address	IP 地址。 单击此列可以按 IP 地址对列表进行排序。 但是，如果在搜索时单击将会停止搜索。
6 Protocol	摄像机的网络设置。 出厂默认设置为 “IPv4”。 使用 IPv6 设置的摄像机将显示 “IPv6”。

网络连接和设置

项目	说明
7 URL	DDNS URL 地址可以从外部互联网访问。 但是，如果 DDNS 注册失败，此按钮将被摄像机的 <**IP Address**> 代替。
8 IPv4	扫描使用 IPv4 设置的摄像机。
9 IPv6	扫描使用 IPv6 设置的摄像机。 只能在符合 IPv6 的环境中激活。
10 Search	扫描当前连接到网络的摄像机。 但是，如果没有选取 IPv4 也没有选取 IPv6，该按钮将呈灰色。
11 Auto Set	IP Installer 自动配置网络设置。
12 Manual Set	手动配置网络设置。
13 Exit	退出 IP Installer 程序。

▪ 对于 IP Installer，请仅使用在安装 CD 中提供的版本，或者最新版本（如果可以获得）。
可以从 Samsung 网站 (www.samsungcctv.com) 下载最新版本。

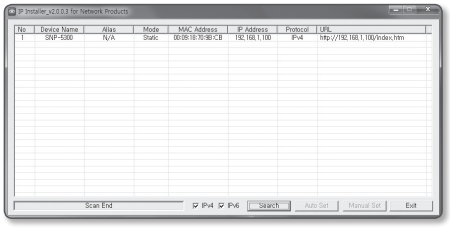
静态 IP 设置

手动网络设置

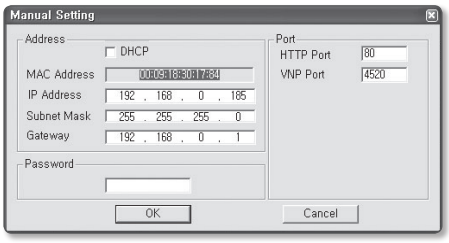
运行 <**IP Installer_v2.XX.exe**> 以显示摄像机搜索列表。
在初始启动时，[**Auto Set**] 和 [**Manual Set**] 将呈灰色

▪ 对于以 IPv6 设置为基础的摄像机，这些按钮将呈灰色，因为摄像机不支持此功能。

1. 从搜索列表中选择一个摄像机。
   在摄像机的标签上检查摄像机的 MAC 地址。
   将激活 [**Auto Set**] 和 [**Manual Set**] 按钮。
2. 单击 [**Manual Set**]。
   Manual Setting 对话框将会出现。
   将显示摄像机的 <**IP Address**>、<**Subnet Mask**>、<**Gateway**>、<**HTTP Port**> 和 <**VNP Port**> 默认值。



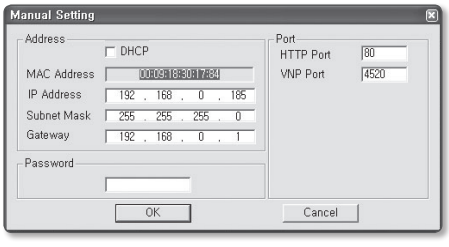
3. 在 <**Address**> 窗格中，提供必需的信息。
   - MAC (Ethernet) Address：印在摄像机标签上的 MAC 地址会自动显示，不需要用户设置。



▪ 只有在未选中 DHCP 复选框的情况下，才能配置静态 IP 设置。

如果不使用宽带路由器

4. 在 <**Port**> 窗格中，提供必需的信息。
   - HTTP Port：用于使用互联网浏览器访问摄像机，默认值为 80。
   - VNP Port：用于控制视频信号传输，默认值为 4520。



5. 输入密码。
   输入用来访问摄像机的“**admin**”帐户的密码。
   默认密码为“**4321**”。

▪ 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改密码。请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。

▪ 如果您要更改密码，请参考用户设置的“**管理员密码更改**”。（第 87 页）

6. 单击 [**OK**]。
   将完成手动网络设置。

如果使用宽带路由器

- IP Address：输入宽带路由器提供的 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：宽带路由器的 <**子网掩码**> 将是摄像机的 <**子网掩码**>。
- Gateway：宽带路由器的 <**本地 IP 地址**> 将是摄像机的 <**Gateway**>。



▪ 设置可能因连接的宽带路由器型号而异。
有关详细信息，请参阅适用路由器的用户手册。

▪ 如需宽带路由器的正向端口的更多信息，请参阅“**路由器端口设置**”。（第 39 页）

网络连接和设置

如果宽带路由器连接了多个摄像机

彼此清楚地配置 IP 相关设置和端口相关设置。

例)

类别		摄像机 1	摄像机 2
IP 相关设置	IP Address Subnet Mask Gateway	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 Port VNP Port	8080 4520	8081 4521

- 如果 <**HTTP Port**> 设置为除 80 以外的值，您必须在互联网浏览器的地址栏中提供 <**Port**> 号，才能访问摄像机。

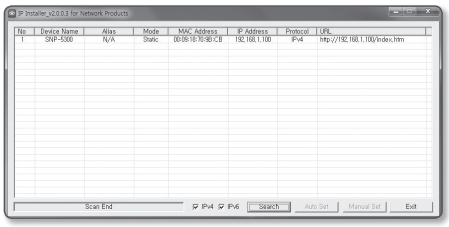
  例) http://IP address: HTTP Port
  http://192.168.1.100:8080

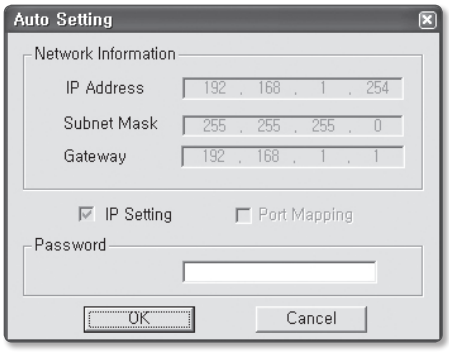
自动网络设置

运行 <**IP Installer_v2.XX.exe**> 以显示摄像机搜索列表。
在初始启动时，[**Auto Set**] 和 [**Manual Set**] 将呈灰色。

- 对于以 IPv6 设置为基础的摄像机，这些按钮将呈灰色，因为摄像机不支持此功能。

1. 从搜索列表中选择一个摄像机。
   在摄像机的标签上检查摄像机的 MAC 地址。
   将激活 [**Auto Set**] 和 [**Manual Set**] 按钮。
2. 单击 [**Auto Set**]。
   Auto Setting 对话框将会出现。
   将自动设置 <**IP Address**>、<**Subnet Mask**> 和 <**Gateway**>。
3. 输入密码。
   输入用来访问摄像机的“**admin**”帐户的密码。
   默认密码为“**4321**”。





- 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改密码。
  请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。
- 如果您要更改密码，请参考用户设置的“**管理员密码更改**”。(第 87 页)

4. 单击 [**OK**]。
   将完成自动网络设置。

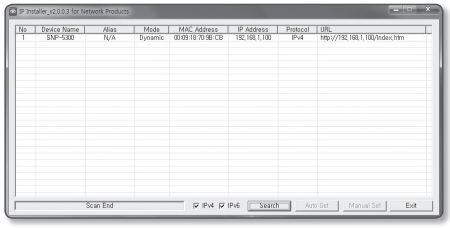
动态 IP 设置

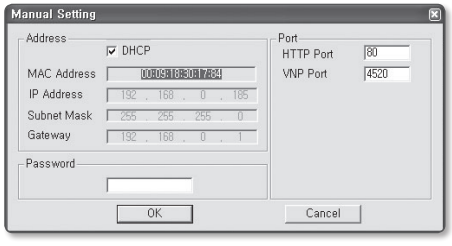
动态 IP 环境设置

- 动态 IP 环境示例
  - 如果连接了摄像机的宽带路由器由 DHCP 服务器分配了 IP 地址
  - 如果使用 DHCP 协议将摄像机直接连接至调制解调器
  - 如果 IP 由内部 DHCP 服务器通过 LAN 分配

检查动态 IP

1. 在用户的本地计算机上运行 IP Installer。
   分配了 <**Dynamic IP**> 地址的摄像机将会显示在列表中。
2. 从搜索结果中选择摄像机。
3. 单击 [Manual Set] 按钮，然后检查摄像机的 <**Dynamic IP**> 地址。
   如果取消选择 <**DHCP**>，您即可将 IP 更改为 <**Static**>。



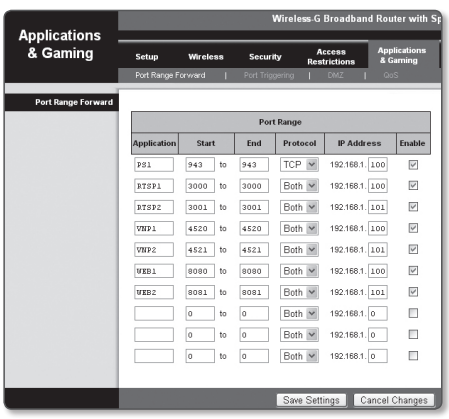


路由器端口设置

如果您安装了连接摄像机的宽带路由器，就必须设置在宽带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. 从宽带路由器的 Setup 菜单中，选择 <**Applications & Gaming**> - <**Port Range Forward**>。
   对于第三方宽带路由器端口范围前移设置，请参阅该宽带路由器的用户手册。
2. 对连接到宽带路由器的每个摄像机选择 <**TCP**> 和 <**UDP Port**>。
   宽带路由器的每个端口号都应该与在摄像机的 Web Viewer 菜单的 <**设置**> - <**网络**> - <**端口**> 中指定的端口号相符。
3. 完成后，单击 [**Save Settings**]。
   将保存设置。



网络连接和设置

- 以上样本说明基于 CISCO 的宽带路由器。
- 设置可能因连接的宽带路由器型号而异。
  有关详细信息，请参阅适用路由器的用户手册。

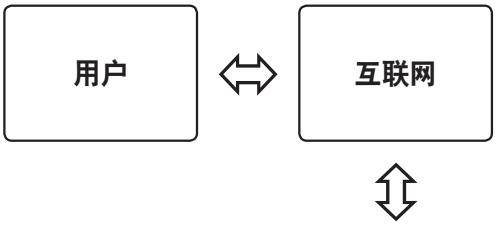
设置多个网络摄像机的端口范围前移

当多个网络摄像机连接到一个宽带路由器设备时，您应将路由器的 TCP 943 端口前移到所连接摄像机的 TCP 943 端口。

- 如果您没有正确设置路由器的 TCP 943 端口，则无法从摄像机的网页上获得任何视频流。

- TCP 943 端口是摄像机的 Silverlight 策略服务器端口。
- 您可通过配置网页在宽带路由器设备上设置 正向端口的规则。
- 您无法更改摄像机的 Silverlight 策略服务器端口。
- 您可通过其配置网页更改摄像机的端口，但不可更改策略服务器端口。

当摄像机 1和摄像机 2连接至同一路由器时：



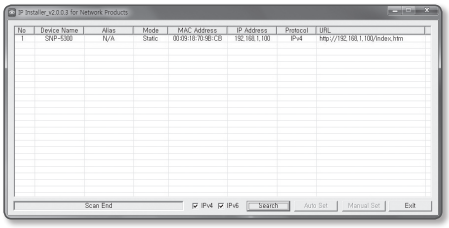
宽带路由器			
开始	结束	协议	IP 地址
943	943	TCP	192.168.1.100
3000	3000	TCP/UDP	192.168.1.100
3001	3001	TCP/UDP	192.168.1.101
4520	4520	TCP/UDP	192.168.1.100
4521	4521	TCP/UDP	192.168.1.101
8080	8080	TCP/UDP	192.168.1.100
8081	8081	TCP/UDP	192.168.1.101

摄像机 1 (192.168.1.100)	
Web 服务器端口	8080
设备端口	4520
RTSP 端口	3000
策略服务器端口	943

摄像机 2 (192.168.1.101)	
Web 服务器端口	8081
设备端口	4521
RTSP 端口	3001
策略服务器端口	943

从共享的本地 PC 连接到摄像机

1. 运行 IP Installer。
   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。
   互联网浏览器将启动，并连接到摄像机。



▪ 您也可以在互联网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

由于不允许在不属于宽带路由器网络群集的远程计算机上使用 IP Installer，所以用户需通过摄像机的 DDNS URL 在宽带路由器网络内访问摄像机。

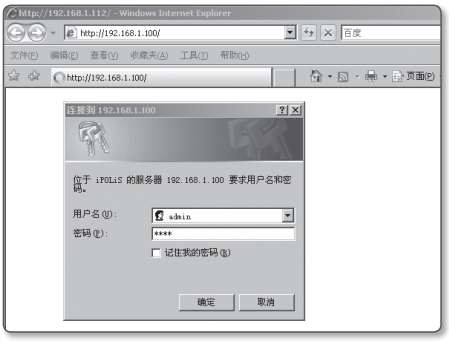
1. 您应该设置宽带路由器端口范围前移，然后才能访问宽带路由器网络中的摄像机。
2. 从远程 PC 启动互联网浏览器，并在地址栏中键入摄像机的 DDNS URL 地址，或宽带路由器的 IP 地址。
   例) http://www.samsungipolis.com/[产品 ID]

▪ 有关注册 DDNS 设置，请参阅 **“注册 DDNS”**。（第 70 页）

web 查看器

连接到摄像机

通常，您应该：



1. 启动互联网浏览器。
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. 启动互联网浏览器。
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. 启动互联网浏览器。
2. 在地址栏中键入摄像机的 DDNS URL。
   例) URL 地址 : http://www.samsungipolis.com/[产品 ID]
   - 将会出现登录对话框。

检查 DDNS 地址

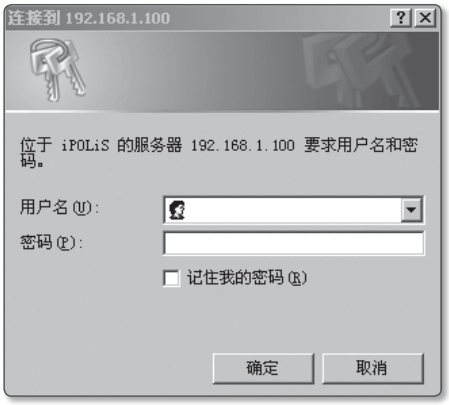
如果摄像机直接连接到 DHCP 有线电视网调制解调器、xDSL 调制解调器或 PPPoE 调制解调器，每当您尝试连接到 ISP（互联网服务提供商）服务器时，您的网络 IP 地址都会更改。
在这种情况下，将不会通知您 IP 地址已被 DDNS 更改。

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 www.samsungipolis.com 并先注册您的设备，然后将 Web Viewer 的 <**网络**> - <**DDNS**> 设置为 <**Samsung DDNS**>，同时提供用于 DDNS 注册的 <**产品 ID**>。

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(U)**> 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(P)**> 输入框中输入“4321”。
   如果更改了密码，请输入更改的密码。
3. 单击 [**确定**]。
   如果已成功登录，您将会看到 Live Viewer 屏幕。



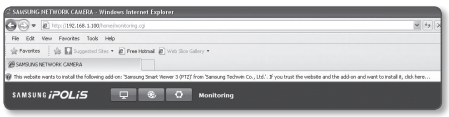
- 默认的用户 ID 为“admin”，默认的密码为“4321”。
- 为安全起见，请确保在 <**系统**> - <**用户**> 中更改了密码。
- 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改密码。
  请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。
- 如果您在完成输入之后选中“**记住我的密码 (R)**”选项，则从下次起将自动登录，而不会提示输入登录信息。

- 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。

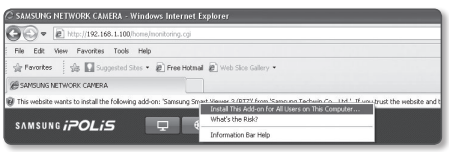
安装 ActiveX

如果首次连接到摄像机，您将会看到安装消息。然后，安装所需的 ActiveX 以访问摄像机并在摄像机内实时控制视频。

1. 访问监视页面的开始屏幕时，请单击该页面顶部的黄色警告消息。



2. 单击 <**Install This Add-on for All users on This Computer...**>。



3. 安全性警告弹出窗口将会出现，单击 [**Install**]。
4. 访问摄像机后如果已正确安装了所需的 ActiveX，应该会出现现场屏幕。

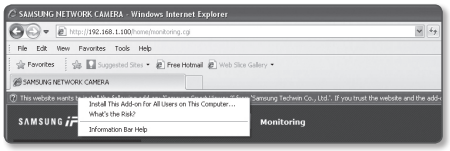


web 查看器

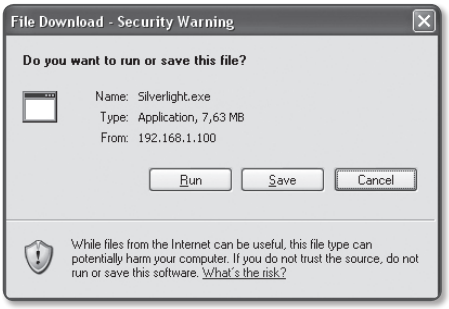
安装 Silverlight Runtime

如果您的计算机未安装 Silverlight Runtime 或只安装了 Runtime 旧版本，当访问 Web 查看器时， 会自动将打开 Silverlight Runtime 安装页面。

1. 单击 <**Click Here**>。



2. 当文件下载对话框弹出时，请单击 <**Run**>。



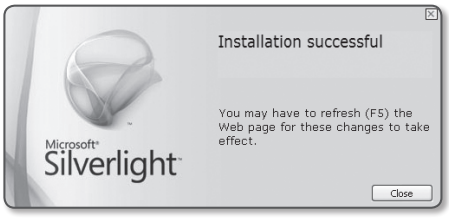
3. 完成下载后，请单击 <**Run**>。



4. 将显示 Silverlight Runtime 安装页面。
   单击 <**Install now**> 以进行安装。



5. 完成后，请单击 <**Close**>。



6. 关闭并重新启动 Web 浏览器，然后尝试访问 Web 查查器。
   正确安装 Silverlight Runtime 后，将看到现场屏幕。



- 为了使安装正常进行，请按以下方式设置拦截弹出窗口设置：
  例) **Internet Explorer → 工具 → 拦截弹出窗口 → 关闭弹出阻止程序 (B)**
- 但是，未连接至互联网的 MAC OS X 用户，可以使用提供的安装 CD 来安装 Silverlight Runtime（运行 CD 中的可执行文件“Silverlight_xxx.dmg”。将会指导您完成软件的安装过程）。

web 查看器

使用现场屏幕



项目	说明
1 正在监视	移至监视屏幕。
2 播放	切换至播放 SD 内存卡中录制的数据的监视屏幕。
3 设置	移至设置屏幕。
4 查看器屏幕	显示屏幕上的现场视频。
5 自动聚焦	自动调整焦点。
6 继电器	激活警报输出端口。
7 音频/麦克风控制	激活音频和麦克风，控制音频音量。

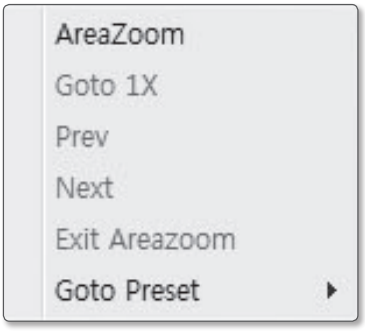
项目	说明
8 隐藏警报指示器	隐藏查看器屏幕边沿附近的警报指示器。 ▪ 在下列情况下，警报消息将弹出在查看器边框上。 - 如果事件（警报、移动探测、视频分析、音频检测、面部探测、防拆检测）发生 - 如果关闭摄像机 - 如果网络断开连接
9 PTZ	控制摄像机的平移/倾斜/变焦操作。
10 数字 PTZ	使用鼠标滚轮来控制数字变焦。
11 屏幕优化，全屏	将屏幕调整为最佳大小，并在现场屏幕上显示全屏图标。
12 捕捉	当前图像另存为 .jpg 或 .bmp 图像文件。
13 视频格式	可以在 <**音频 & 视频**> 设置菜单下的 <**视频配置文件**> 中选择配置文件类型。 如果显示“编解码器无效”消息，请再次从配置文件列表中选择配置文件类型。

- 如果温度低于操作范围，则可能不会产生视频信号。此种情况下，请等待视频。
- 只有管理员能够访问与播放和设置菜单相关的网页。对于其他用户帐户，会取消激活这些按钮。

启用缩放区域模式

从查看器屏幕右键单击以显示下面的上下文菜单：
菜单项和说明

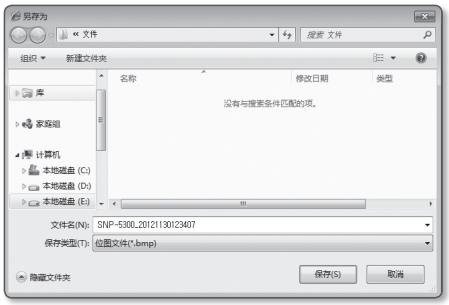
- AreaZoom：缩放用鼠标选定的区域。
- Goto 1X：将当前缩放因数更改为 x1。
- Prev：返回上一区域和设置。
- Next：如使用 Prev 导航，它将切换到导航前的区域和设置。
- Exit Areazoom：退出区域缩放模式。
- Goto Preset：移至预设位置。



web 查看器

捕捉快照

1. 在场景上单击 [ ] 进行捕捉。
   捕捉对话框将会出现。
2. 确认保存路径，单击[**保存(S)**]按钮。
   屏幕截图会保存在指定的路径中。



- 如果您在 Windows 7 计算机上使用 IE8 时发生视频中断，请从“**工具 – Internet 选项 – 安全**”中取消选择“**启用保护模式**”。

切换音频声音

1. 单击 [**音频 (** **)**] 按钮。
   查看器中将显示相应的按钮。
2. 单击该按钮以根据需要听取声音/静音。
   此按钮工作方式为切换按钮。



切换麦克风声音

1. 单击 [**麦克风 (** **)**] 按钮。
   查看器中将显示相应的按钮。

- 若没有麦克风，“**找不到任何可用的音频捕捉设备!**”消息将会出现。

2. 单击该按钮以开始/停止交谈。
   此按钮工作方式为切换按钮。
   单击麦克风按钮时，Silverlight 权限对话框将会出现。

- 因为音频和麦克风按钮 (,) 仅用于在查看器屏幕上显示或隐藏切换按钮，所以您无法控制那些按钮的实际操作。因此，如果您要调整麦克风或音频设置，请使用查看器屏幕上的切换按钮。

适合全屏

1. 单击 [**全屏 (** **)**] 按钮。
   查看器中将显示相应的按钮。
2. 单击该按钮。
   这将使查看器适合全屏。
3. 要退出全屏模式，请按键盘上的 [**Esc**]。

- 对于 ActiveX 查看器，只需单击页面上相应的按钮就可以执行该操作，因为音频 I/O 按钮和全屏按钮未显示在屏幕的顶部。

控制 PTZ

1. 按下 [**PTZ (**)] 按钮。
2. 当屏幕上出现 PTZ 按钮条时，请使用方向按钮根据您的喜好调整摄像机角度、变焦系数或聚焦。

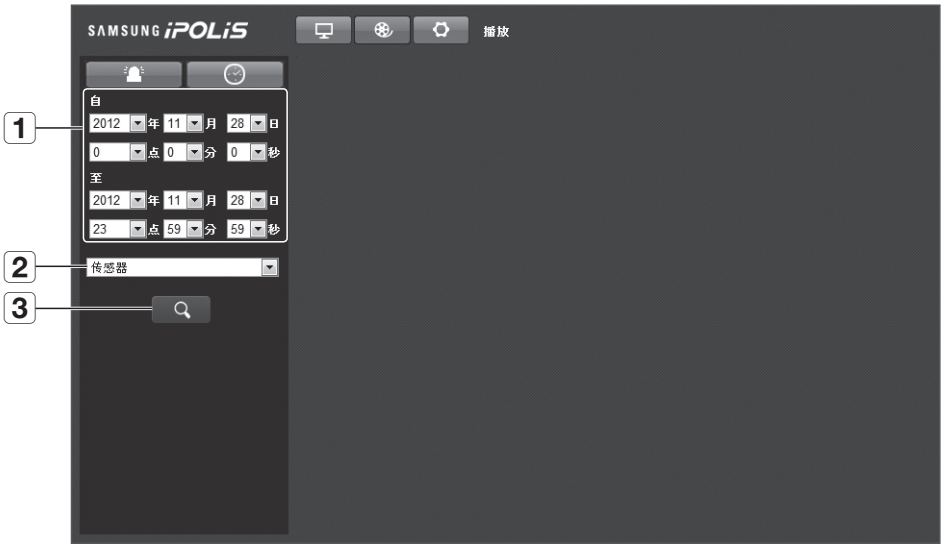


▪ 有关 PTZ 使用的详细信息，请访问 “**PTZ 设置**”。（第 56 页）

播放录制的视频

▪ 在可以播放视频之前，必须配置录制设置。有关录制设置的详细信息，请参阅 “**SD 录制**”。（第 76 页）

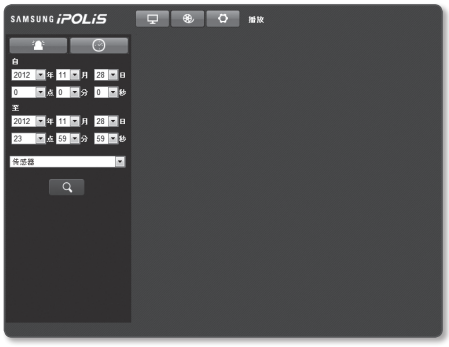
在按事件搜索后播放内容



项目	说明
1 **搜索范围设置**	根据 SD 内存卡中保存的数据设置搜索日期和时间。
2 **搜索事件设置**	将事件类型设置为在搜索时间段内搜索。
3 **事件搜索**	运行事件搜索。

web 查看器

1. 单击 [**播放 (**)] 按钮。
2. 指定搜索的开始和结束时间。
3. 选择指定时间段内搜索的事件类型。
4. 单击 [**搜索 (**)] 按钮。
   搜索结果将显示在列表中。



- 如果在搜索时间段内录制了超过 800 个事件，则搜索将限制为录制第 800 个事件的日期。
  例如，如果搜索时间段在一个月的第 10 天和第 15 天之间，并且在第 10 天到第 11 天录制了超过 800 个事件，则搜索将限制为最多第 11 天（共 800 个事件），将找不到之后（从第 12 天开始）的事件。

5. 在搜索列表中选择要播放的数据项目。
6. 单击 [**播放 (**)] 按钮。
7. 要停止播放视频，请单击 [**停止 (**)]。
   要返回到搜索屏幕，请单击 [**退出 (**)]。



在按时间搜索后播放



项目	说明
1 时间条	通过移动时间条播放特定时间段的部分。
2 搜索日期设置	使用日历设置搜索日期。 ▪ 在日历的框中显示 SD 内存卡中有视频的日期。
3 全屏幕	转换当前图像，使它覆盖显示器的最大尺寸。
4 屏幕优化	转换摄像机图像，使它适合 Web 浏览器窗口。
5 捕捉	当前图像另存为 .jpg 或 .bmp 图像文件。
6 音频开/关	它用于设置已录制视频的音频使用选项。 ▪ 启用此按钮时，将激活视频的音频。
7 视频信息	屏幕上将显示回放视频的时间数据。
8 备份	时区设置为备份 SD 内存卡中保存的视频。 ▪ 最多可设置为 5 分钟。

▪ Internet Explorer 以外的 Web 浏览器不提供时间搜索。

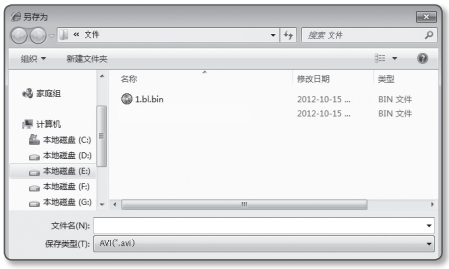
web 查看器

1. 单击 [**按时间搜索 (**)].
2. 在日历中单击所需日期。
   将会播放指定日期上的视频。
3. 停止视频时，请选择一个时间并单击 [**播放 (**)]。
   将播放选定时间的视频。
4. 播放视频时，将会显示当前视频的录制时间。
5. 向前或向后搜索视频，并控制播放速度。
   - 控制播放速度
     如果选择 ▶▶，按钮将切换为 x1，x2，x4，x8，并且播放速度相应提高。
     如果选择 ◀◀，播放速度降至 -x1，-x2，-x4，-x8，并且播放速度逐渐放慢。随后，快速播放速度恢复为正常速度，反向播放速度增加。
   - 控制播放方向
     如果您看到显示 ▶▶ 按钮和播放速度，将会向前播放视频；而如果您看到显示 ◀◀ 按钮和播放速度，将会向后播放视频。
6. 先将 [**时间滑块 (**)] 移至视频的所需时间点再播放。
   包含标准录制文件的时间将以蓝色突出显示；包含事件录制内容的时间将以红色突出显示。



备份搜索到的视频

1. 在场景上单击 [ ] 进行备份。
   另存为窗口出现。
2. 确认保存路径，单击 [**保存(S)**] 按钮。
   选择的数据将以 .avi 格式备份到指定的路径。



播放备份视频

可以使用 Windows Media Player 或 VLC Media Player 播放已存储（已备份）的视频。

设置屏幕

设置

可以配置网络中的摄像机的音频与视频、网络、事件和系统设置。

1. 在现场屏幕中，单击 [**设置 (**)]。
2. 设置屏幕将会出现。

音频与视频设置

视频配置文件

1. 从设置菜单，选择 <**音频 & 视频 (**)> 选项卡。
2. 单击 <**视频配置文件**>。
3. 选择 <**视频配置文件**> 编号。
4. 单击每个项目的输入框，并输入/选择所需的值。
   - 上下文菜单可能因所选的编解码器类型而异。
   - 默认配置文件：如使用 Web Viewer 时未选择任何配置文件，则使用默认视频配置文件。
   - 电子邮件/FTP配置文件：将传送至指定的电子邮件或 FTP 站点的视频配置文件。
     - 只能将 MJPEG 编解码器设置为电子邮件/FTP 配置文件。
     - 如果选择电子邮件/FTP 配置文件，帧速率将固定为 5 以下。
   - 录制配置文件：这是应用于视频录制的配置文件。
5. 完成后，请单击 [**应用 (**)]。



<**录制配置文件**> 的设置对于 MJPEG，如果分辨率高于 800x600，或者对于 H.264，如果目标比特率大于 4800kbps，<**SD 录制**> 的 <**普通**> 和 <**事件**> 设置会自动更改为图像帧。在此情况下，所应用的设置会保留下来，即使更改分辨率或目标比特率也是如此。

- 配置文件 1 和 2 通过出厂默认值提供，无法删除或重命名；此外，编解码器也不能以任何方式更改。

设置屏幕

添加视频配置文件

可以根据需要添加许多编解码器，以便可以根据录制条件应用各种配置文件。

1. 选择配置文件编号。
2. 提供名称并选择编解码器。
3. 指定将应用编解码器的条件。
4. 指定所选编解码器的详细信息，包括分辨率和帧率。
   - 分辨率：设置 H.264 和 MJPEG 文件的视频大小。
   - 帧率：指定帧率。
   - 压缩：指定视频的压缩率。
   - 比特率控制：您可从恒定比特率和可变比特率中选择一种方式进行压缩。
     恒定比特率可改变视频质量并且固定网络传输比特率，而可变比特率则通过改变网络传输比特率来强调质量。
   - 最大比特率：指定视频的最大比特率。

     ▪ 由于比特率可以根据清晰度、帧频和屏幕复杂性进行有限的调整，所以实际比特率可能比最大比特率要大。所以在设定值时必须考虑使用环境。

     ▪ 对于存在多个连接，稳定接收视频/音频信号的最大/目标总比特率时 20Mbps。例如，如连接了 10 个用户，最大/目标比特率必须设置为 2Mbps (2048kbps) 或更低。

   - 目标比特率：指定传输视频将用的比特率。
   - 编码优先权：可以将视频传输方法设置为帧率或质量。
   - GOP 尺寸：在 1 至 150 之间选择 GOP 大小。
   - 配置文件：可以选择 H.264 靠模方法。
   - 熵编码：减少可能因编码引起的压缩损失。
   - 智能编码：指定使用智能编解码器。

     ▪ 仅当编解码器为 H.264 并且压缩系统是 CBR 时，“智能编码”才会活动。

   - 多播(VNP)：指定使用 VNP 协议。
     - IPv4：输入可用于连接至 IPv4 网络的 IPv4 地址。
     - 端口：指定视频通信端口。
     - TTL：为 VNP 数据包设置 TTL。
   - 多播(RTP)：指定 RTP 协议的使用。
     - IPv4：输入可用于连接至 IPv4 网络的 IPv4 地址。
     - 端口：指定视频通信端口。
     - TTL：可为 RTP 数据包设置 TTL。

GOP 大小是什么?

GOP（图片组）是用于 H.264 压缩的视频帧，表示从初始图像帧（关键帧）到下一个图像帧的帧集合。GOP 由 2 类帧组成：I 帧和 P 帧。

I 帧是压缩的基本帧，也称为关键帧，包含一幅完整图像的数据。P 帧仅包含与先前的 I 帧相比发生了变化的数据。

可为 H.264 CODEC 指定 1 与 150 之间的值。

视频设置

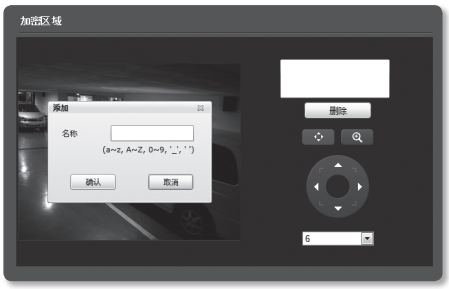
1. 从设置菜单，选择 <**音频 & 视频 (**)> 选项卡。
2. 单击 <**视频设置**>。
3. 选择 <**视频源**> 模式。
   - 翻转/镜像 模式：颠倒或反向显示摄像机中的视频。
   - 数字翻转：它限制了摄像机镜头的垂直屏幕导航范围。
4. 指定隐私区域。
5. 完成后，请单击 [**应用 (**)]。



设置加密区域

可以指定为了您的隐私将保护摄像机视频的某些区域。

1. 将其设置为 <**启用**>。
2. 完成后，请单击 [**应用 (**)]。
3. 选择所需加密区域的颜色遮挡。
4. 将光标放在视频的一个点上，然后将它拖到所需的任何部分。
5. 提供名称，然后按 [**确定**]。
6. 如果您要删除列表中的某个区域，请选择区域，然后单击 [**删除 (** 删除)]。



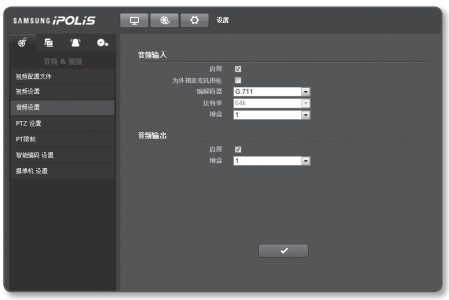


- 如加密区域小于最小大小，该区域将设置为最小大小或更大。

音频设置

可以配置摄像机的音频源的 I/O 设置。

1. 从设置菜单，选择 <**音频 & 视频 (**)> 选项卡。
2. 单击 <**音频设置**>。
3. 设置音频输入值。
   - 启用：它用于设置音频输入的使用选项。
   - 为外接麦克风供电：如果连接的外部麦克风没有独立的电源，请选中此选项以将摄像机设置为向连接的外部麦克风供电。



设置屏幕

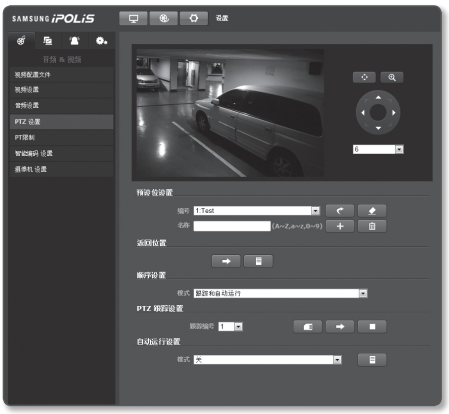
- 编解码器：选择要使用的编解码器。
  - G.711：一种音频编解码器标准，它使用 64 Kbps PCM（脉冲编码调制）编码。ITU 标准音频编解码器，对于在 PSTN 网络或通过 PBX 进行的数字语音传输而言已经足够。
  - G.726：ITU 标准音频编解码器，将可变比特率 40/32/24/16 Kbps 的 ADPCM（自适应差分脉冲编码调制）应用于 64 Kbps PCM 编码。
- 比特率：如果使用 G.726 编解码器，则设置比特率以区分压缩比。
- 增益：设置输入音频增益。

4. 设置音频输出级别。
   - 启用：设置是否使用音频输出。
   - 增益：设置输出音频增益。
5. 完成后，请单击 [**应用 (** ✓ **)**]。

PTZ 设置

可以更改镜头的方向并激活变焦。

1. 从设置菜单，选择 <**音频 & 视频 (** **)**> 选项卡。
2. 单击 <**PTZ 设置**>。
3. 单击 [**方向调整 (** **)**]。
   - [**将方向更改为 (** **)**/(**)**/(**)**/(**)**]：更改摄像机镜头的方向。
   - [**移动速度控制 (** 6 **)**]：数字越大，移动速度越快。



4. 设置缩放和对焦。
   - [**放大 (** **)**]：放大屏幕。
   - [**缩小 (** **)**]：缩小屏幕。
   - [**调焦 (** **/** **)**]：调整屏幕中的焦点。
   - [**变焦速度控制 (** 4 **)**]：数字越大，变焦速度越快。
5. 设置预设。
6. 在屏幕上设置起始位置（返回位置）。



添加预设

1. 选择要添加的预设编号。
2. 设置预设的名称。
3. 按下 [+] 按钮。

删除预设

1. 选择要删除的预设编号。
2. 按下 [🗑] 按钮。

移至所需预设位

1. 选择想要移动的预置编号。
2. 按下 [↶] 按钮。

配置预设位的详细设置

1. 选择想要配置的预设位的编号。
2. 按 [✎] 进入预设位编辑模式。
   - No. XX：显示所选预设位的编号。
   - 预设编辑：可以根据选择的预设位编辑摄像机设置。
     有关预设位编辑的更多信息，请参阅 “**摄像机设置**”。（第 62 页）
     - 特殊中的<**动作**>决定了是否自动运行预设位。
   - 视频分析：分析所选预设位的视频。
     有关视频分析的详细信息，请参阅 “**VA / MD**”。（第 78 页）
3. 完成后，请单击 [**应用 (** ✓ **)**]。
4. 按[↶] 回到 PTZ 设置屏幕。





> ▪ 保存预设位之后，请确保通过单击 [↶] 按钮或浏览器的“返回”按钮关闭预设位编辑方式。如果您在窗口仍然打开时更改其他摄像机的设置，则这可能会导致错误。

设置返回位置

1. 移至所需起始屏幕点并按 [≡]。
   该点将设置为返回位置。
2. 单击返回位置中的 [→] 您将移至预先确定的返回位置。

设置屏幕

配置摆动设置

摆动是在两个预置点之间移动并让您可以跟踪移动的监控功能。



1. 将 <**顺序设置**> 中的 <**模式**> 设置为 <**摆动**>。
   菜单屏幕将切换到摆动设置屏幕。
2. 选择摆动设置模式。
   - 平移摆动：可使用平移功能设置摆动监视。
   - 倾斜摆动：可使用倾斜功能设置摆动监视。
   - 平移和倾斜摆动：可设置同时使用水平和上下功能的摆动监控。
3. 设置 <**首次预设**> 和 <**第二次预设**> 以指定摆动范围。
4. 设置移动速度和停留时间。
5. 按下 [▤] 按钮。
   首次预设、第二次预设、速度和停留时间将保存在设置模式中。
6. 按下 [➡] 按钮。
   它执行摆动操作。
7. 按下 [■] 按钮。
   正在运行的摆动将停止。

配置组设置

组功能让您可以为各种预置分组，然后可以按顺序调用它们。
每组最多可以包含 128 个预置。



1. 将 <**顺序设置**> 中的 <**模式**> 设置为 <**组**>。
   菜单屏幕将切换到组设置屏幕。
2. 选择组设置模式。
   - 组编号：选择组编号。
   - 预设编号：选择预置编号。
   - 速度：指定移动的速度。
   - 停顿时间：指定操作在预置位置保持的持续时间。
3. 按下 [＋] 按钮。
   您的设置将输入右边的列表中。
4. 按下 [▤] 按钮。
   将保存右边列表上的设置数据。
5. 按下 [➡] 按钮。
   它执行分组操作。
6. 按下 [■] 按钮。
   正在运行的分组将停止。
7. 按下 [🗑] 按钮。
   将删除所选的组数据。

配置浏览设置

浏览功能让您可以按顺序调用预置的组。



1. 将 <**顺序设置**> 中的 <**模式**> 设置为 <**浏览**>。
   菜单屏幕将切换到浏览设置屏幕。
2. 详细配置浏览设置。
   - 组编号：选择组编号。
   - 停顿时间：指定调用新组之前的等待时间。
3. 按下 [+] 按钮。
   您的设置将输入右边的列表中。
4. 按下 [▤] 按钮。
   将保存右边列表上的设置数据。
5. 按下 [➡] 按钮。
   它执行浏览操作。
6. 按下 [■] 按钮。
   正在运行的浏览将停止
7. 按下 [🗑] 按钮。
   将删除所选的浏览数据。

设置跟踪功能

跟踪会记住使用方向按钮指示的移动踪迹并重现它供您参考。



1. 将 <**顺序设置**> 中的 <**模式**> 设置为
   <**跟踪和自动运行**>。
   屏幕菜单将切换到 PTZ 跟踪和自动操作菜单屏幕。
2. 选择跟踪编号。
   将会保存该操作，并显示存储卡使用情况。
   保存时间会因 PTZ 操作的级别而异。
   如内存已达到 100% 或录制结束配置从保存开始的 2 分钟内未完成，它将自动终止。
3. 按下 [▣] 按钮。
   将保存所选跟踪编号。
4. 使用平移/倾斜/缩放移动保存的导航路径。
5. 按下 [■] 按钮。
   保存已终止。
6. 按下 [➡] 按钮。
   将按设置激活所选跟踪编号。

设置屏幕

设置自动运行

如果用户在特定时间内未在产品上执行任何操作，此功能将激活预先定义的顺序功能。

1. 将 <**顺序设置**> 中的 <**模式**> 设置为 <**跟踪和自动运行**>。
   屏幕菜单将切换到 PTZ 跟踪和自动执行菜单屏幕。
2. 选择自动运行模式。
   - 始位：它移到始位。
   - 预设：它移到选定预设位编号。
     - 可在预设位编辑的“**附加菜单-动作**”中设置自动运行预设位。（第 57 页）
   - 摆动：自动在摆动模式下执行操作。
   - 组：自动在组模式下执行操作。
   - 浏览：自动在浏览模式下执行操作。
   - 跟踪：自动在跟踪模式下执行操作。
   - 自动平移：自动沿水平方向执行 360° 旋转。



PT 限制

可以对水平或上下功能指定限制。



1. 从设置菜单，选择 <**音频 & 视频 (**)> 选项卡。
2. 单击 <**PT 限制**>。
3. 指定是否要限制 PT 操作。 如果要限制，请指定详细信息。
   - 模式：选择要设置在平移限制和倾斜限制之间的模式。
   - 使用：指定是否使用平移/倾斜功能。
   - 倾斜的范围 : 选择倾斜限制范围。
   - 动作 : 设置 PT 限制操作。
     - [开始]：开始限制设置。
     - [进入]：提供开始和结束点。
     - [退出]：如果要更改点设置，请单击此项以返回到输入对话框。

智能编码 设置

设置来自摄像机的所需视频进入区域作为 ROI 区域，并指定该区域的探测灵敏度。



1. 从设置菜单，选择 <**音频 & 视频 (**)> 选项卡。
2. 单击 <**智能编码 设置**>。
3. 选择 ROI 区域。
   - 面部探测：如果在监视屏幕上识别到面部，则此项处于活动状态。

   ▪ 仅当满足下列条件时，面部探测功能才可用：
   - 面部定位在从顶部偏左或右 ±45 度的位置。
   - 面部旋转的有效范围是垂直 ±30 度，水平 ±60 度。
   - 面部的最小尺寸是分辨率为 320x240 时 20x20。

   - 手动：指定要手动监视的 ROI 区域。
4. 选择 ROI 区域质量。
5. 如果手动指定 ROI 区域，请用鼠标指针选择所需区域，然后根据需要拖动它。
   ▪ 最多可以指定 5 个独立的区域。
6. 要取消选择，只需单击 [🗑]。
7. 完成后，请单击 [**应用 (** ✓)]。

▪ 如果在 <**视频配置文件**> 中将智能编解码器设置为 <**关**>，则它不活动。（第 53 页）

设置屏幕

摄像机设置

可以根据摄像机所在的环境更改摄像机设置。

1. 从设置菜单，选择 <**音频 & 视频 (**)> 选项卡。
2. 单击 <**摄像机设置**>。
3. 根据需要配置以下各项的设置：SSDR、白平衡、背光补偿、曝光、附加菜单、焦点、OSD 和时间 OSD。
4. 完成后，请单击 [**应用 (**)]。
   - 如果在更改设置之后经过一定的时间未按 [**应用 (**)] 按钮（超时：240 秒），则不会应用您的更改。



SSDR (Samsung Super Dynamic Range) 设置

在明暗差异非常大的场景中，您可以单独增加黑暗区域的亮度以调整总亮度。

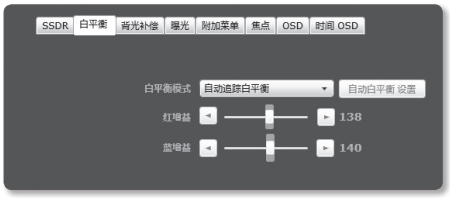
1. 选择 <**SSDR**>。
2. 将 <**模式**> 设置为 <**开**>。
3. 根据需要配置 <**SSDR 级别**> 设置。
   - SSDR 级别：调整动态范围的级别。



白平衡设置

在任何照明条件下，可以基于白色校正图像颜色。

1. 选择 <**白平衡**>。
2. 选择 <**白平衡模式**>。
   - 自动追踪白平衡：自动校正摄像机视频的颜色。
   - 手动：可以手动调整摄像机视频的红色和蓝色增益。
   - 自动白平衡：根据当前照明条件和屏幕模式进行优化，校正摄像机视频的颜色。
     要获得当前照明的最佳条件，请将摄像机的焦点对准白纸，然后按 [**自动白平衡 设置**] 按钮。
     如果更改照明环境，应该相应地调整这些设置。
   - 室外：根据室外环境进行优化，自动校正摄像机的视频颜色。
   - 室内：根据室内环境进行优化，自动校正摄像机的视频颜色。



▪ 在自动白平衡模式中，如果要保留当前图像的白平衡级别，请单击 [**自动白平衡 设置**] 按钮。

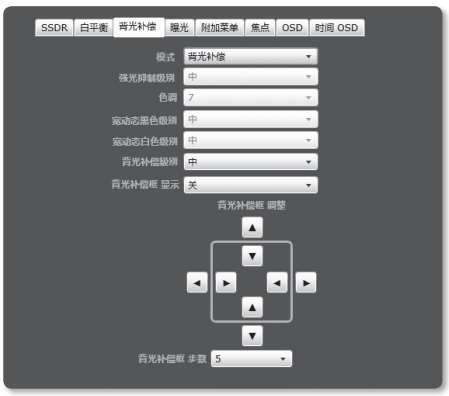
▪ 在下列情况下，白平衡可能无法正常工作：
在这种情况下，请切换到“自动白平衡”模式。

- 如果物体的周围环境条件超出测试校正范围
示例）清澈的蓝天，日落
- 如果物体的周围环境黑暗
- 如果摄像机的焦点直接面对荧光灯照明，或者如果将摄像机安装在照明变化的位置，白平衡操作可能会不稳定。

背光补偿设置

可以手动在视频上指定想要的区域和设置要更清晰显示的区域。

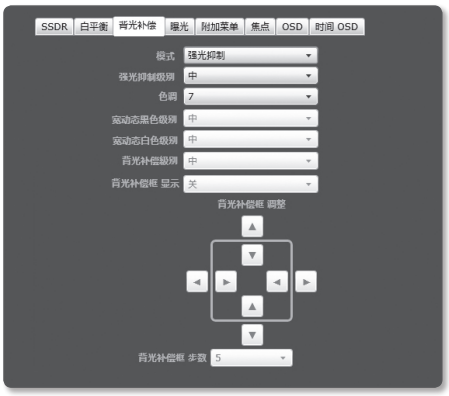
1. 选择 <**背光补偿**>。
2. 将 <**模式**> 设置为 <**背光补偿**>。
3. 选择各项并进行正确设置。
   - 背光补偿级别：可以更改级别以调整监视区域的亮度。
   - 背光补偿框 显示：指定背光补偿框的模式。
   - 背光补偿框 调整：使用箭头按钮调节背光补偿框的大小和位置。
   - 背光补偿框 步数：指定移动的像素单位。您可以使用 <**背光补偿框 调整**> 以增加或减少像素。



强光抑制设置

如路灯或车辆头灯等强光照向摄像机，可将区域设置为切除以避免显示器上出现饱和区域。

1. 选择 <**背光补偿**>。
2. 将 <**模式**> 设置为 <**强光抑制**>。
3. 选择各项并进行正确设置。
   - 强光抑制级别：这里可调整亮度级别以切除高亮区域。
   - 色调：这里可调整切除区域的亮度。
     - 随着数值增加，可将颜色设置为由暗变亮。



▪ 在晚上操作时，仅当在低照度环境中进入高光越过区域时，才会激活此功能。

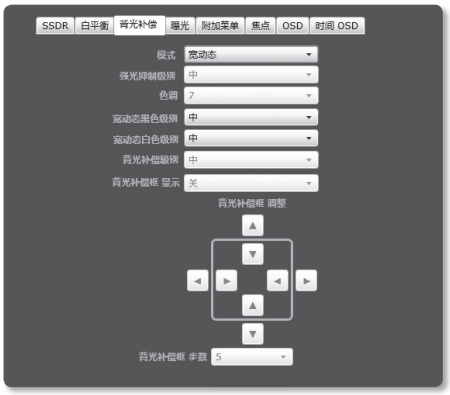
▪ 在晚上工作时，强光抑制将不会在太亮或太暗场景中工作。

设置屏幕

宽动态设置

您可以设置为在明亮和黑暗区域都存在的场景中，显示物体的清晰图像。

1. 选择 <**背光补偿**>。
2. 将 <**模式**> 设置为 <**宽动态**>。
3. 选择各项并进行正确设置。
   - 宽动态黑色级别：这里可调整亮区的亮度。
   - 宽动态白色级别：这里可调整暗区的亮度。



- 通过网络进行的数据传输最高速度可达 30 fps。
- 如果宽动态模式处于活动状态，则移动的物体可能会导致屏幕上有重影。

示例）



<宽动态关>



<宽动态开>

- 如果选择宽动态，则可能会遇到下列问题。因此，请将它设置为不使用。
  - 颜色的不自然变化，导到屏幕上的图像不自然
  - 图像明亮区域的噪点
- 因为宽动态功能的性能可能会因图像明亮区域的大小而异，建议优化安装角度以取得最佳性能。
- 在夜间操作时，在低对比度环境中，仅当进入光线超过特定区域时，才会激活此功能。
- 如果选择启用数字逐行扫描，则会自动将宽动态设置为固定。
- 为了达到最佳宽动态性能，建议将光圈模式设置为 <**自动**>。
- 如使用了用户背光补偿，由于可根据照明条件反复执行自动对焦操作，建议使用 <**一次性自动聚焦**> 或 <**手动**> 对焦模式。
- 宽动态模式中无法使用 SSDR 和快门。

曝光设置

可以调整摄像机的曝光级别。

1. 选择 <**曝光**>。
2. 选择各项并进行正确设置。



- 亮度：调整屏幕亮度。
- 快门 模式：调整摄像机的电子快门。
  - 自动（电子快门控制）：根据环境亮度自动调整快门速度。
  - 手动：手动调整摄像机的快门速度。
  - 防闪烁：如果您遇到由于频率与环境照明不匹配导致屏幕闪烁的情况，请选择此功能。
  - 仅当快门类型为 <**自动**> 时，可使用感光度，当快门类型为 <**手动**> 或 <**防闪烁**> 时无法使用。但使用宽动态模式时，无论快门类型如何，都可使用感光度。（受自动增益影响除外）
  - 如背光补偿设置为宽动态模式，则无法使用快门。
- 快门 速度：手动控制快门速度。
- SSNR3：指定使用降噪。
  - • 如自动增益模式设置为 <**关**> 或 <**手动**>，则无法使用 SSNR3 模式。
- 感光度 模式：自动感应夜间或低对比度场景的黑暗程度，相应地延长累积时间，以获得明亮清晰的图像。
  - 仅当快门类型为 <**自动**> 时，可使用感光度。
  - 如自动增益模式设置为 <**关**> 或 <**手动**>，则无法使用感光度模式。
  - 视频累积因子越大，屏幕亮度越高，但移动物体的残像相应增加，并且自动对焦模式可能无法正确操作。
  - 如果未使用增益，将会禁用感光度。
- 感光度 倍率：在低对比度场景中将工作条件设置为自动模式。
- 光圈：您可以根据偏好设置为自动或手动。
  - 自动：自动设置光圈自适应环境照明和快门速度。
  - 手动：光圈 F-No 需手动设置。
- 光圈值：如果将光圈模式设置为“手动”，请指定光圈的 F 数值。
  - 随着 F-No 增加，光圈缩小，因此屏幕会变暗；随着 F-No 减小，屏幕会变亮。
- 自动增益 模式：选择自动增益控制模式。
  调整视频的增益值（即，具体地说，在低对比度场景中录制且亮度级别低于正常）以控制视频亮度。
  - 如自动增益模式设置为<**关**>，则无法使用 SSNR、感光度和日/夜模式设置中的<**自动**>模式。
  - 如自动增益模式被设置为<**手动**>，则无法使用感光度和日/夜模式设置中的<**自动**>模式。
- 自动增益值：如果将自动增益模式设置为手动，请指定 0dB 与 42dB 之间的值。

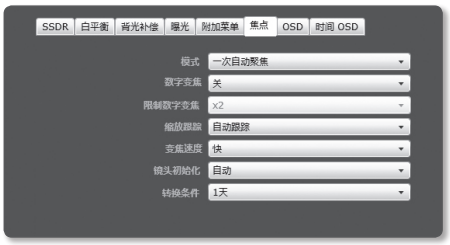
设置屏幕

附加菜单设置



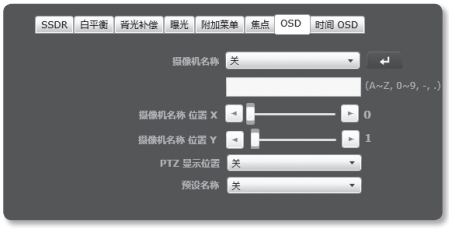
1. 选择 <**附加菜单**>
2. 选择各项并进行正确设置。
   - 数字稳定：自动补偿屏幕上发生的闪烁。
     - 如使用 VA/MD 和防拆检测，则无法使用数字稳定。
     - 如使用数字稳定，则无法使用数字变焦。
   - 日夜：可以切换该模式以调整黑白层次及颜色。
     - 彩色：始终以彩色显示视频。
     - 黑白：始终以黑白显示视频。
     - 自动：在正常的白天时间以彩色模式显示，并在夜晚低对比度场景中切换为黑白模式。
       - 如<**曝光**>菜单中的自动增益模式设置为 <**关**> 或 <**手动**>，则无法选择自动日/夜模式设置。
   - 等待时间：这是为了能够在白天模式和夜晚模式之间切换，每个适用照明条件要保持的时间。
   - 转换条件：指定触发顺序操作的照明时间间隔。
   - 锐利度 模式：调整图像的总清晰度。
     如果选择了 <**开**>，您可以调整图像的清晰度。
   - 锐利度 级别：级别越高，图像轮廓变得越清晰和越清楚。
   - 色调 级别：调整图像的颜色等级。

聚焦设置



1. 选择 <**焦点**>。
2. 选择各项并进行正确设置。
   - 模式
     - 手动：将根据变焦系数手动调整焦点。
     - 自动：将根据变焦系数自动调整焦点。
     - 一次自动聚焦：将在执行变焦操作之后执行自动聚焦一次。
   - 数字变焦：指定使用数字变焦。
     - 如使用数字变焦，则无法使用数字变焦。
   - 限制数字变焦：指定数字变焦的限制。
   - 缩放跟踪：使用平移/倾斜/缩放操作，指定对焦同步模式。
     - 关：仅变焦镜头将起作用。
     - 自动跟踪：它将控制（探测并校正）缩放操作以保持适合焦点。
     - 跟踪：缩放操作将由焦点跟踪指导。
   - 变焦速度：调整变焦跟踪速度。
   - 镜头初始化：重设镜头以防止在变焦模式中失去同步。
   - 转换条件：指定重设镜头的频率。
     - 您可以指定重设镜头的日期，重设将在自动聚焦模式中执行。 指定 1 到 7 天之间的时间，重设将从指定的日期开始，以 24 小时的间隔执行。

OSD 设置



1. 选择 <**OSD**>。
2. 选择各项并进行正确设置。
   - 摄像机名称：指定是否在屏幕上显示摄像机标题。
     - 最多可输入 15 个字符作为标题。
   - 摄像机名称 位置 X, Y：指定摄像机标题在屏幕上显示的坐标。
   - PTZ 显示位置：指定是否在屏幕上显示 PTZ OSD 菜单。
   - 预设名称：指定是否在屏幕上显示预设名称。

时间 OSD 设置

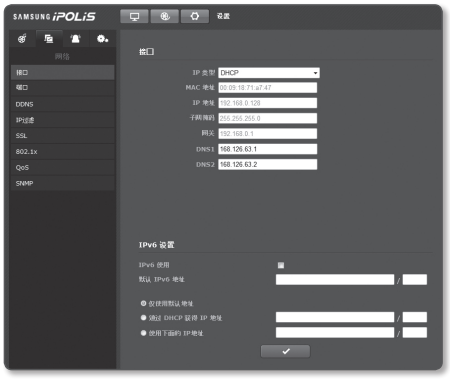


1. 选择 <**时间 OSD**>。
2. 选择各项并进行正确设置。
   - 时间 显示：指定在屏幕上使用时间显示。
   - 位置 X, Y：指定在屏幕上显示时间的位置。
   - 日期模式：指定将在视频屏幕上显示的日期格式。
   - 显示工作日：指定在屏幕上显示使用日期。

设置屏幕

网络设置

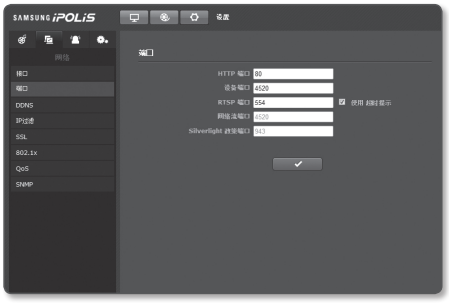
接口



1. 从设置菜单，选择 <**网络 (**)> 选项卡。
2. 单击 <**接口**>。
3. 根据需要设置 <**接口**> 和 <**IPv6 设置**>。
   - IP 类型：选择 IP 连接类型。
     - 手动：指定 IP 地址、子网掩码、网关、DNS1 和 DNS2。
     - DHCP：指定 DNS1 和 DNS2。
     - PPPoE：指定 DNS1、DNS2、ID 和密码。
       - 如果将其设置为 <**手动**>，则应手动指定 IP、子网掩码、网关和 DNS 1 和 2。
   - MAC 地址：显示 MAC 地址。
   - IP 地址：显示当前 IP 地址。
   - 子网掩码：显示所设 IP 的 <**子网掩码**>。
   - 网关：显示所设 IP 的 <**网关**>。
   - DNS1/DNS2：显示 DNS（域名服务）服务器地址。
4. 配置 <**IPv6 设置**>。
   - IPv6 使用：指定使用 IPv6。
   - 默认 IPv6 地址：获取访问 IPv6 网络的 IPv6 地址。
     - 仅使用默认地址：仅使用默认 IPv6 地址。
     - 通过 DHCP 获得 IP 地址：显示并使用从 DHCP 服务器获取的 IPv6 地址。
     - 使用下面的 IP 地址：手动输入 IP 地址并使用它。
5. 完成后，请单击 [**应用 (**)]。

- IP 寻址系统将默认为 DHCP。
  如果未找到 DHCP 服务器，将自动恢复之前的设置。
- 完成编辑之后，单击 [**应用 (**)] 以应用更改，并且浏览器将会退出。
  一小会之后，使用更改后的 IP 再次连接。

端口

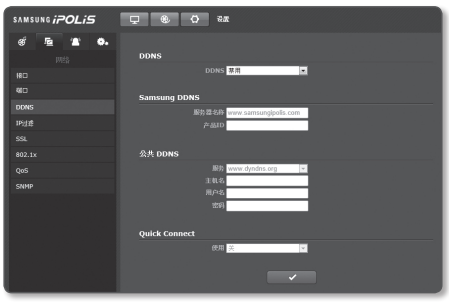


1. 从设置菜单，选择 <**网络 (** **)**> 选项卡。
2. 单击 <**端口**>。
3. 在端口菜单的每个项目中键入所需信息。
   - 0 至 1023 之间的端口范围和端口 3702 都不可用。
   - HTTP 端口：用于通过 Web 浏览器访问摄像机的 HTTP 端口。
     默认值是 80(TCP)。
     - 安全策略不允许将 Safari 和 Google Chrome 浏览器的 HTTP 端口设置为 65535。
   - 设备端口：设置用于根据 Samsung 协议传输视频信号的端口。
   - RTSP 端口：用于以 RTSP 模式传输视频，默认值为 554。
   - 网络流端口：用于将视频传输到 Web 查看器，默认值为 4520。
   - Silverlight 政策端口 ：Silverlight 用于允许获得网络连接；默认为 943。

   - 如果更改了 HTTP 端口，则浏览器会退出。
     此后，地址应该在 IP 后面包含新分配的 HTTP 端口。
     例) IP 地址：192.168.1.100，HTTP 端口：分配了 8080 → http://192.168.1.100:8080
     (如果将 HTTP 端口设置为 80，则不需要指定端口号)
   - 网络流的端口范围是介于 4502 和 4534 之间。如果设备端口在此有效范围内，则指定的网络流端口应该与设备端口相同。
   - 无法更改摄像机的 网络流/Silverlight 策略服务器端口。
4. 完成后，请单击 [**应用 (** **)**]。

DDNS

DDNS 是动态域名服务的缩写，该服务将摄像机的 IP 地址转换成一般主机名，以便用户可以轻松记住它。



1. 从设置菜单，选择 <**网络 (** **)**> 选项卡。
2. 单击 <**DDNS**>。
3. 选择 <**DDNS**> 连接类型。
4. 根据所选类型键入 DDNS 项目。
   - Samsung DDNS：如果使用 Samsung Techwin 提供的 DDNS 服务器，请选择此项。
     - 产品 ID：输入向 Samsung DDNS 服务注册的产品 ID。

设置屏幕

- 公共 DDNS：使用公共 DDNS 服务器时，可从所提供的公共 DDNS 服务器中选择一个。
  - 主机名：输入向 DDNS 服务器注册的主机的名称。
  - 用户名：输入 DDNS 服务的用户名。
  - 密码：输入 DDNS 服务的密码。
- Quick Connect：当与支持 UPnP（通用即插即用）的路由器配合使用时，它会自动设置端口转发。

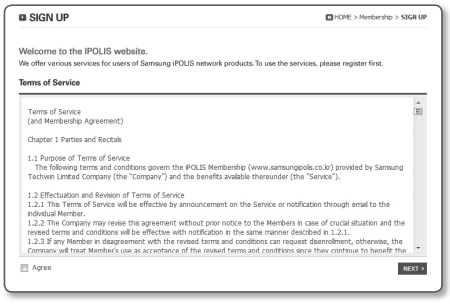
5. 完成后，请单击 [应用 (✓)]。

▪ 选择选择了 <**Quick Connect**>，请确保选择 Samsung DDNS 服务。

注册 DDNS

向 Samsung DDNS 注册您的产品

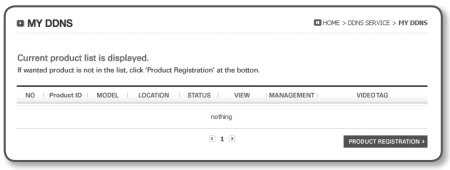
1. 访问 iPOLiS 网站 (www.samsungipolis.com) 并用已注册的帐户登录。



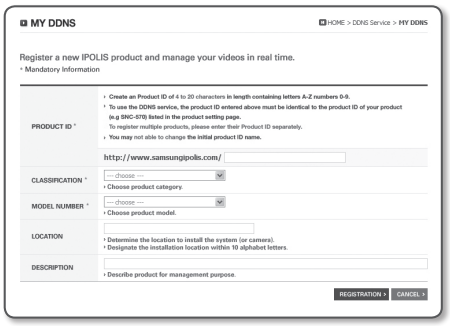
2. 从顶部的菜单栏，选择 <**DDNS SERVICE**> - <**MY DDNS**>。



3. 单击 [**PRODUCT REGISTRATION**]。
4. 输入产品 ID。
   ▪ 必须重复检查您输入的 ID。

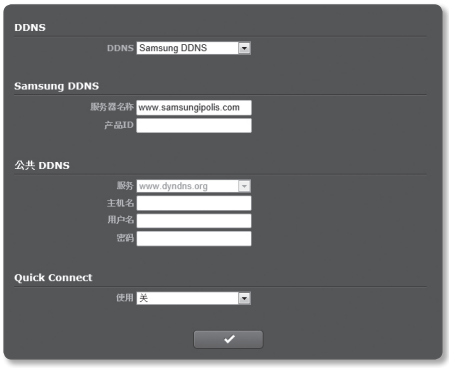


5. 选择 <**CLASSIFICATION**> 并指定 <**MODEL NUMBER**>。
6. 指定产品位置及说明（如有必要）。
7. 单击 [**REGISTRATION**]。
   产品将添加至产品列表，您可以对其进行检查。



在摄像机设置中连接至 Samsung DDNS

1. 从 DDNS 设置页面，将 <**DDNS**> 设置为 <**Samsung DDNS**>。
2. 提供向 DDNS 网站注册产品 ID 时指定的 <**产品ID**>。
3. 单击 [**应用 (** ✓ **)**]。
   成功进行连接后，屏幕上将显示消息 <**(成功)**>。



在摄像机设置中配置公共 DDNS

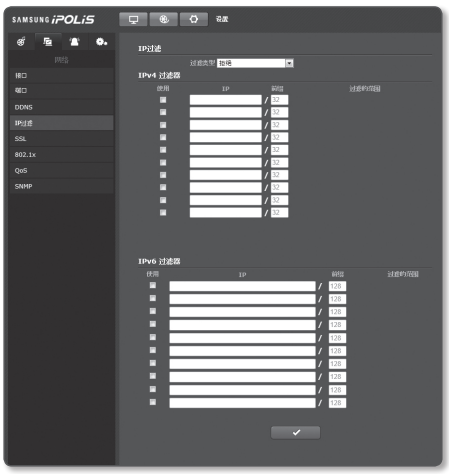
1. 打开 DDNS 设置页面并为 <**DDNS**> 选择 <**公共 DDNS**>。
2. 输入相应站点的主机名、用户名和密码。
3. 单击 [**应用 (** ✓ **)**] 按钮。
   如果正确建立连接，<**(成功)**> 将会出现。
4. 完成后，请单击 [**应用 (** ✓ **)**]。

▪ 要正确使用 DDNS 服务，需要 DDNS 设置和路由器的端口转发设置。
对于端口转发设置，请参阅 “**路由器端口设置**”。(第 39 页)

IP 过滤

可以创建想要授予或拒绝访问权限的 IP 列表。

1. 从设置菜单，选择 <**网络 (** **)**> 选项卡。
2. 单击 <**IP过滤**>。
3. 选择 <**过滤类型**>。
   - 拒绝：如果选择此项，将限制从添加至过滤列表的那些 IP 进行的访问。
   - 允许：如果选择此项，将只接受从添加至过滤列表的那些 IP 进行的访问。
4. 提供想要授予或拒绝访问权限的 IP。
   输入 IP 地址和前缀时，可用的 IP 地址列表将出现在右侧过滤范围列中。



设置屏幕

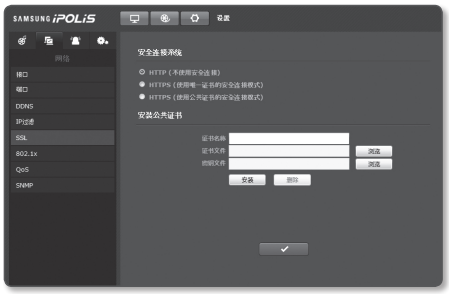
- 如果为 IP 过滤 选择了 <**允许**> 并且 <**接口**> 的 <**IPv6 设置**> 设为 <**使用**>，则应该分配当前计算机配置的 IPv4 和 IPv6 地址。
- 不能将用于当前设置的计算机的 IP 地址添加至 <**拒绝**>，应该将它添加至 <**允许**>。
- 只有设置为 <**使用**> 的 IP 地址才会显示在过滤器列中。

5. 完成后，请单击 [**应用 (** ✓ **)**]。

SSL

可以选择安全连接系统或安装公共证书用于此目的。

1. 从设置菜单，选择 <**网络 (** **)**> 选项卡。
2. 单击 <**SSL**>。
3. 选择安全连接系统。
   - 若要使用 HTTPS 模式访问摄像机，您必须以 https://<Camera_IP> 形式键入摄像机的 IP 地址。如果未在 Internet Explorer 中以 HTTPS 模式配置 Web Viewer 设置，请按如下所示编辑 Internet 选项：<菜单 → 工具 → Internet 选项 → 高级 → 安全 → 取消选择 TLS 1.0 并选择 TLS 1.1、TLS 1.2>



4. 搜索要安装在摄像机上的公共证书。
   要将证书安装在摄像机上，需要提供证书名称（可由用户随意分配）、认证机构颁发的证书文件以及密钥文件。
   - 仅当安装了公共证书，<**HTTPS (使用公共证书的安全连接模式)**> 项目才会活动。
5. 完成后，请单击 [**应用 (** ✓ **)**]。

安装证书

1. 输入证书名称。
2. 单击 [**浏览 (** 浏览 **)**] 按钮，选择要安装的公共证书文件和密钥文件，然后单击 [**安装 (** 安装 **)**] 按钮。

删除证书

1. 单击 [**删除 (** 删除 **)**] 按钮。
2. 要删除公共证书，应该在 < **HTTP (不使用安全连接**) > 或 < **HTTPS (使用唯一证书的安全连接模式**) > 模式下访问网络视频解码器。

802.1x

连接网络时，您可以选择是否使用 802.1x 协议，然后安装证书。

1. 从设置菜单，选择 <**网络 (** **)**> 选项卡。
2. 单击 <**802.1x**>。
3. 设置 <**IEEE 802.1x 设置 (使用 EAP-TLS 的 EAPOL)**>。
   - 启用 IEEE 802.1x：指定使用 802.1x 协议。
   - EAPOL 版本：选择版本 1 或 2。
   - ID：输入客户机证书 ID。
   - 密码：输入客户机专用密钥密码。如果密钥文件未加密，则不需要输入密码。



▪ 如果连接的网络设备不支持 802.1x 协议，那么即使您设置了该协议，它也不会正常执行。

4. 安装/移除证书。
   - CA 证书：选择包含公共密钥的公共证书。
   - 客户端证书：选择包含客户端证书密钥的公共证书。
   - 客户端私钥：选择包含客户端私钥的公共证书。
5. 完成后，请单击 [**应用 (** **)**]。

安装/删除与 802.1x 相关的证书

1. 按每个项目的 [**浏览 (** 浏览 **)**] 按钮并选择要安装的证书。
2. 如果未安装任何证书，则会看到“不可用”出现在所选项目旁边。
3. 按 [**安装 (** 安装 **)**] 按钮以开始安装，并在项目旁边显示消息“已安装”。
4. 按 [**删除 (** 删除 **)**] 按钮以删除证书。

设置屏幕

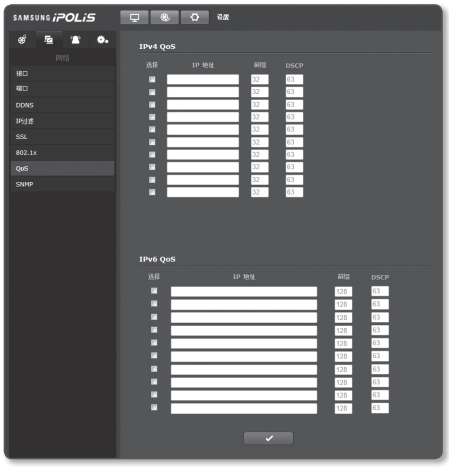
QoS

您可以指定优先级以确保特定 IP 的传输率稳定。

1. 从设置菜单，选择 <**网络 (** **)**> 选项卡。
2. 单击 <**QoS**>。
3. 输入将应用 QoS 的 IP 地址。

   ▪ 默认前缀对于 IPv4 是 32；
   对于 DSCP，默认值设置为 63。

4. 选择将应用 QoS 的 IP 地址。
   只能为选择的 IP 设置优先级。
5. 完成后，请单击 [**应用 (** **)**]。



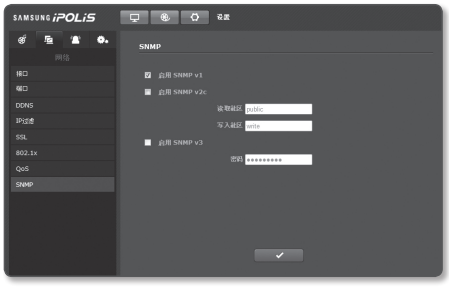
SNMP

通过 SNMP 协议，您可以允许系统或网络管理员监视远程站点上的网络设备，以及配置环境设置。

1. 从设置菜单，选择 <**网络 (** **)**> 选项卡。
2. 单击 <**SNMP**>。
3. 指定 <**SNMP**>。
   - 启用 SNMP v1：SNMP v1 将处于活动状态。
   - 启用 SNMP v2c：SNMP v2 将处于活动状态。
     - 读取社区： 提供读取社区的名称，可在其中访问 SNMP 信息。 默认名称为 <**public**>。
     - 写入社区： 提供写入社区的名称，可在其中访问 SNMP 信息。 默认名称为 <**write**>。
   - 启用 SNMP v3：SNMP v3 将处于活动状态。
     - 密码：指定 SNMP v3 的默认密码。默认密码是 <**admin4321**>。

     ▪ 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改该密码。
     请注意，未更改密码导致的安全和其他相关问题，用户自己承担责任。

     ▪ 密码长度应该为 8 – 16 个字符。
4. 完成后，请单击 [**应用 (** **)**]。



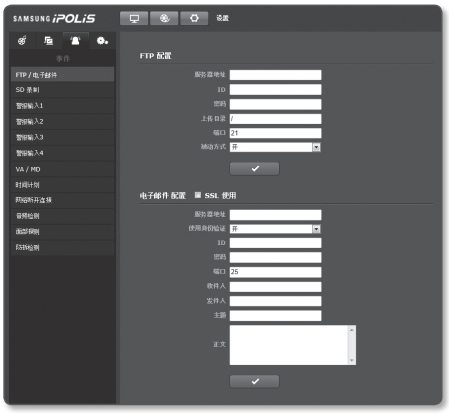
▪ 仅当安全连接模式是 HTTPS 时，才能设置 SNMP v3。
请参阅 “**SSL**”。（第 72 页）

事件设置

FTP / 电子邮件

可以配置 FTP/电子邮件服务器设置，以便在事件发生时可以将使用摄像机拍摄的图像传输到您的计算机。

1. 从设置菜单，选择 <**事件 (** **)**> 选项卡。
2. 单击 <**FTP / 电子邮件**>。
3. 选择 <**FTP 配置**> 或 <**电子邮件配置**> 并输入/选择所需的值。



- FTP 配置
  - 服务器地址：输入您将警报或事件图像传输到的 FTP 服务器的 IP 地址。
  - ID：输入用于登录 FTP 服务器的用户 ID。
  - 密码：输入用于登录 FTP 服务器的用户帐户密码。
  - 上传目录：指定警报或事件图像将传输到的 FTP 路径。
  - 端口：FTP 服务器的默认端口为 21；但是，可以根据 FTP 服务器设置使用不同的端口号。
  - 被动方式：如果由于防火墙或 FTP 服务器设置需要以被动模式连接，请选择 <**开**>。
- 电子邮件 配置
  - SSL 使用：指定使用 SSL。
  - 服务器地址：输入进行电子邮件传输到的电子邮件服务器的 IP 地址。
  - 使用身份验证：选择是否使用身份验证。
  - ID：输入用于登录电子邮件服务器的用户 ID。
  - 密码：输入用于登录电子邮件服务器的用户帐户密码。
  - 端口：电子邮件服务器的默认端口为 25；但是，可以根据电子邮件服务器设置使用不同的端口号。
  - 收件人：输入电子邮件收件人的地址。
  - 发件人：输入电子邮件发件人的地址。如果发件人地址不正确，来自发件人的电子邮件可能会被电子邮件服务器分类为垃圾邮件，这样可能不发送。
  - 主题：输入电子邮件的主题。
  - 正文：为邮件提供文本。将警报或事件图像附加至准备的电子邮件。

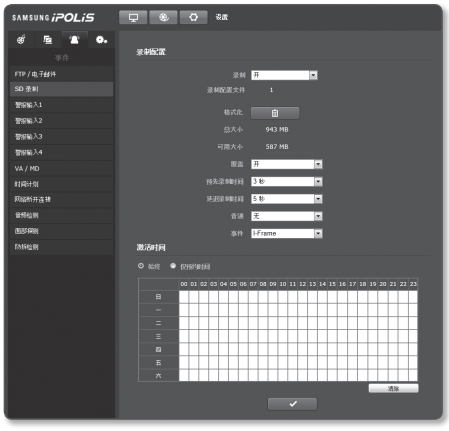
4. 完成后，请单击 [**应用 (** **)**]。

设置屏幕

SD 录制

可以为 SD 内存卡设置录制条件或录制的使用、检查存储的数据的大小或格式化 SD 内存卡本身。

1. 从设置菜单，选择 <**事件 (** **)**> 选项卡。
2. 单击 <**SD 录制**>。

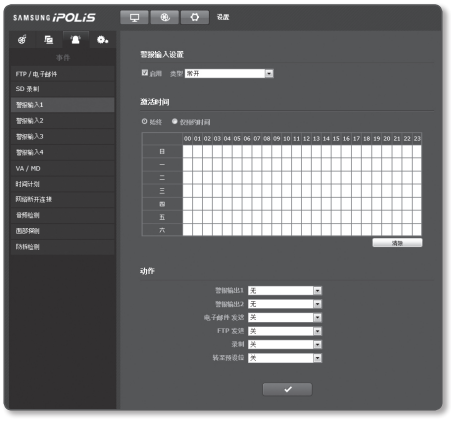


在 SD 内存卡上进行录制

1. 检查 <**总大小**> 和 <**可用大小**>。
2. 如果 SD 内存卡具有足够的可用空间，请将 <**录制**> 设置为 <**开**>。
   否则，检查存储的数据，如果发现它们不重要，请单击 <**格式化**> 以格式化 SD 内存卡。
   - 如果您的 SD 内存卡写入缓慢，则每秒将只存储一帧。
   - 对于大容量的 SD 内存卡，格式化将相应变慢。
   - 将分辨率、比特率和帧率设置为较高的选项可增加产生的数据量。
     随着数据变大，即使将录制质量设置为全帧，传输的视频也只能以 1fps 的速度存储。
   - 由于 SD 内存卡的一些空间保留供系统使用，所有只有占总容量约 90% 的空间可用。
3. 指定录制条件。
   - 录制配置文件：显示要录制的配置文件数。
   - 覆盖：如果 SD 存储卡已满，则删除旧数据并存储新数据代替。
   - 预先录制时间：设置警报前的图像传输时间。
     最多可以指定警报发出之前 5 秒。
   - 延迟录制时间：设置警报后的图像传输时间。
     最多可以指定警报发出之后 120 秒。
   - 普通：这里可将选项设置为无论发生什么事件，始终录制内容。
     - I-Frame：每秒录制一个图像。
     - 全双工：按录制配置文件中设置的帧率录制。
   - 事件：设置发生的特定事件的录制类型。
     - <**事件**> 录制未存为 <**普通**>。
     - 当 <**普通**> 和 <**事件**> 录制分辨率为 800x600 或更低时，可设置 <**全双工**>。
4. 指定 <**激活时间**>。
   - 始终：始终录制到 SD 内存卡。
     - 如果设置为始终，则激活时间无法更改。
   - 仅预约时间：仅在指定工作日的指定时间内录制。
   - [清除]：指定时间已释放。
5. 完成后，请单击 [**应用 (** **)**]。

警报输入1 ~ 4

可以设置警报输入类型、激活时间和工作模式。



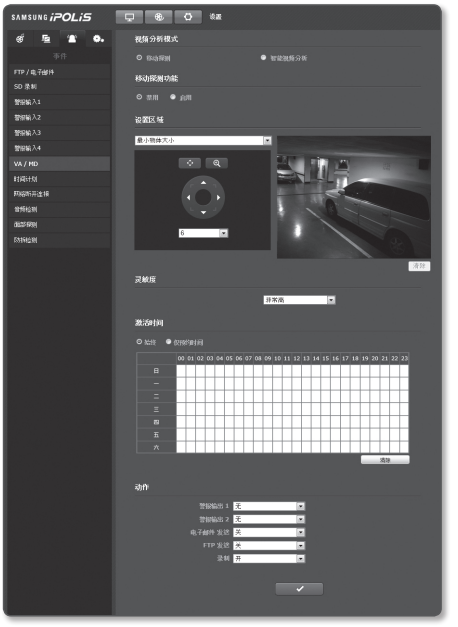
1. 从设置菜单，选择 <**事件 (**)> 选项卡。
2. 单击 <**警报输入**>。
3. 指定警报输入设置 。
   - 类型
     - 常开：它通常是打开的，但是如果关闭，将触发警报。
     - 常闭：它通常是关闭的，但是如果打开，将触发警报。
4. 指定 <**激活时间**>。
   - 始终：当警报发出时，请始终检查。当警报发出时，它将在运行的模式下激活。
     - 如设置为 <**始终**>，则无法更改激活时间。
   - 仅预约时间：警报发出时，在一周指定的一天检查指定的时间长度。当警报发出时，它将在运行的模式下激活。
   - [清除]：所有设置已释放。
5. 指定警报发出时将执行的操作。
   - 警报输出1/警报输出2：选择如果警报进入是否设置警报输出，并指定警报输出时间。
   - 电子邮件 发送：在警报输入设置中指定电子邮件传输的使用。
     - 有关更多详情，请参阅 “**FTP/电子邮件**”。(第 75 页)
   - FTP 发送：在警报输入设置中指定使用 FTP 传输。
     - 有关更多详情，请参阅 “**FTP/电子邮件**”。(第 75 页)
   - 录制：这里可将选项设置为输入警报时，将内容录制在 SD 内存卡中。
     - 将 <**SD 录制**> 中的 <**录制**> 设置为 <**开**>。(第 76 页)
   - 转至预设位：在设置警报输入时，移动至指定的预设位置。
6. 完成后，请单击 [**应用 (**)]。

设置屏幕

VA / MD

这里可设置为探测到移动或智能视频分析事件时，产生事件信号。

1. 从设置菜单，选择 <**事件 (** **)**> 选项卡。
2. 单击 <**VA / MD**>。



> ▪ 如使用 VA/MD，则无法使用数字稳定。

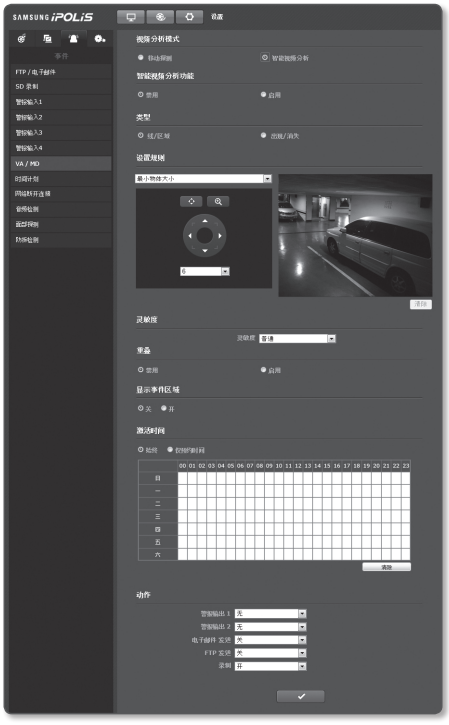
▪ 使用移动探测 (MD)

1. 选择移动探测模式。
2. 将 <**移动探测功能**> 设置为 <**启用**>。
3. 设置要探测的移动区域。
   - 最小物体大小：要设置被探测移动的最小大小，请选择 <**最小物体大小**>，然后使用鼠标指向屏幕上的位置并拖动至所需大小。
   - 最大物体大小：要设置被探测移动的最大大小，请选择 <**最大物体大小**>，然后使用鼠标指向屏幕上的位置并拖动至所需大小。
   - 基于已定义区域的规则：探测用户设置区域中对象的移动变化。

> ▪ 无法探测小于指定最小大小或大于最大大小的移动。为了避免大小杂讯导致的意外探测，请根据环境相应地设置最小/最大大小。
> 请注意，相同位置处的相同移动在其检测大小方面可能会检测到不同；建议您在设置最小/最大探测大小时，考虑并包括允差。

4. 设置灵敏度，在监视屏幕上区分背景和移动。
5. 指定激活时间和激活条件。
   - 有关 <**激活时间**> 和 <**动作**>的详细信息，请参阅 “**警报输入**”。(第 77 页)
6. 完成后，请单击 [**应用 (** **)**]。

▪ 使用智能视频分析 (VA)



1. 选择智能视频分析模式。
2. 将 <**智能视频分析功能**> 设置为 <**启用**>。
3. 选择类型。
   - 线/区域：这里可在物体经过用户设置的线或区域时，探测到变化。
   - 出现/消失：这里可探测到出现或消失在用户设置的区域中的物体。
4. 设置视频分析规则。
   有关设置的更多详情，请参阅 **“设置智能视频分析 (VA)”**。(第 80~82 页)
5. 选择移动物体的探测灵敏度。
   - 在可以清楚区分物体与背景的环境中，设置为较低灵敏度。否则设置为较高灵敏度，例如在黑暗的位置。
6. 设置是否使用重叠。
   - 如果将其设置为 <**启用**>，屏幕上将显示事件规则。
7. 选择在探测到移动时是否标记相应的区域。
   这里可在屏幕的框中显示探测到的移动的位置和大小。
8. 指定激活时间和激活条件。
   - 有关 <**激活时间**> 和 <**动作**>的详细信息，请参阅 **“警报输入”**。(第 77 页)
9. 完成后，请单击 [**应用 (** ✓ **)**]。

- 不能同时使用移动探测和视频智能分析。
- 在使用之前，设置最小和最大移动大小以适合要探测的所需迁移动范围。
- 物体的探测到大小与实际大小可能会有差异，视其形状而定。
- 从屏幕顶部开始，最多可以显示 16 个物体。
- 如果摄像机拍摄到较近的对象，视频分析功能可能会变弱。
- 在以下情况下，移动探测和智能视频分析功能可能会下降或导致不正确的探测结果。
  - 拍摄对象的颜色或亮度与背景类似。
  - 摄像机视野边界区域周围的小活动。
  - 由于场景变化、照明快速变化或其他原因，多次移动随机连续发生。
  - 固定的对象在一个位置连续不断地移动。

设置屏幕

- 位置变化不大的移动，例如逐渐靠近摄像机或从摄像机中慢慢消失。
- 移动的对象离摄像机太近
- 对象隐藏在其他对象后面。
- 2 个或更多对象重叠，或者 1 个对象被分成多个对象。
- 对象速度太快（若要探测，一个对象应该在邻近的帧之间重叠）。
- 由于太阳直射、照明或头灯等强光而出现反射 / 视线模糊 / 阴影。
- 在大雪、大雨、大风或黎明 / 黄昏环境中。

▪ 设置智能视频分析 (VA)

线/区域

• 最小物体大小



1. 将 <**智能视频分析功能**> 设置为 <**启用**>。
2. 将类型设置为 <**线/区域**>。
3. 将事件规则设置为 <**最小物体大小**>。
4. 拖放到所需视频点。
   会将最小物体大小应用于蓝色区域（拖放的区域）。
   - 小于指定最小值的物体将无法探测。
5. 完成后，请单击 [**应用 (** ✓ **)**]。

• 最大物体大小



1. 将 <**智能视频分析功能**> 设置为 <**启用**>。
2. 将类型设置为 <**线/区域**>。
3. 将事件规则设置为 <**最大物体大小**>。
4. 拖放到所需视频点。
   会将最大物体大小应用于红色区域（拖放的区域）。
   - 大于指定最大值的物体将无法探测。
5. 完成后，请单击 [**应用 (** ✓ **)**]。

• 基于虚拟线的规则



1. 将 <**智能视频分析功能**> 设置为 <**启用**>。
2. 将类型设置为 <**线/区域**>。
   - 仅当将智能视频分析类型设置为 <**线/区域**> 时，才能指定基于虚拟线的规则。
3. 将事件规则设置为 <**基于虚拟线的规则**>。
4. 在屏幕上单击线的开始点和结束点以显示弹出对话框。
5. 选择所需的 <**基于虚拟线的规则**>。
   - 右：将探测虚拟线中从左至右的移动。
   - 左：将探测虚拟线中从右至左的移动。
   - 两端：将探测虚拟线中任何方向的移动。
6. 单击 [**确认**]。
   要取消指定的线，请将鼠标悬浮在该线上，然后右键单击以显示上下文菜单。
   选择 [**删除**] 或 [**清除(** 清除 **)**]。
7. 完成后，请单击 [**应用 (** ✓ **)**]。

• 基于已定义区域的规则



1. 将 <**智能视频分析功能**> 设置为 <**启用**>。
2. 类型设置为 <**线/区域**>。
3. 将事件规则设置为 <基于已定义区域的规则>
4. 在视频中单击所需区域的拐角点以显示弹出窗口。
5. 选择所需的 <基于已定义区域的规则>。
   - 进入：此事件规则探测物体的中心从外部通过区域的边界进入已定义区域的事件。
   - 出去：此事件规则探测物体的中心从已定义区域内部通过区域的边界离开已定义区域的事件。
6. 单击 [**确认**]。
   要取消指定的区域，请将鼠标悬浮在该区域上，然后右键单击以显示上下文菜单。
   选择 [**删除**] 或 [**清除(** 清除 **)**]。
7. 完成后，请单击 [**应用 (** ✓ **)**]。

设置屏幕

出现/消失

• 最小物体大小

1. 将 <**智能视频分析功能**> 设置为 <**启用**>。
2. 将类型设置为 <**出现/消失**>。
3. 将事件规则设置为 <**最小物体大小**>。
4. 拖放到所需视频点。
   会将最小物体大小应用于蓝色区域（拖放的区域）。
   - 小于指定最小值的物体将无法探测。
5. 完成后，请单击 [**应用 (** ✓ **)**]。



• 最大物体大小

1. 将 <**智能视频分析功能**> 设置为 <**启用**>。
2. 将类型设置为 <**出现/消失**>。
3. 将事件规则设置为 <**最大物体大小**>。
4. 拖放到所需视频点。
   会将最大物体大小应用于红色区域（拖放的区域）。
   - 大于指定最大值的物体将无法探测。
5. 完成后，请单击 [**应用 (** ✓ **)**]。



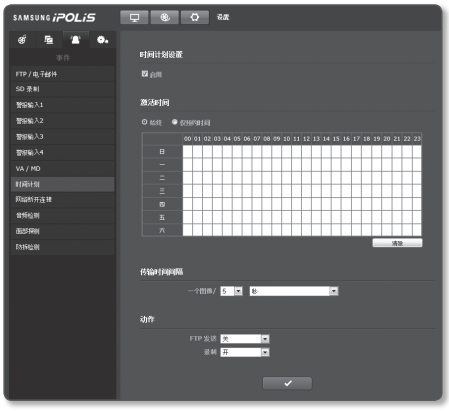
• 基于已定义区域的规则

1. 将 <**智能视频分析功能**> 设置为 <**启用**>。
2. 类型设置为 <**出现/消失**>。
3. 将事件规则设置为 <**基于已定义区域的规则**>
4. 拖放到所需视频点。
   通过拖放方法选择的区域会根据指定设置。
5. 要取消选择，只需单击 [**清除(** 清除 **)**]。
6. 完成后，请单击 [**应用 (** ✓ **)**]。



时间计划

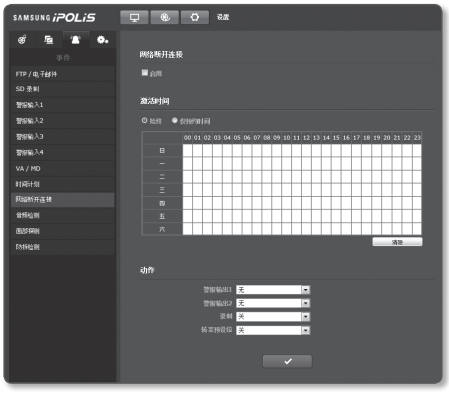
可以设置为根据计划以特定间隔保存视频数据，而不考虑事件的实际出现情况。



1. 从设置菜单，选择 <**事件 (** **)**> 选项卡。
2. 单击 <**时间计划**>。
3. 将 <**定时器事件设置**> 设置为 <**启用**>。
4. 指定 <**激活时间**>。
   - 始终：始终执行设置操作。
   - 仅预约时间：仅在指定工作日的指定时间定期执行设置操作。
5. 指定 <**传输时间间隔**>。
6. 指定激活条件。
   - FTP 发送：这里可设置输入警报时使用 FTP 的传输选项。
     - 有关更多详情，请参阅“**FTP/电子邮件**”。(第 75 页)
   - 录制：这里可设置输入警报时将内容录制在 SD 内存卡中的选项。
     - 将 <**SD 录制**> 中的 <**录制**> 设置为 <**开**>。(第 76 页)
7. 完成后，请单击 [**应用 (** **)**]。

网络断开连接

这里可设置物理网络连接切断时产生事件信号。



1. 从设置菜单，选择 <**事件 (** **)**> 选项卡。
2. 单击 <**网络断开连接**>。
3. 指定使用“网络断开连接”。
4. 指定激活时间和激活条件。
   - 有关 <**激活时间**> 和 <**动作**> 的详细信息，请参阅“**警报输入**”。(第 77 页)
5. 完成后，请单击 [**应用 (** **)**]。

设置屏幕

音频检测

可以设置为探测超过指定音量的声音并相应地触发事件。

1. 从设置菜单，选择 <**事件 (**)> 选项卡。
2. 单击 <**音频检测**>。
3. 设置是否 <**启用**>。
4. 选择音频探测的音量。
   音量越低，可探测到的声音变化越小。



- 音频探测级别设计为将输入数据恢复为 0 和 100 之间的正常值，并探测超出阈值级别的信号。
  它与分贝 (dB) 级别无关。

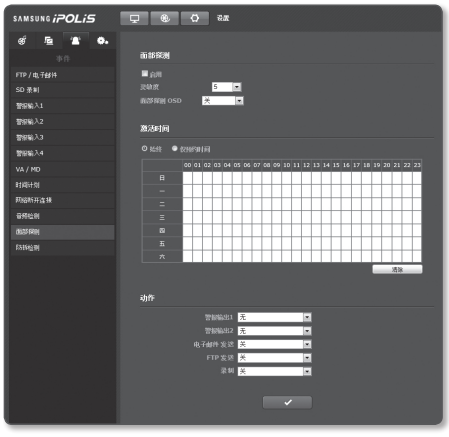
5. 指定激活时间和激活条件。
   - 有关 <**激活时间**> 和 <**动作**>的详细信息，请参阅“**警报输入**”。（第 77 页）
6. 完成后，请单击 [**应用 (**)]。

- 如果探测到的音量太低，请在 <**音频设置**> 中将音频输入增益设置为较高级别。

面部探测

可以设置为探测已识别的面部并相应地触发事件。

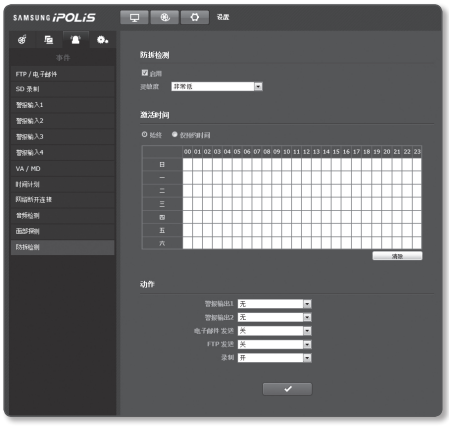
1. 从设置菜单，选择 <**事件 (**)> 选项卡。
2. 单击 <**面部探测**>。
3. 设置是否 <**启用**>。
4. 设置灵敏度级别。
   - 当灵敏度提高时，面部探测变得更靠近并且细腻。
5. 设置面部探测 OSD 的使用选项。
   如它设置为 <**启用**>，探测到的面部数量将显示在监视屏幕顶部。
   例如）FD：XX（数字）
6. 指定激活时间和激活条件。
   - 有关 <**激活时间**> 和 <**动作**>的详细信息，请参阅“**警报输入**”。（第 77 页）
7. 完成后，请单击 [**应用 (**)]。



防拆检测

您可以设置为检测拆离尝试并触发事件，例如摄像机取景框方向突然发生变化、镜头被蒙住以及视频的其他整个场景变化。

1. 从设置菜单，选择 <**事件 (** **)**> 选项卡。
2. 单击 <**防拆检测**>。
3. 设置是否 <**启用**>。





- 如使用防拆检测，则无法使用数字稳定。

4. 设置防拆检测灵敏度。
   灵敏度越高，越能检测最小的拆离尝试。
5. 指定激活时间和激活条件。
   - 有关 <**激活时间**> 和 <**动作**> 的详细信息，请参阅 “**警报输入**”。（第 77 页）
6. 完成后，请单击 [**应用 (** **)**]。



- 在下列情况下，默认防拆检测功能可能无法正常工作：
  - 在简单背景或低照度以及今晚情况下，可能会降低检测灵敏度。
  - 摄像机摇晃严重或照明激烈变化会导致错误地视为拆离。
  - 防拆检测可能会在拆离发生之后的一定时间（最多 5 秒）进行。
  - 一旦检测到拆离，摄像机将继续在特定稳定性时间（大约 5 秒）之后继续标准操作，在此稳定性期间不会执行任何检测。

设置屏幕

系统设置

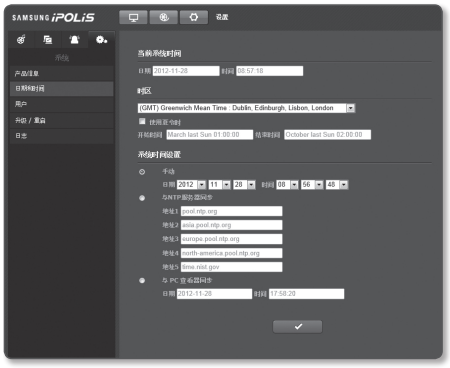
产品信息



1. 从设置菜单，选择 <**系统 (** **)**> 选项卡。
2. 单击 <**产品信息**>。
3. 检查摄像机信息，或根据网络环境提供详细信息。
   - 型号：产品的型号名称。
   - 序列号：产品序列号。
   - 设备名称：提供将在现场屏幕上显示的设备名称。
   - 位置：指定安装摄像机的位置。
   - 描述：提供有关摄像机位置的详细信息。
   - 备忘录：提供有关摄像机的说明以便更好理解。
   - 语言：选择 Web 查看器 OSD 的首选语言。

   ▪ 默认语言设置为 <**English**>。
4. 完成后，请单击 [**应用 (** **)**]。

日期和时间



1. 从设置菜单，选择 <**系统 (** **)**> 选项卡。
2. 单击 <**日期和时间**>。
3. 指定将应用于摄像机的时间和日期。
   - 当前系统时间：显示系统的当前时间设置。
   - 时区：指定本地基于 GMT 的时区。
   - 使用夏令时：如果选中、将在指定的时间段内将时间设置成比当地时区早一小时。仅在应用夏令时的地区显示此选项。
   - 系统时间设置：指定将应用于您的系统的时间和日期。
     - 手动：手动指定时间。
     - 与 NTP 服务器：与指定的服务器地址的时间同步。
     - 与 PC 查看器同步：与连接的计算机的时间同步。
4. 完成后，请单击 [应用 ( )]。

▪ 如果您选择 <**与 PC 查看器同步**>，则应该将标准时区设置为与计算机中的当前时区相同。

用户



1. 从设置菜单，选择 <**系统 (** ⚙ **)**> 选项卡。
2. 单击 <**用户**>。
3. 提供必要的用户信息。
   - 管理员密码更改：更改管理员的密码。

     ▪ 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改密码。
     请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。

     ▪ 如存在来自 PC 的多个活动连接时更改密码，浏览器可能发生故障。此时，请重新连接服务器。
   - 访客设置：如果允许 <**访客访问**>，持有能访问 Web 查看器的来宾帐户的用户只能查看 Live viewer 屏幕。
     ▪ Guest 帐户的 ID/密码是 <**guest/guest**>，它无法更改。
   - 启用不需要认证的 RTSP 连接：如选择 <**启用**>，您无需登录即可访问 RTSP 并查看视频。
   - 当前用户：可以为设置为 <**启用**> 的用户更改用户信息和调整权限级别。
     - 视频：可以在 Liver Viewer 屏幕中选择视频配置文件。
     - 音频输入：在 Live Viewer 屏幕中，将激活音频输入选项。
     - 控制 ：您可控制 PTZ 控制、MIC 和警报按钮。
4. 完成后，请单击 [**应用 (** ✓ **)**]。

升级 / 重启

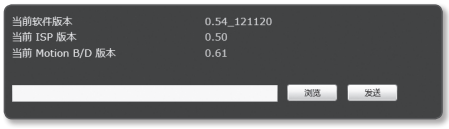


1. 从设置菜单，选择 <**系统 (** ⚙ **)**> 选项卡。
2. 单击 <**升级 / 重启**>。
3. 选择所需的项目并进行适当设置。
   - 升级：执行系统升级。
   - 出厂默认设置：将系统重置为出厂默认值。
     - 网络参数之外：重置网络设置以外的其他设置。
     - 全部：重置包括摄像机设置在内的所有设置。(但是，将不重置日志信息）
     ▪ 如果重置摄像机，IP 寻址系统将默认为 DHCP。如果未找到 DHCP 服务器，将自动恢复之前的设置。
   - 配置备份与恢复：在执行恢复流程之前，备份当前的系统设置。备份或恢复之后，系统会自动重新启动。
   - 重新启动：重新启动系统。

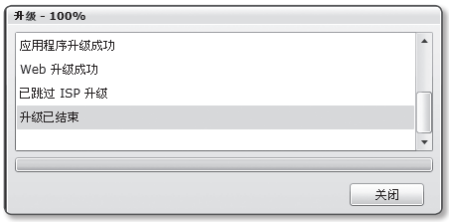
设置屏幕

执行升级

1. 单击 [**升级**]。
2. 单击 [**浏览**] 并指定要升级的文件。
3. 单击 [**发送**]。



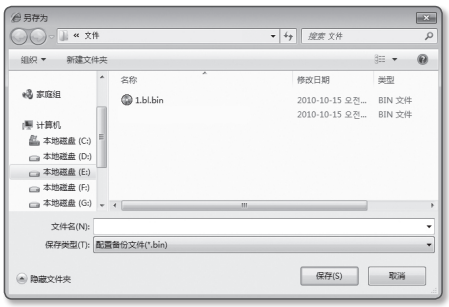
4. “**升级**”对话框出现，其底部将显示进度。
5. 完成升级之后，浏览器将会退出，并且摄像机会重新启动。



- 升级过程大约需要 20 分钟。
  如果强行终止升级流程，升级将无法正确完成。
- 在重新启动系统期间，不能使用 Web Viewer 进行访问。
- 可以从 Samsung 网站 (www.samsungcctv.com) 下载最新版本。

备份当前设置

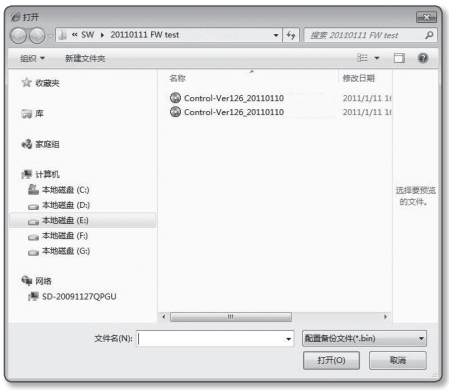
1. 单击 [**备份**]。
   另存为对话框将出现。
2. 指定备份路径及正确的文件名，然后单击 [**保存(S)**]。
   备份文件将以“**.bin**”格式保存到指定的路径。



恢复备份设置

1. 要恢复备份设置，请单击 [**恢复**]。
2. 选择备份文件，然后单击 [**打开(O)**]。

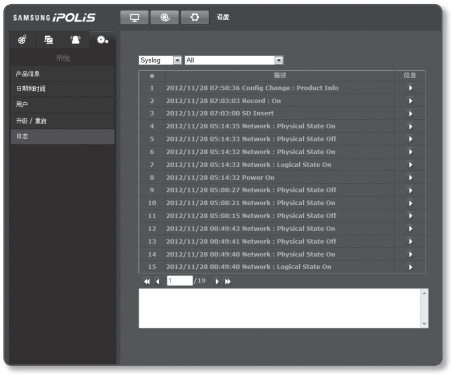
- 如果执行备份或恢复，Web 浏览器将关闭，且摄像机将重新启动。



日志

可以检查系统日志或事件日志。

1. 从设置菜单，选择 <**系统 (** **)**> 选项卡。
2. 单击 <**日志**>。
3. 选择日志类型。
   - Syslog：您可以检查系统日志，其中记录了所有系统更改，包括时间信息。
   - Evtlog：可以检查事件日志，包括时间信息。
4. 从右边的日志列表，选择要搜索的项目。
   - 如果在左上角的下拉列表中选择了 <**All**>，将显示适用日志类型的所有日志。
5. 如果一页无法显示所有可用的日志，请使用底部按钮以移至前一个、下一个或最后项目。



- 如果要查看日志的详细信息，请单击日志右列中的 [**信息 (** **)**]；日志信息将显示在底部窗格中。
- 每页显示 15 个日志，最新的日志显示在顶部。
- 事件/系统日志列表最多可包含 1000 个日志；之后，每当创建新日志时，将删除最旧的现有日志。

附录

规格

项目		说明	
		SNP-5300N/P	SNP-5300HN/HP
视频	成像设备	1/4 型 Exmor CMOS (SONY IMZ076LQZ-C)	
	总像素数	1392（水平）x 1076（垂直）	
	有效像素数	1368（水平）x 1049（垂直）	
	扫描系统	渐进扫描	
	最低照度	彩色：0.5 勒克司、0.2 勒克司（30IRE）/ F1.35、 黑白：0.03 勒克司、0.009 勒克司（30IRE）/ F1.35	
镜头	焦距(变焦比率)	3.5 ~ 105 毫米（30X）	
	最大孔径比	F1.35（广角）/ F3.7（望远）	
	视野角度	水平: 54.85°（广角）~ 2.00°（望远）、垂直: 44.61°（广角）~ 1.6°（望远）	
	最短物距	室内 : 1.8米 (5.90ft)	室外 : 1.7米 (5.57ft)
	聚焦控制	自动对焦/一次性自动对焦/手动	
	镜头类型	直流自动光圈	
	安装类型	内置板类型	
平移/倾斜/旋转	平移范围	360°循环	
	平移速度	预设：500°/秒，手动：0.024°/秒 ~120°/秒	
	倾斜范围	210°（-15° ~ 195°）	
	倾斜速度	预设：500°/秒，手动：0.024°/秒 ~120°/秒	
	旋转范围	-	
	预设	255 个	
	预设准确度	±0.2°	
	自动跟踪	N/A	

项目		说明	
		SNP-5300N/P	SNP-5300HN/HP
操作	摄像机标题	关/开（最多显示 15 个字符）	
	日夜	自动/彩色/黑白	
	背光补偿	关/背光补偿/宽动态/强光抑制	
	宽动态	90dB	
	对比度增强	SSDR（Samsung 超级动态范围）（关/开）	
	数字降噪	SSNRIII（2D+3D 噪音过滤）（关/开）	
	数字图像稳定器	关/开	
	移动探测	是（4 个）	
	隐私遮挡	关/开（12 个矩形可编程区域）	
	感光度(帧合成)	关/自动（2X ~ 60X）	
	增益控制	关/低/中/高/手动	
	白平衡	AWC、手动、室内、室外、ATW (2,400°K ~ 11,000°K)	
	电子快门速度	ESC/FLK/手动（1/30 ~ 1/33,000）	
	数字变焦	12X	
	翻转/镜像	关/开	
	智能视频分析	防拆、虚拟线、进入/退出、出现/消失、音频探测、面部探测 (5ea)	
	时间表	-	
	警报 I/O	4 个输入/2 个输出	
	警报触发	警报输入、移动探测、智能视频分析、网络断开连接	
	报警事件	• 通过 FTP 上传文件，电子邮件 • 通过电子邮件和 TCP 通知 • 在网络断开连接的情况下进行本地存储器 (SD/SDHC) 录制 • 外部输出 • PTZ 预设位	

附录

项目		说明	
		SNP-5300N/P	SNP-5300HN/HP
网络	以太网	RJ-45（10/100BASE-T）	
	视频压缩格式	H.264 (MPEG-4 Part 10/AVC)，移动 JPEG	
	分辨率	SXGA (1280 x 1024)、1280 x 960, HD (16 : 9, 1280 x 720p)、 1024 x 768、SVGA (800 x 600)、VGA (640 x 480)、QVGA (320 x 240)	
	最大帧速率	30fps	
	视频质量调整	H.264：压缩级别、目标比特率级别控制 MJPEG：质量级别控制	
	比特率控制方法	H.264：CBR 或 VBR 移动 JPEG：VBR	
	流能力	多流（最多 10 个配置文件）	
	音频 I/O	可通过 UI 选择麦克风（线路）输入，线路输出（单声道，1Vrms）	
	音频压缩格式	G.711 μ-law、G.726	
	音频通信	双向	
	IP	IPv4、 IPv6	
	协议	TCP/IP、UDP/IP、RTP(UDP)、RTP(TCP)、RTSP、NTP、HTTP、 HTTPS、SSL、DHCP、PPPoE、FTP、SMTP、ICMP、IGMP、 SNMPv1/v2c/v3(MIB-2)、ARP、DNS、DDNS、QoS、PIM-SM、UPnP	
	安全	HTTPS（SSL）登录验证 分类登录验证 IP 地址过滤 用户访问日志 802.1X 身份验证方法	
	流方法	单播/多播	
	最大用户访问量	单播模式下 10 个用户	
	内存插槽	SD/SDHC 内存插槽	

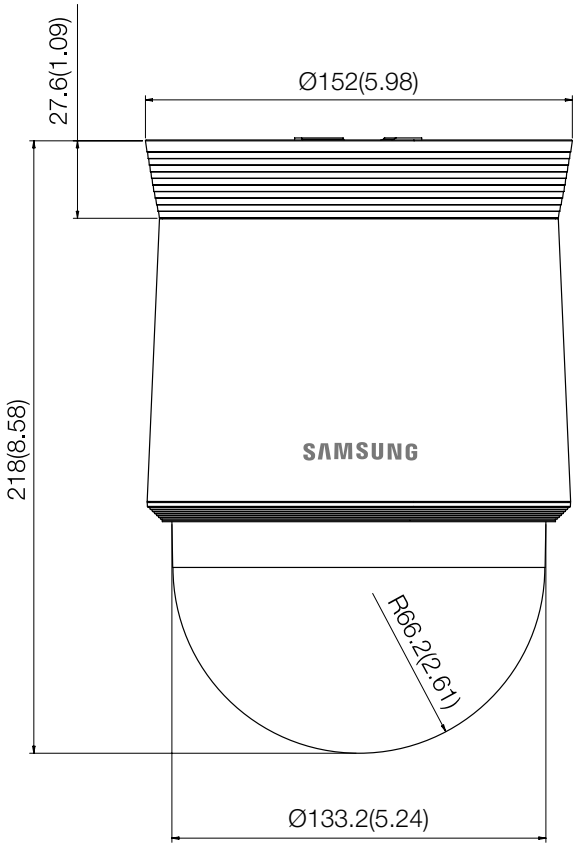
项目		说明	
		SNP-5300N/P	SNP-5300HN/HP
网络	ONVIF 一致	是	
	网页语言	英语、法语、德语、西班牙语、意大利语、中文、韩文、俄语、 日语、瑞典语、丹麦语、葡萄牙语、捷克语、波兰语、土耳其语、 罗马尼亚语、塞尔维亚语、荷兰语、克罗地亚语、匈牙利语、希腊语	
	Web 查看器	支持的操作系统 : Microsoft Windows 7/VISTA/XP SP3、Apple MAC OS X 支持的浏览器 : Firefox、Google Chrome、*Apple Safari、Windows Internet Explorer 9.0 (32位) / 8.0 (32 位) / 7.0 (32 位) * 对于 Mac OSX，只支持 Safari 浏览器。	
	中央管理软件	NET-i viewer	
环境	工作温度/湿度	-10°C ~ +55°C（+14°F ~ +131°F） / 相对湿度 20% ~ 80%	-50°C ~ +55°C（-58°F ~ +131°F） / 相对湿度 ~ 90%（交流 24V）， -30°C ~ +55°C（PoE+） * 低温条件意味着无风的平静情况。
	进入保护	-	IP66
	抵抗破坏	SHP-3700H : IK10 附带保护罩	-
电气	输入电压/电流	交流 24V，PoE+ (IEEE802.3at)	
	功耗	15W（交流 24V）、13W（PoE+）	15W（交流 24V/PoE+、加热器关）、 53W（交流 24V 加热器开）、 25W（PoE+ 加热器开）
机械	颜色/材料	象牙色/塑料	象牙色/铝 塑料遮阳装置
	尺寸(直径 x 高)	直径 152.0 x 高 218.0 毫米	直径 220.0 x 高 293.6 毫米
	重量	1.8 公斤	3.2 公斤

附录

产品视图

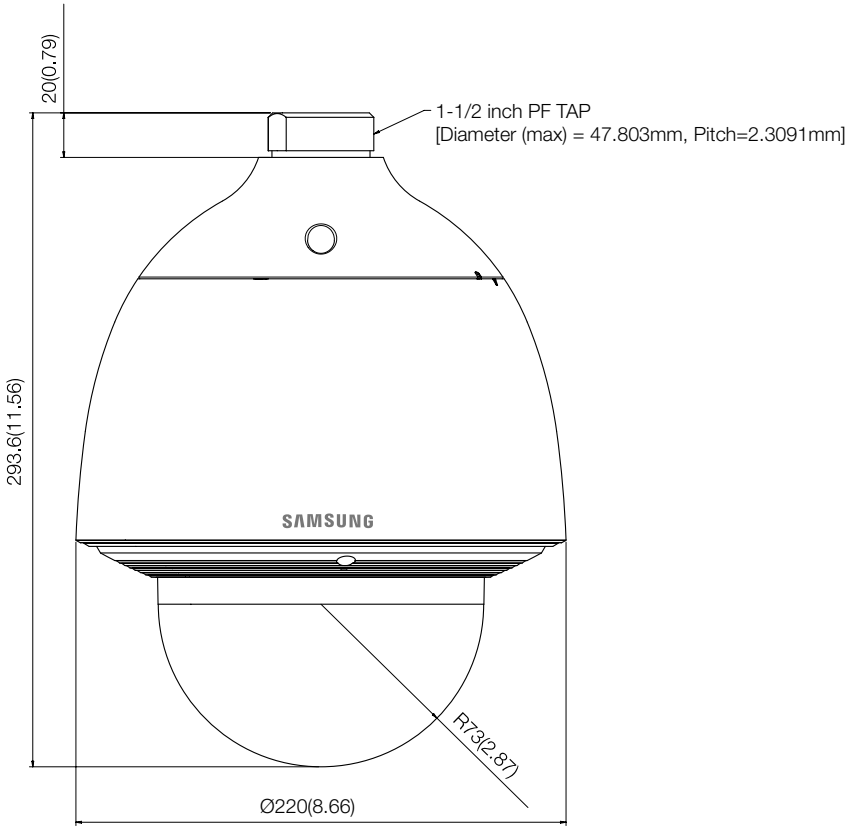
▪ SNP-5300

单位：毫米（英寸）



■ SNP-5300H

单位 ：毫米（英寸）



附录

故障排除

故障	解决方法
无法使用网络浏览器访问摄像头。	• 检查摄像头的网络设置 是否正确。 • 检查网络缆线是否正确 连接。 • 若使用 DHCP 连接、检查摄像头是否能够 无故障地获得动态 IP 地址。 • 若摄像头与宽带路由器连接、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头或网络配置发生更改时会断开。 • 检查所有的网络连接。 • 若摄像头通过 PPPoE 网络进行连接，查看器在网络状况不佳的情况下可能会断开。
无法使用 IE 7.0 的选项卡浏览器连接系统。	• 由于共享了 cookie 数据，所以与新窗口或选项卡连接时可能出错。不要使用新窗口或选项卡，选择“文件 → 新建会话”
IP 安装程序未检测到连接至网络的摄像头。	• 关闭 PC 上的防火墙设置、再次搜索摄像头。
图像重叠。	• 检查是否将多个摄像头应当设置的不同地址设为了同一多播地址。 多个摄像头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，请检查摄像头所连接的 LAN 中是否有路由器支持多播。

故障	解决方法
即使将 <智能视频分析功能> 设置为 <启用>，如果发生摄像机的智能视频分析事件，也不会通过电子邮件传输文件。	• 按以下顺序验证设置 ： A. 检查 <日期和时间> 设置。 B. <智能视频分析功能> 应设置为 <启用>。 C. 警报视频传输必须已启用。
即使 <智能视频分析功能> 已设置为 <禁用>，是否可以配置 <设置规则>?	• 是，可以。无论智能视频分析设置如何，您均可设置事件规则。
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 SD 内存卡。	• 检查内存卡是否有缺陷。 • 检查内存卡的写保护标签是否设置为“LOCK”。
插入了 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> → <SD 录制> 菜单中，再次格式化内存卡。
无法格式化 SD 内存卡。	• 检查内存卡的写保护标签是否设置为“LOCK”。

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- BSD1.0 : math-linux (http://sourceforge.net/projects/math-linux/)
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