SAMSUNG TECHWIN

网络摄像机

用户手册

SNO-7082R

CE

SAMSUNG

网络摄像机

用户手册

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- **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

注意

不要擅自拆装机器，
避免电击

注意：为避免触电危险，不得取下机器后盖。
机器内部没有用户可修理的部件。
修理工作只允许由具备资格的人员进行。

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）。

断开设备

如果设备出现故障，请拔下其电源插头。并请致电当地的维修人员。

当在美国以外使用时，可以利用所用的 HAR 代码和许可代理机构的接待处。

注意

如更换的电池类型不正确，可能发生爆炸。
按照说明妥当处理废旧电池。

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

产品的 BNC 输出端子是为了方便安装而提供的，建议不要将它用于监视。如果保持连接 BNC 电缆，则闪光的风险可能会导致损坏产品或使产品功能异常。

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。

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。

目录

概述 3

3 重要的安全说明
9 产品特色
10 推荐 PC 技术规格
11 建议的 SD/SDHC 存储卡规格
11 随机提供的物品
12 简图

安装与连接 15

15 安装
16 存储卡信息
16 与其他设备连接

网络连接和设置 20

20 将摄像头与局域网直接连接
21 将摄像机直接连接至基于 DHCP 的 xDSL/有线电视网调制解调器
22 直接将摄像机连接到 PPPoE 调制解调器
23 将摄像头与使用 PPPoE/Cable 调制解调器的宽带路由器连接
24 在 IP Installer 中使用的按钮
25 静态 IP 设置
29 动态 IP 设置
30 路由器端口设置
32 从共享的本地 PC 连接到摄像机
32 从远程 PC 通过互联网连接到摄像机

概述

WEB 查看器

33

33 连接到摄像机
34 登录
35 安装 Silverlight Runtime
39 安装 STW WebViewer 插件
40 使用现场屏幕
43 播放录制的视频

设置屏幕

48

48 设置
48 视频与音频设置
62 网络设置
71 事件设置
87 系统设置

附录

94

94 规格
98 产品视图
99 故障排除
101 Open Source Announcement

产品特色

- **防尘/防水 (IP66)**
  防尘和防水设计可让您在室外安装产品或产品受雨淋时，不必担心。
- **SSNR3 (Samsung Super Noise Reduction)**
  高性能 DSP 芯片可有效去除低亮度级的增益噪声，即使是光线较暗的场所也能呈现出清晰而精细的影像。
- **日夜 (ICR)**
  产品会自动检测一天的时间变化，以切换至适合当前场景的模式。
  在白天场景中，它会切换至彩色模式以保持最佳色调，而在晚上，它会切换至黑白模式以识别低照度场景。
- **红外模式**
  如果红外指示灯亮起，则产品切换至红外模式，以防止物体太亮，这可帮助您识别近距离的物体。
- **能见度：30m**
  在黑白模式中，如果红外指示灯亮起，则在 0 流明时有效能见度是 30m。
- **SSDR (Samsung Super Dynamic Range)**
  对于显示强烈对比差异的场景（例如背光场景），产品可以在保留亮区的同时，选择性地提高暗区的亮度，以平衡总体对比度。
- **其他**
  其他功能包括：HLC（强光抑制）、感光度、V-REV、H-REV、D-ZOOM、锐利度、移动探测、加密。
- **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。
- **内置 SD 存储卡**
  本产品配备 4GB 内置存储卡。
- **防拆检测**
  在视频监视上检测拆离尝试。

概述

- **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**
  在触发警报之前检测网络是否断开连接。
- **符合 ONVIF**
  本产品支持 ONVIF。
  有关详细信息，请参阅 www.onvif.org.

Driving network video through global standardization

推荐 PC 技术规格

- CPU：Intel Core 2 Duo 2.4GHz 或更高
  - Web 插件针对 SSE 4.1 指令集进行了优化。
- 操作系统：Windows XP/7 、VISTA、Mac OS
- 分辨率：1280X1024 像素或更高（32 位颜色）
- RAM：2GB 或更大
- 网络浏览器：Internet Explorer 7.0 或更高版本、Firefox 9.0 或更高版本、
  Chrome 15.0 或更高版本、*Safari 5.1 或更高版本
  - 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 OSX，只支持 Safari 浏览器。
- 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。

建议的 SD/SDHC 存储卡规格

- 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

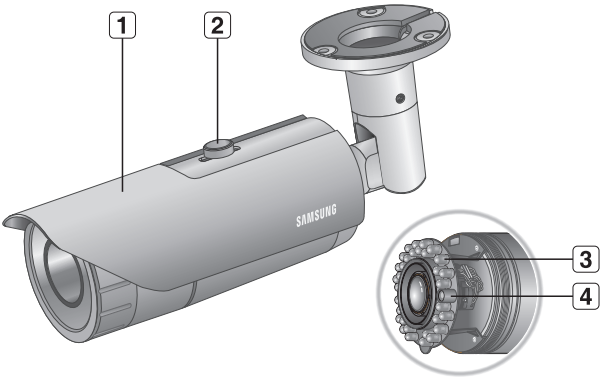
请检查产品包装内是否已包括摄像机和所有附件。

外观	项目名称	数量	说明
	摄像机	1	
	说明手册， Installer 软件 CD, CMS 软件 DVD	2	
	用户手册	1	
	自攻螺钉	3	用于墙壁或天花板上的安装
	L 型扳手	1	用于调节摄像机的方向
	防晒罩	1	它可让摄像机避免阳光直射。
	防晒罩固定螺钉	3	它将防晒罩与摄像机固定在一起。

概述

简图

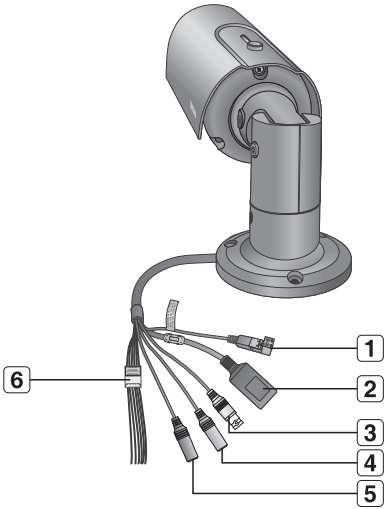
前面



项目	说明
1 防晒罩	它可让摄像机避免阳光直射。
2 防晒罩固定螺钉	它将防晒罩与摄像机固定在一起。
3 红外 LED	这些红外 LED 由照明传感器控制。
4 照明传感器	检测进入光线以控制红外 LED。

- 用擦镜布或蘸有乙醇的布块轻轻擦拭透镜去除表面脏污。

背面



项目	说明
1 电源端口	用于插入电源线。
2 网络端口	用于连接 PoE 或 LAN 电缆。
3 视频输出端口	连接至监视器，以便您可以检查来自摄像机的视频。（用于安装）
4 音频输入插孔	用于连接到麦克风。
5 音频输出插孔	用于连接到扬声器。

项目	说明	
6 I/O 端口	BROWN (ARM-IN)	用于连接报警输入传感器。
	SKY-BLUE (GND)	外部信号的接地端口。
	YELLOW (ARM-OUT)	用于连接报警输出信号。
	ORANGE (A-COM)	连接报警输出信号的通用端口。
	WHITE/GRAY (RESET)	将摄像机设置恢复为出厂默认值。 ■ 要重置为出厂默认值，剥去白色和灰色电线的外皮，然后将两条电线接触 10 秒左右。

安装与连接

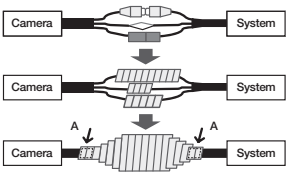
安装

- 此摄像机防水并且符合 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。

室外安装

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

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



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

安装与连接

存储卡信息

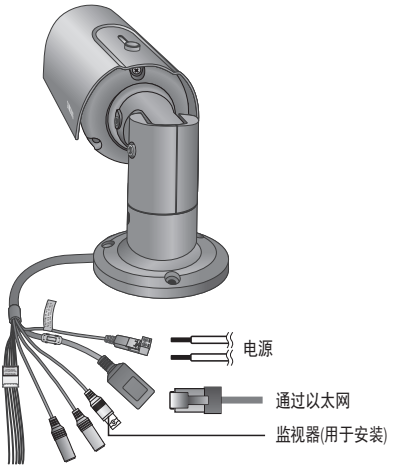
什么是存储卡?

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。

存储卡说明

- 本产品配备 4GB 内置存储卡。
  不要因为防水等原因自行拆开本产品。
- 如果您遇到安装问题，请咨询制造商以获得技术协助。

与其他设备连接



- 产品的 BNC 输出端子是为了方便安装而提供的，建议不要将它用于监视。
  如果保持连接 BNC 电缆，则闪光的风险可能会导致损坏产品或使产品功能异常。

以太网连接

将以太网电缆连接到本地网络或互联网。

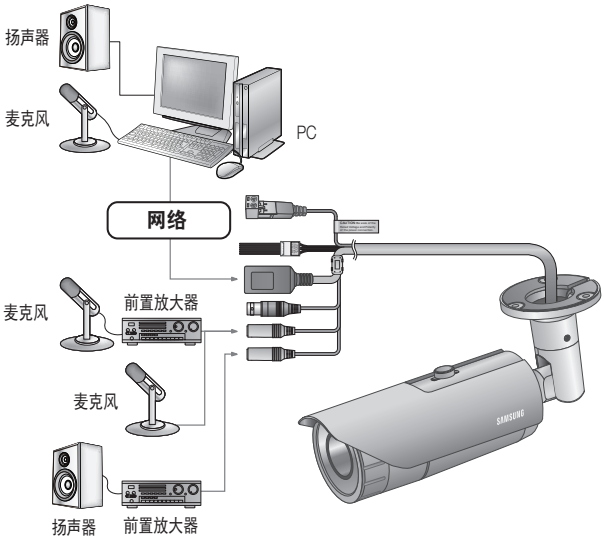
电源

使用螺丝刀将每股电源线 (+, –) 连接至摄像机的相应电源端口。

- 在连接电源线时，切勿弄反极性。
  您也可以使用具有 PoE（以太网供电）功能的路由器为摄像机供电。
- 如果同时提供 PoE 和 DC12V 电源或 PoE 和 AC 24V，产品将使用第一种提供的电源工作。
- 如果使用 PoE 和 DC 12V 适配器，加热器根本无法工作。
  如果由于安装环境而必须使用加热器，请使用 AC 24V 适配器。
  适配器需单独购买。
- 交流 24V 可以采用无极性方式供电。
- 在低于 -10°C 的低温地方，请使用交流 24V。
- 连接监视器与摄像机时，请确保它们已关闭。

安装与连接

连接音频输入/输出

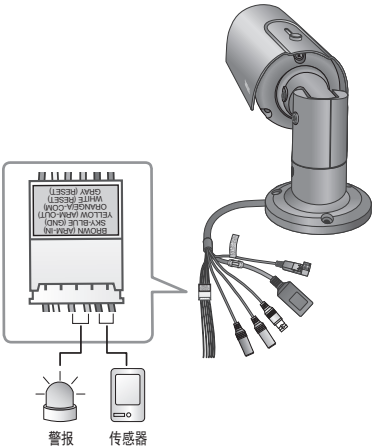


1. 将摄像头的 AUDIO IN 端口直接与麦克风连接，或与和麦克风连接的放大器的 LINE OUT 端口相连。
2. 将摄像头的 AUDIO OUT 端口与扬声器的 LINE IN 连接。
3. 检查音频输入的规格。

- **音频编解码器**
  音频输入：G.711 PCM（比特率：64kbps/采样频率：8kHz), G.726 ADPCM（比特率：6Kbps, 24Kbps, 32Kbps, 40Kbps/采样频率：8kHz)
  音频输出：G.711 PCM（比特率：64kbps/采样频率：8kHz)
- **全双工音频**
- **音频输入**
  使用单声道信号线路输入（最大2.4 Vpp）
- **音频输出**
  使用单声道信号线路输出（最大2.4 Vpp）
- **线路输出阻抗**
  600Ω

连接警报 I/O 信号

使用电缆线的 I/O 端口连接警报输入/输出信号。



端口	说明	端口	说明
ARM-IN	警报输入传感器端口	GND	接地端口
ARM-OUT	警报输出	A-COM	警报输出（公用）

连接警报输入信号

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

连接警报输出信号

将外部设备每根信号线（2 线）的一股线连接至 [ARM-OUT] 端口，并将另一股线连接至 [A-COM] 端口。

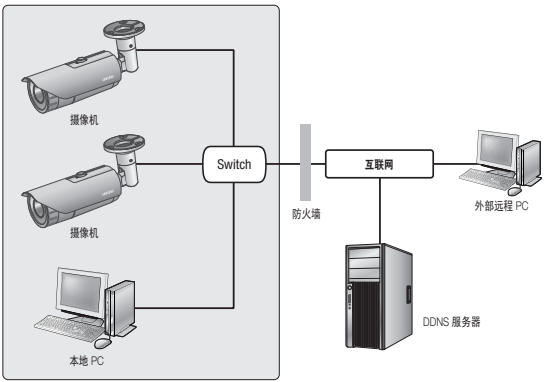
网络连接和设置

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

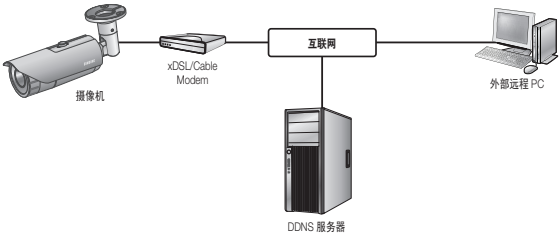
1. 启动本地 PC 上的网络浏览器。
2. 在浏览器的地址栏中输入 IP 地址。



<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 25 页）

将摄像机直接连接至基于 DHCP 的 xDSL/有线电视网调制解调器

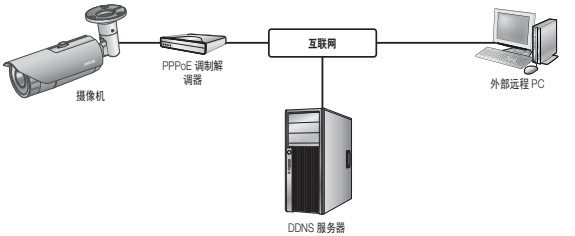


1. 使用交叉 LAN 电缆将网络电缆直接连接至您的 PC。
2. 运行 IP Installer 并更改摄像机的 IP 地址，以便可以使用桌面上的 Web 浏览器连接至互联网。
3. 使用互联网浏览器连接至 Web Viewer。
4. 移至 [**Setup**] 页面。
5. 移至 [**Network**] – [**DDNS**] 并配置 DDNS 设置。
6. 移至 [**Network**] – [**接口**]，并将网络类型设置为 [DHCP]。
7. 将摄像机（已从您的 PC 上拔下）直接连接至调制解调器。
8. 重新启动摄像机。

- 有关注册 DDNS 设置，请参阅“**注册 DDNS**”。（第 65 页）
- 有关配置 DDNS 设置，请参阅“**DDNS**”。（第 64 页）
- 有关设置网络类型，请参阅“**接口**”。（第 62 页）

网络连接和设置

直接将摄像机连接到 PPPoE 调制解调器

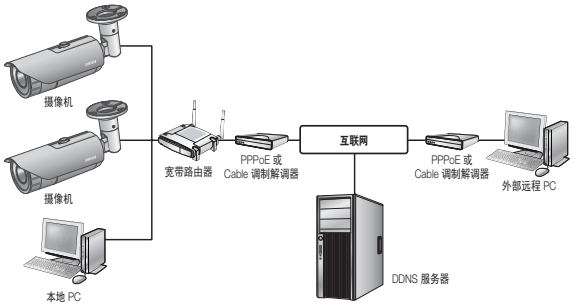


1. 使用交叉 LAN 电缆将网络电缆直接连接至您的 PC。
2. 运行 IP Installer 并更改摄像机的 IP 地址，以便可以使用桌面上的 Web 浏览器连接至互联网。
3. 使用互联网浏览器连接至 Web Viewer。
4. 移至 [**Setup**] 页面。
5. 移至 [**Network**] – [**DDNS**] 并配置 DDNS 设置。
6. 移至 [**Network**] – [**接口**]，并将网络类型设置为 [PPPoE]。
7. 将摄像机（已从您的 PC 上拔下）直接连接至调制解调器。
8. 重新启动摄像机。

- 有关注册 DDNS 设置，请参阅“**注册 DDNS**”。（第 65 页）
- 有关配置 DDNS 设置，请参阅“**DDNS**”。（第 64 页）
- 有关设置网络类型，请参阅“**接口**”。（第 62 页）

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

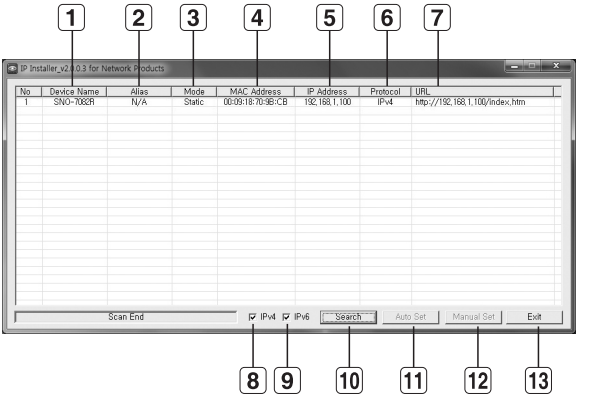
例2) 若宽带路由器的地址 (LAN IP) 为 192.168.0.1
IP 地址：192.168.0.100
子网掩码：255.255.255.0
默认网关：192.168.0.1

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 30 页）

网络连接和设置

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”。

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。

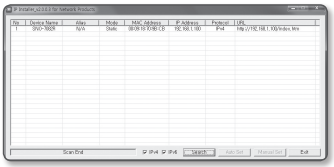
- 对于 IP Installer，请仅使用在安装 CD 中提供的版本，或者最新版本（如果可以获得）。
  可以从 Samsung 网站 (www.samsungcctv.com) 下载最新版本。

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。

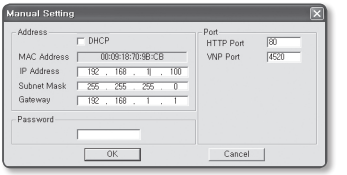
- 对于以 IPv6 设置为基础的摄像机，这些按钮将呈灰色，因为摄像机不支持此功能。



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。

网络连接和设置

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。

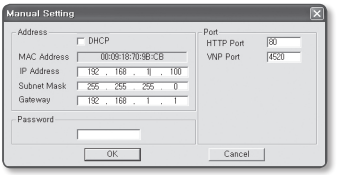


- 只有在未选中 DHCP 复选框的情况下，才能配置静态 IP 设置。

如果不使用宽带路由器

若要设置 <**IP Address**>、<**子网掩码**> 和 <**Gateway**>，请联系网络管理员。

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 89 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 30 页）

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

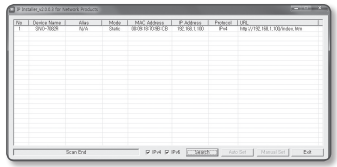
- 如果 <**HTTP Port**> 设置为除 80 以外的值，您必须在互联网浏览器的地址栏中提供 <**Port**> 号，才能访问摄像机。
  例) http://IP address: HTTP Port
  http://192.168.1.100:8080

网络连接和设置

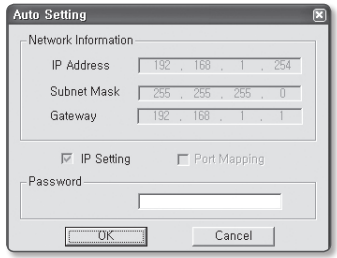
自动网络设置

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 89 页）

4. 单击 [**OK**]。
   将完成自动网络设置。

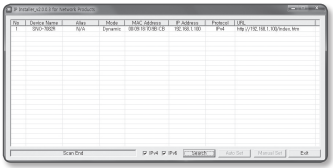
动态 IP 设置

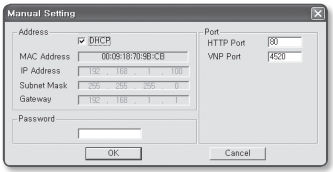
动态 IP 环境设置

- 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**>。





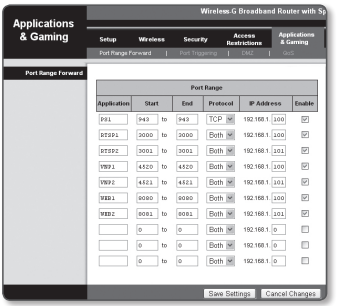
网络连接和设置

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 <**Setup**> - <**Network**> - <**端口**> 中指定的端口号相符。
3. 完成后，单击 [**Save Settings**]。
   将保存设置。



- 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。

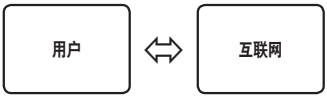
设置多个网络摄像机的端口范围前移

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：



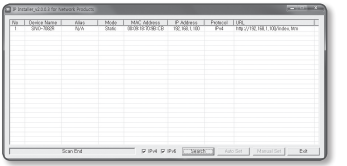
宽带路由器			
开始	结束	协议	IP 地址
943	943	TCP	192.168.1.100
3000	3000	TCP/UDP	192.168.1.100
3001	3001	TCP/UDP	192.168.1.101
4520	4520	TCP/UDP	192.168.1.100
4521	4521	TCP/UDP	192.168.1.101
8080	8080	TCP/UDP	192.168.1.100
8081	8081	TCP/UDP	192.168.1.101

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

网络连接和设置

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。

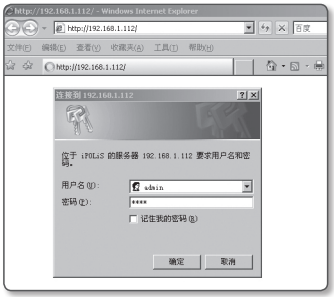
1. 您应该设置宽带路由器端口范围前移，然后才能访问宽带路由器网络中的摄像机。
2. 从远程 PC 启动互联网浏览器，并在地址栏中键入摄像机的 DDNS URL 地址，
   或宽带路由器的 IP 地址。
   例) http://www.samsungipolis.com/[产品 ID]

- 有关注册 DDNS 设置，请参阅 “**注册 DDNS**”。（第 65 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。

web 查看器

■ **检查 DDNS 地址**

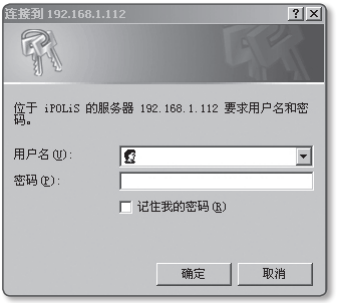
如果摄像机直接连接到 DHCP 有线电视网调制解调器、xDSL 调制解调器或 PPPoE 调制解调器，每当您尝试连接到 ISP（互联网服务提供商）服务器时，您的网络 IP 地址都会更改。
在这种情况下，将不会通知您 IP 地址已被 DDNS 更改。

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 <**Network**> - <**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 <**System**> - <**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。

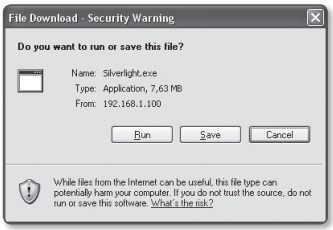
安装 Silverlight Runtime

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。

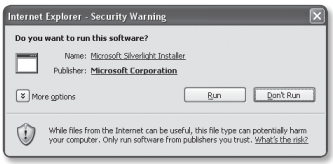
■ **在 Windows 操作系统上安装**

1. 单击 <**Click Here**>。

2. 当文件下载对话框弹出时，请单击 <**Run**>。

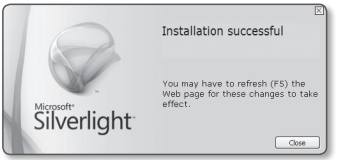


3. 完成下载后，请单击 <**Run**>。



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**>。

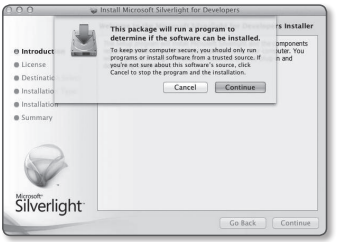


■ **在 MAC 操作系统上安装**

1. 运行以“.dmg”结尾的文件。

2. 运行自动创建的以“.pkg”结尾的安装包文件。

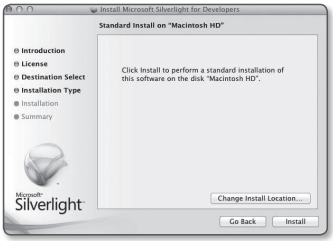
3. 单击 <**Continue**>。



4. 在选择语言屏幕上选择语言，然后单击 <Continue>。

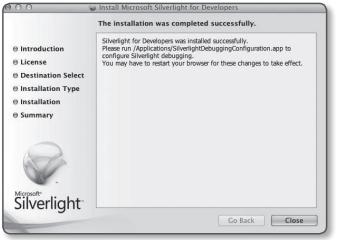
5. 单击 <Agree>。

6. 单击 <Install>。



7. 输入当前登录的帐户的密码，然后单击 <**Install Software**> 并继续。

8. 完成后，单击 <**Close**>。

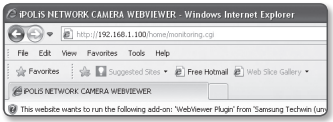


安装 STW WebViewer 插件

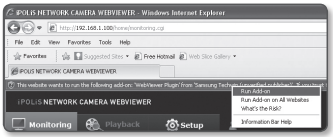
如果首次连接到摄像机，您将会看到安装消息。然后，安装所需的 WebViewer 插件以访问摄像机并在摄像机内实时控制视频。

- 应该先在计算机上安装 Microsoft Visual C++ 2010 Redistribute Package，然后才能安装 Web Viewer 插件。如果尚未安装 Visual Studio 2010，您将会看到以下错误消息：“There is no VC++ 2010 runtime installed. Please install the runtime library.”运行 vcredist_x86.exe 文件，该文件可在 Samsung 网站 www.samsungcctv.com 或随附的安装 CD 中找到。vcredist_x86.exe 文件是适用于 32 位操作系统的 Microsoft Visual Studio 2010 Redistributable Package。

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。

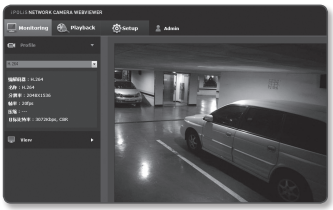


2. 单击 <**Run Add-on**>。



3. 安全性警告弹出窗口将会出现，单击 [**Run**].

4. 正确安装 Web Viewer 插件之后，将看到实时画面显示出来。



web 查看器

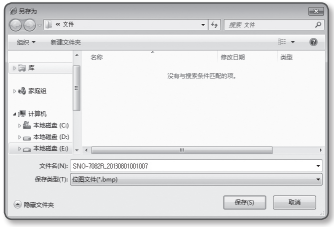
使用现场屏幕

项目	说明
1 正在监视	移至监视屏幕。
2 播放	切换至播放 SD 存储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。 ■ 在 Viewer 屏幕中，可以使用鼠标滚轮来激活数码缩放。
5 配置文件类型	可以在 <**视频**> 设置菜单下的 <**Video & Audio**> 中选择配置文件类型。 ■ 连接 Web Viewer 后，将会显示当前使用的配置文件的信息。
6 屏幕优化	来自摄像机的视频尺寸将放大为与 Web 浏览器尺寸一样大。
7 固定分辨率	不管在摄像机中配置的分辨率设置如何，系统都会将分辨率设置为 640x480。再按一次它会切换回默认分辨率。

项目	说明
8 全屏	将当前视频切换至显示器的最大大小。
9 捕捉	以 .bmp 或 .jpg 格式将快照另存为图像文件。
10 音频/麦克风控制	启用/禁用音频和麦克风，并控制音量。
11 警报输出	激活警报输出端口。
12 隐藏上下文菜单	左上角的上下文菜单将会消失，只留下菜单图标。

捕捉快照

1. 在场景上单击 [**捕捉** ( )] 进行捕捉。
   捕捉对话框将会出现。
2. 确认保存路径，然后单击 [**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**”。

web 查看器

适合全屏

1. 单击 [**全屏** ( )] 按钮。
2. 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 Internet Explorer 和 Google Chrome 浏览器，您可以切换至全屏幕。

控制音频声音

1. 单击 [**音频** ( )] 图标以激活音频通信。
2. 使用 [ ] 滑块控制音量。

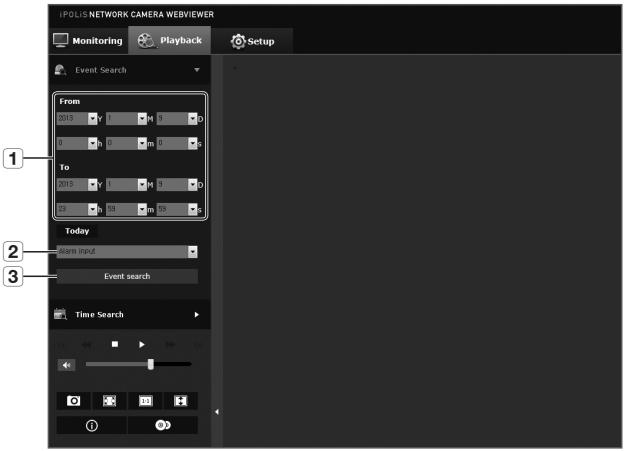
控制麦克风

单击 [**麦克风** ( )] 图标以激活麦克风。

播放录制的视频

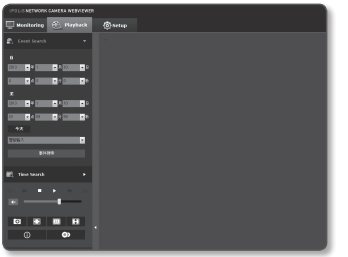
- 在可以播放视频之前，必须配置录制设置。有关录制设置的详细信息，请参阅“**存储器**”。（第 73 页）

事件搜索屏幕的名称及其功能



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。

在按事件搜索后播放内容

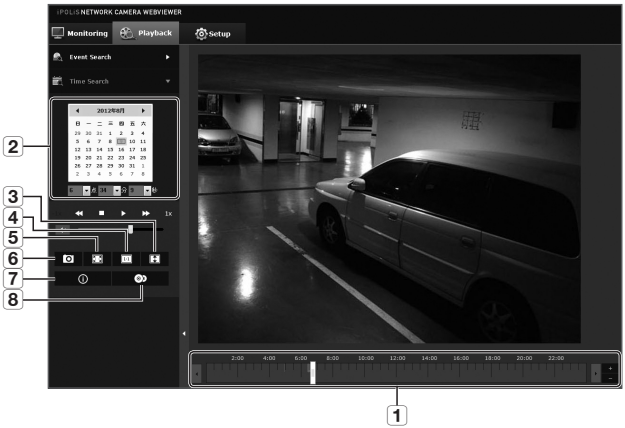


1. 单击 [Playback ( )] 按钮。
2. 指定搜索的开始和结束时间。
3. 选择指定时间段内搜索的事件类型。
4. 单击 [**事件搜索**] 按钮。
   搜索结果将显示在列表中。

- 如果在搜索时间段内录制了超过 500 个事件，则搜索将限制为录制第 500 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 500 个事件，则搜索将限制为最多第 11 天（共 500 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** ( )]。
8. 要返回到搜索屏幕，请单击 [**退出** ( )]。

时间搜索屏幕的名称及其功能



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 屏幕优化	转换摄像机图像，使它适合 Web 浏览器窗口。
4 固定分辨率	不管在摄像机中配置的分辨率设置如何，系统都会将分辨率设置为 800x600。再按一次它会切换回默认分辨率。
5 全屏幕	转换当前图像，使它覆盖显示器的最大尺寸。
6 捕捉	当前图像另存为 .jpg 或 .bmp 图像文件。

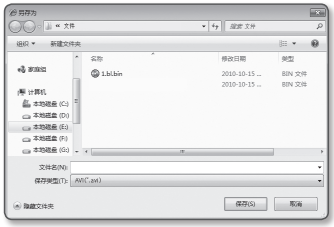
项目	说明
7 视频信息	屏幕上将显示回放视频的时间数据。
8 备份	时区设置为备份 SD 内存卡中保存的视频。 ■ 最多可设置为 5 分钟。

在按时间搜索后播放

1. 单击 [Time Search ( )].
2. 在日历中单击所需日期。
   将会播放指定日期上的视频。
3. 如果视频播放已停止，请选择时间，
   然后单击 [**播放** ( )]。
   将会播放所选日期上的视频。
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. 在播放期间，在场景上单击 [ ] 进行备份。
   备份开始和结束时间的计划窗口将会出现。
2. 单击 [ ] 按钮。
   另存为窗口将会出现。
3. 确认保存路径，然后单击 [**保存(S)**] 按钮。
   屏幕截图将备份到指定的路径中。



播放备份视频

备份视频以 .avi 格式保存。可以在计算机上使用支持该格式的任何媒体播放器播放备份视频。

设置屏幕

设置

可以配置网络中的摄像机的视频与音频、网络、事件和系统设置。

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

- 需要在计算机上安装 Microsoft Sliverlight 4.0 或更高版本才能设置提供预览视频的页面。如果尚未安装该软件，则会自动移至 Sliverlight 安装程序。

视频与音频设置

视频配置文件

1. 从设置菜单，选择 <**Video & Audio** ( )> 选项卡。
2. 单击 <**视频配置文件**>。
3. 设置 <**像素模式**>。
   更改模式选择会显示有关重设视频配置的确认消息。
   单击[**确定**]以确认更改视频设置。
4. 设置 <**视频配置文件连接策略**>。
   - 在更改配置文件设置时保持连接：更改现有连接使用的配置文件属性不影响此类连接并且保留旧配置文件的设置。
     如果未选中，则更改现有连接使用的配置文件会重设此类连接。
5. 选择每个配置文件属性。

6. 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：如果在使用 Web Viewer 时未选择配置文件，则会应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。
   - 录制配置文件：这是应用于视频录制的配置文件。
   - 音频输入：设置是否使用音频进行视频录制。
7. 根据您的情况，设置 ATC（自动传输控制）模式。

   - ATC 模式：它可以根据网络带宽的变化调整视频属性，以控制比特率。
     根据 ATC 模式调整比特率。
     - 控制帧速率：如果网络带宽下降，则降低帧速率。
     - 控制压缩：如果网络带宽下降，则控制压缩率。
       压缩调整可能会导致图像质量下降。
     - 如果 <**比特率控制**> 设置为 <**CBR**>，则根据 ATC 模式，按如下所示固定编码优先级：

比特率控制/ATC 模式	控制帧速率	控制压缩
CBR	帧速率	压缩

   - ATC灵敏度：根据网络带宽的变化影响传输速率。
     如果带宽为<**非常高**>，传输速率将调整为最高，如果带宽为<**非常低**>，则调整为最慢。
   - ATC限制：如果调整帧速率的质量，此属性将更改为针对上一设置值 (100%) 的应用值 (%)。
     请注意，如果您将此属性值降低太多，屏幕上可能会闪烁。因此，建议在阈值范围内调整该值。

- 建议您仅对支持 ATC 的摄像机应用 ATC 控制。
- 在网络带宽变化较大的网络环境中，将 ATC 灵敏度设置为<**非常低**>。
- 如果网络连接不稳定，屏幕可能会闪烁。

8. 完成后，请单击 [**应用** (应用)]。

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 <**视频配置文件**> 选项之一。
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。
   单击 <**高级**> 以显示上下文。
   - 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。
   - 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。

   - 目标比特率：指定传输视频将用的比特率。
   - 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。
     CBR（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。

- 如果比特率控制设置为恒定比特率，则实际传输帧率可能低于设置的帧率，因为帧率优先模式会切换到压缩率优先模式以确保在某个比特率达到最高影像质量，而这个比特率的设置取决于屏幕的复杂程度。

   - 编码优先权：可以将视频传输方法设置为帧率或质量。
   - 视频组长度：您可以选择视频组长度。(200 万像素模式：1~150, 300 万像素模式：1~100)
   - 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 (SVNP)：指定使用 SVNP 协议。
  - IP 地址：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 SVNP 数据包设置 TTL。
- 多播 (RTP)：指定 RTP 协议的使用。
  - IP 地址：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。

什么是视频组长度?

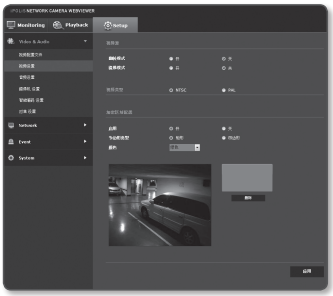
视频组（视频对象平面组）是用于 H.264 压缩的视频帧，表示从初始图像帧（关键帧）到下一个图像帧的帧集合。视频组由 2 类帧组成：I 帧和 P 帧。

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。

H.264 编解码器对于 200 万像素模式可以设置 1 和 150 之间的视频组长度值，而 H.264 编解码器对于 300 万像素模式可以设置 1 和 100 之间的视频组长度值。

视频设置

1. 从设置菜单，选择 <**Video & Audio** ( )> 选项卡。
2. 单击 <**视频设置**>。
3. 选择 <**视频源**> 模式。
   - 翻转模式：使摄像机捕捉的图像上下翻转。
   - 镜像模式：使摄像机捕捉的图像水平翻转。
4. 选择视频类型。
5. 指定隐私区域。
6. 完成后，请单击 [**应用** (应用)]。



设置屏幕

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. 选择 <**开**> 并单击 [**应用 (** 应用 **)**] 按钮。
   此时可选择区域。
2. 选择所需加密区域的遮挡类型和颜色。
   - 矩形：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。
     可以重叠加密区域设置的矩形。
   - 四边形：在视频上选择 4 个顶点（形成四边形）。
3. 单击视频屏幕并拖动以设置所需区域。
4. 提供名称，然后按 [**确定**]。
5. 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 **)**]。

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 <**Video & Audio (** **)**> 选项卡。
2. 单击 <**音频设置**>。
3. 设置音频输入值。
   - 来源：设置音频输入。
     - 线：线性输入音频输入。
     - 外部麦克风：3.5mm 插孔类型，有源主动外部麦克风。
   - 为外部麦克风供电：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。如果选择了 <**外部麦克风**>，则此选项可用。

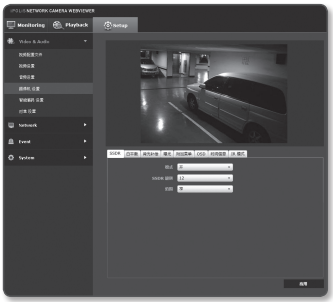
- 编解码器：选择要使用的编解码器。
  - G.711：一种音频编解码器标准，它使用 64 Kbps PCM（脉冲编码调制）编码。ITU 标准音频编解码器，对于在 PSTN 网络或通过 PBX 进行的数字语音传输而言已经足够。
  - G.726：ITU 标准音频编解码器，将可变比特率 40/32/24/16 Kbps 的 ADPCM（自适应差分脉冲编码调制）应用于 64 Kbps PCM 编码。
- 比特率：如果使用 G.726 编解码器，则设置比特率以区分压缩比。
- 增益：设置输入音频增益。

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** (应用)]。

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 <**Video & Audio** ( )> 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、OSD、时间信息、IR 模式
4. 完成后，请单击 [**应用** (应用)]。
   - 如果在更改设置之后经过一定的时间未按 [**应用** (应用)] 按钮（超时：240 秒），则不会应用您的更改。



设置屏幕

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. 配置必要的 <**SSDR 级别**> 和 <**级别**> 设置。
   - SSDR 级别：调整动态范围的级别。
   - 范围：选择动态范围的幅度区域。

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。
   - 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
    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

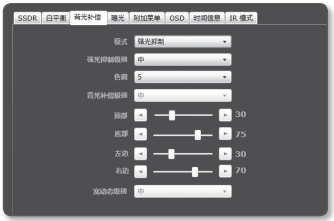
可以手动在视频上指定想要的区域和设置要更清晰显示的区域。

1. 选择 <**背光补偿**>。
2. 将 <**模式**> 设置为 <**背光补偿**>。
3. 设置 <**背光补偿级别**>。
   可以更改等级以调整监视区域的亮度。
4. 设置 <**顶部，底部，左边，右边**> 等级以指定目标区域。

强光抑制设置

当摄像机面对强光（如路灯或汽车前灯）时，您可以遮盖暴露区域以免其饱和。

1. 选择 <**背光补偿**>。
2. 将 <**模式**> 设置为 <**强光抑制**>。
3. 设置 <**强光抑制级别**> 和 <**色调**>。
   - 强光抑制级别：调整亮度等级以便在特定条件下消除进入的高光。
   - 色调：调整高光区域的遮掩色调。



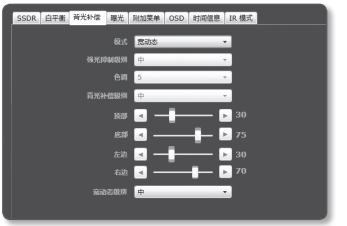
- 在晚上操作时，仅当在低照度环境中进入高光越过区域时，才会激活此功能。
- 在晚上工作时，强光抑制将不会在太亮或太暗场景中工作。

设置屏幕

宽动态设置

将在同时存在明亮和阴暗区域的场景中显示尖锐的物件图像。

1. 选择 <**背光补偿**>。
2. 将 <**模式**> 设置为 <**宽动态**>。
3. 指定 <**宽动态级别**>。



- 如果应用宽动态，可能会在较亮和较暗区域之间的边界发现杂讯。

例)

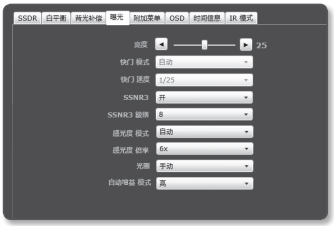
<宽动态关>

<宽动态开>

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。
       - 如果 <**光圈**> 设置为 <**手动**>，则会激活此项。
     - 手动：手动调整摄像机的快门速度。
       - 在 2M 模式中，您可以选择 1/30 与 1/12000 秒之间的一个值，在 3M 模式中，您可以选择 1/20 与 1/12000 秒之间的一个值。
     - 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。
   - 快门 速度：手动控制快门速度。
   - SSNR3：指定使用降噪。
   - SSNR3 级别：调整降噪级别。
   - 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。
     - 如果您将快门模式设置为手动/防闪烁，将取消激活感光度模式。
     - 感光度因数越大，屏幕就变得越明亮，但可能会导致重影或视频延迟。
   - 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：将光圈设置为其最大孔径。
   - 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。



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。
   - 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。

     - ■ 如果从 <**曝光**> 将自动增益模式设置为 <**关**>，则会相应地禁用自动白天/夜晚模式。
     - 外部：通过警报输入端口与外部 IR 同步时，控制彩色和黑色图像模式。
   - 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的时间间隔。
   - 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。
   - 伽玛：调整图像的对比度。
   - 色调 级别：调整图像的颜色等级。
   - 警报输入：根据报警传感器的开/闭状态，将图像设置为彩色或黑白。
     - ■ 如果将日夜模式设置为外部，则会禁用事件-报警输入页面上的报警输入功能。

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。

时间信息设置

1. 选择 <**时间信息**>。
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。
   - 日期模式：指定将在视频屏幕上显示的日期格式。
   - 位置X, Y：指定在屏幕上显示时间的位置。
   - 显示工作日：指定在屏幕上显示使用日期。

IR 模式设置

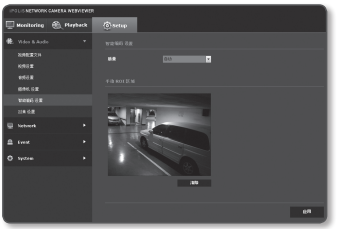
1. 选择 <**IR 模式**>。
2. 选择各项并进行正确设置。
   - IR 模式：在黑白模式下红外指示灯亮起时，可避免屏幕处于中心区饱和状态。
     - 关：将禁用红外模式。
     - 自动：根据中心屏幕上物体的亮度调节红外亮度。
     - 手动：手动调整红外亮度。
   - 级别：如果将红外模式设置为手动，则您可以在 0 和 32 之间调整红外指示灯的亮度级别。

- 当将 <**日夜**> 设置为 <**自动**> 或 <**黑白**> 时，将会激活红外模式。

设置屏幕

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。



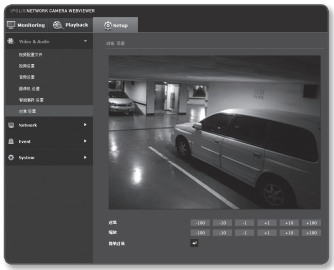
1. 从设置菜单，选择 <Video & Audio ( )> 选项卡。
2. 单击 <**智能编码 设置**>。
3. 设置图像质量。
   ROI区域将以指定的质量显示。
4. 使用鼠标指针选择所需区域，然后将它拖动到所需大小。
   - 最多可以指定 5 个独立的区域。
5. 要取消区域的所有设置，请单击 [**清除(** 清除)] 按钮。
6. 完成后，请单击 [**应用 (** 应用)]。

- 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 48 页）

对焦 设置

您可以调节视频图像的焦点和缩放比率。

1. 从设置菜单，选择 <Video & Audio ( )> 选项卡。
2. 单击 <**对焦 设置**>。
3. 设置焦点和缩放。
   - 对焦：手动调节镜头焦点（远 <-> 近）。
   - 缩放：手动调节缩放（广角 <-> 望远）。
   - 简单对焦：单击 [↵] 按钮以自动适合焦点。

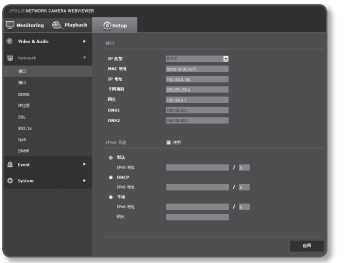


- 在下列情况下，简单对焦模式可能无法正确调适：
  - 在 简单对焦模式下突然切换至物体（突然移动、出现或消失）
  - 在 简单对焦模式下亮度彻底改变
  - 图像对比度低
  - 摄像机前面或周围有强光源时
- 如果焦点不适当的离开上面提到的位置，请使用 [-100 , -10 , -1 , +1 , +10 , +100] 按钮来手动调节焦点。
- 在难以应用简单对焦的情况下，请尝试使用手动对焦模式。

设置屏幕

网络设置

接口



1. 从设置菜单，选择 <**Network (** **)**> 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**>。
4. 配置 <**IPv6 设置**>。
   - 设置为 <**使用**> 以使用 IPv6 地址。
   - DNS1/DNS2：显示 DNS（域名服务）服务器地址。
   - 默认：使用默认 IPv6 地址。
   - DHCP：显示并使用从 DHCP 服务器获取的 IPv6 地址。
   - 手动：手动输入 IP 地址和网关并使用它。
5. 完成后，请单击 [**应用 (** 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 (** 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 <**Network** ( )> 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。
   - Web 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。

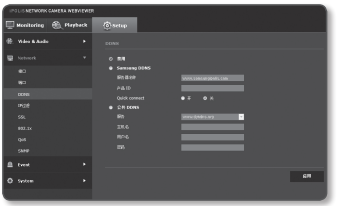
- 如果更改了 HTTP 端口，则浏览器会退出。
  此后，地址应该在 IP 后面包含新分配的 HTTP 端口。
  例) IP 地址：192.168.1.100，HTTP 端口：分配了 8080 → http://192.168.1.100:8080
  (如果将 HTTP 端口设置为 80，则不需要指定端口号)
- 网络流的端口范围是介于 4502 和 4534 之间。如果设备端口在此有效范围内，则指定的网络流端口应该与设备端口相同。
- 无法更改摄像机的 网络流/Silverlight 策略服务器端口。

4. 完成后，请单击 [**应用** (应用)]。

设置屏幕

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。



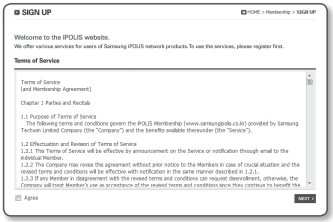
1. 从设置菜单，选择 <**Network (**)> 选项卡。
2. 单击 <**DDNS**>。
3. 选择 <**DDNS**> 连接类型。
4. 根据所选类型键入 DDNS 项目。
   - Samsung DDNS：如果使用 Samsung Techwin 提供的 DDNS 服务器，请选择此项。
     - 产品 ID：输入向 Samsung DDNS 服务注册的产品 ID。
     - Quick connect：当与支持 UPnP（通用即插即用）的路由器配合使用时，它会自动设置端口转发。
   - 公共 DDNS：使用公共 DDNS 服务器时，可从所提供的公共 DDNS 服务器中选择一个。
     - 服务：选择所需的公共 DDNS 服务的服务器。
     - 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。
5. 完成后，请单击 [**应用 (** 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

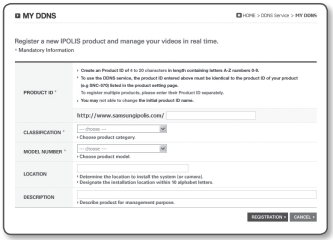
1. 访问 iPOLiS 网站 (www.samsungipolis.com) 并用已注册的帐户登录。



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。

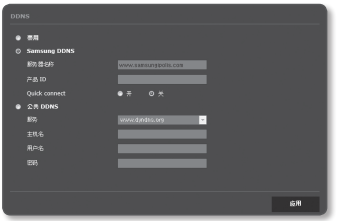
5. 选择 <**CLASSIFICATION**> 并指定 <**MODEL NUMBER**>。
6. 指定产品位置及说明（如有必要）。
7. 单击 [**REGISTRATION**]。
   产品将添加至产品列表，您可以对其进行检查。



设置屏幕

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 (** 应用 **)**]。
   成功进行连接后，屏幕上将显示消息 <**(成功)**>。



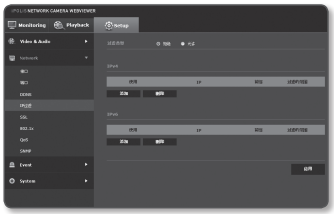
在摄像机设置中配置公共 DDNS

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 (** 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 (** 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 30 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 <Network ( )> 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. 单击 [**添加** (添加)] 按钮。
   将会创建 IP 列表。
5. 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。

- 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。

6. 从列表中选择要删除的 IP。
   单击 [**删除** (删除)] 按钮。
7. 完成后，请单击 [**应用** (应用)]。

设置屏幕

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 <**Network (**)> 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 (** 应用)]。

安装证书

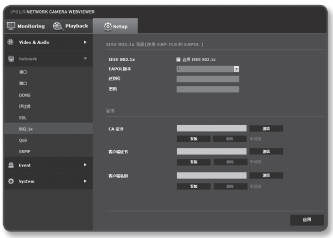
1. 输入证书名称。
2. 选择要安装的证书文件及证书密钥，然后单击 [**安装 (** 安装)] 按钮。

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 <**Network (**)> 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。
   - 识别号：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 (** 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。

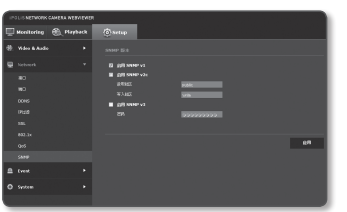
1. 从设置菜单，选择 <**Network** ( )> 选项卡。
2. 单击 <**QoS**>。
3. 单击 [**添加** (添加)] 按钮。
   将会创建 IP 列表。
4. 输入将应用 QoS 的 IP 地址。

- 默认前缀对于 IPv4 是 32；
  对于 DSCP，默认值设置为 63。
- 只能为设置为 <**使用**> 的 IP 地址设置优先级。

5. 从列表中选择要删除的 IP。
   单击 [**删除** (删除)] 按钮。
6. 完成后，请单击 [**应用** (应用)]。

SNMP

通过 SNMP 协议，系统或网络管理员可以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 <**Network** ( )> 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** (应用)]。

- 仅当安全连接模式是 HTTPS 时，才能设置 SNMP v3。
  请参阅 “**SSL**”。（第 68 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 <**Event** ( )> 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**>。

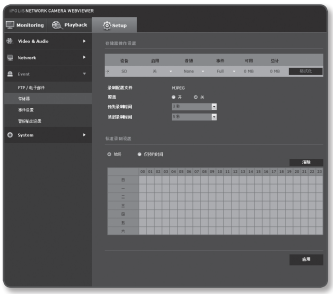
- 电子邮件 配置
  - 服务器地址：输入您将警报或事件图像传输到的电子邮件服务器的 IP 地址。
  - 使用身份验证：选择是否使用身份验证。
  - SSL 使用：指定使用 SSL。
  - ID：输入用于登录电子邮件服务器的用户 ID。
  - 密码：输入用于登录电子邮件服务器的用户帐户密码。
  - 端口：电子邮件服务器的默认端口为 25；但是，可以根据电子邮件服务器设置使用不同的端口号。
  - 收件人：输入电子邮件收件人的地址。
  - 发件人：输入电子邮件发件人的地址。如果发件人地址不正确，来自发件人的电子邮件可能会被电子邮件服务器分类为垃圾邮件，这样可能不发送。
  - 主题：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** (应用)]。

存储器

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

1. 从设置菜单，选择 <Event ( )> 选项卡。
2. 单击 <**存储器**>。



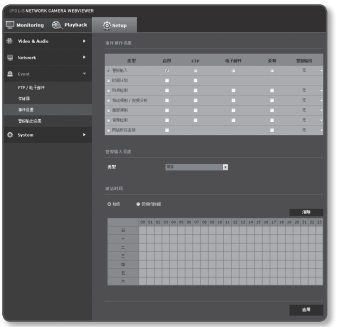
在 SD 存储卡上进行录制

1. 检查存储卡的 <**可用**> 大小和 <**总计**> 大小。
2. 如果可用空间足够，请将设备设置为 <**使用**>。
   否则，请检查已存储的数据，如果发现它们不重要，则单击 <**格式化**> 以格式化 SD 存储卡。
   - 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 存储卡，格式化将相应变慢。
   - 设置为分辨率、比特率和帧速度的较高选项会提高产生的数据量。
     当数据大小增大时，传输的视频只能以 1 fps 存储，即使您将录制质量设置为完全帧也是如此。
3. 指定存储操作。
   - 录制配置文件：显示录制配置文件的编解码器类型。
   - 覆盖：如果 SD 存储卡已满，这将删除旧数据并存储新数据代替。
   - 预先录制时间：指定警报发出之前的时间点；从该时间点开始，将传输图像。
     最多可以指定警报发出之前 5 秒。
   - 延迟录制时间：指定警报发出之后的时间点；将传输图像到指定的时间点为止。
     最多可以指定警报发出之后 120 秒。
   - 普通：以特定帧速率进行录制。
   - 事件：设置发生的特定事件的录制类型。
4. 指定 <**标准录制设置**>。
   - 始终：始终将录制的视频保存在 SD 存储卡中。
     - 如果设置为始终，则激活时间无法更改。
   - 仅预约时间：仅在指定星期几的指定时间录制。
   - [清除(清除)]：重置全部设置。
5. 完成后，请单击 [**应用** (应用)]。

设置屏幕

警报输入

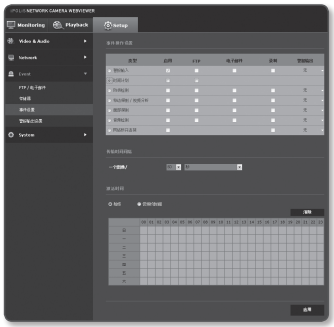
可以设置警报输入类型、激活时间和工作模式。



1. 从设置菜单，选择 <Event ( )> 选项卡。
2. 单击 <**事件设置**>。
3. 从 <**事件操作设置**> 中选择 <**警报输入**>。
4. 设置是否 <**启用**>。
5. 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。
6. 指定 <**激活时间**>。
   - 始终：当警报发出时，将始终检查。当警报发出时，它将在运行的模式下激活。
     - 如果设置为 <**始终**>，激活时间将无法更改。
   - 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(清除)]：重置全部设置。
7. 指定警报发出时将执行的操作。
   - FTP：在警报输入设置中指定使用 FTP 传输。
   - 电子邮件：在警报输入设置中指定电子邮件传输的使用。
   - 录制：在警报输入设置中指定录制的使用。
   - 警报输出：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。
8. 完成后，请单击 [**应用** (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。

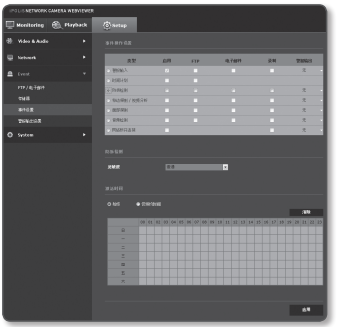


1. 从设置菜单，选择 <Event ( )> 选项卡。
2. 单击 <**事件设置**>。
3. 从 <**事件操作设置**> 中选择 <**时间计划**>。
4. 设置是否 <**启用**>。
5. 指定 <**传输时间间隔**>。
6. 指定 <**激活时间**>。
   - 始终：始终在设置的时间间隔内以运行的模式激活。
   - 仅预约时间：在指定的时间和日期定期以运行的模式激活。
7. 指定激活条件。
   - FTP：指定事件发生时 FTP 传输的使用。
8. 完成后，请单击 [**应用** (应用)]。

设置屏幕

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。



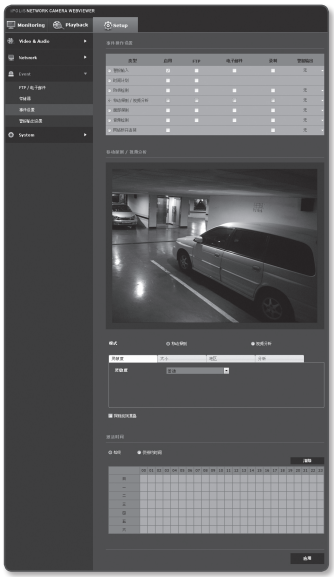
1. 从设置菜单，选择 <Event ( )> 选项卡。
2. 单击 <**事件设置**>。
3. 从 <**事件操作设置**> 中选择 <**防拆检测**>。
4. 设置是否 <**启用**>。
5. 设置防拆检测灵敏度。
   灵敏度越高，越能检测最小的拆离尝试。
6. 指定激活时间和激活条件。
   - 有关 <**激活时间**> 和 <**动作**> 的详细信息，请参阅 “**警报输入**”。（第 74 页）
7. 完成后，请单击 [**应用** (应用)]。

- 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。

移动探测 / 视频分析

可将动作探测和视频分析的事件设置为触发事件信号输出。

1. 从设置菜单，选择 <Event ( )> 选项卡。
2. 单击 <**事件设置**>。
3. 从 <**事件操作设置**> 中选择 <**移动探测 / 视频分析**>。
4. 设置是否 <**启用**>。
5. 根据您的用途，从移动探测和智能视频分析中选择。
6. 设置 <**灵敏度**>、<**大小**> 和 <**地区**>。选择 智能视频分析时，还需要设置 <**分析**>。
7. 设置是否使用 <**探测规则重叠**>。检测到移动时，会在屏幕上以矩形标出其大小和位置。
   - 绿色：所有目标都检测为移动。
   - 红色：所有目标都检测为通过、进入或退出。
     （彩色标记保持 1 ~ 2 秒钟。）
   - 蓝色：所有目标都检测为出现/消失事件。
     （彩色标记保持 3 ~ 5 秒钟。）
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 74 页）
9. 完成后，请单击 [**应用** (应用)]。



设置屏幕

- 移动探测和视频分析不能同时使用。
- 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。
  - 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。

使用移动探测

它会探测满足灵敏度、大小和区域指定的所有条件的移动。

1. 选择移动探测模式。
2. 选择 <**灵敏度**> 选项卡以设置灵敏度级别。可以设置传感器的灵敏度以检测监视视频中脱离背景的移动。

- 在可以清楚区分物体与背景的情况下，将此项设置为低灵敏度级别。在难以区分物体的相反情况下，如低照度环境中，请将此项设置为高级别。

3. 选择 <**大小**> 选项卡。
   您可以限制要探测的移动的最小/最大大小。
   - 最小大小：要设置被探测移动的最小大小，请选择 <**最小大小**>，然后使用鼠标指向屏幕上的位置并拖动至所需大小。
   - 最大大小：要设置被探测移动的最大大小，请选择 < **最大大小**>，然后使用鼠标指向屏幕上的位置并拖动至所需大小。

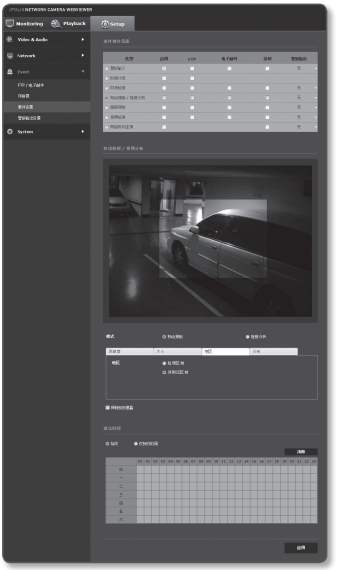
- 无法探测小于指定最小大小或大于最大大小的移动。为了避免大小杂讯导致的意外探测，请根据环境相应地设置最小/最大大小。
  请注意，相同位置处的相同移动在其检测大小方面可能会检测到不同；建议您在设置最小/最大探测大小时，考虑并包括允差。

设置屏幕

4. 选择 <**地区**> 选项卡。
   您可以指定屏幕上要包括到探测中或从探测中排除的区域。
   您最多可以指定 4 个区域。
   - 检测区域：将整个屏幕设置为从探测中排除，并将指定的区域添加为移动探测区域。使用鼠标来拖动以指定首选区域作为移动探测区域。
   - 非测试区域：将整个屏幕设置为移动探测区域，并排除指定的区域作为不探测的区域。使用鼠标来拖动以指定首选区域作为非测试区域。
5. 要删除区域，请右键单击屏幕以打开弹出窗口上下文菜单，然后选择删除和 [**确定**]按钮。

- 将会删除所有已定义的区域。

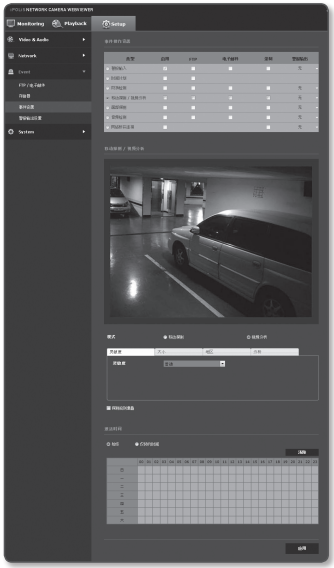
6. 完成后，请单击 [**应用** (应用)]。



使用智能视频分析

它会检测满足灵敏度、大小和区域以及事件条件规则指定的所有条件的事件。

1. 选择视频分析模式。
2. 设置 <**灵敏度**>、<**大小**> 和 <**地区**>。
   有关设置的详细信息，请参阅“**使用移动探测**”。（第 79 ~ 80 页）
3. 选择 <**分析**> 选项卡。
4. 选择视频分析类型。
   - 通过、进入/退出：检测通过、进入或退出用户指定的虚拟线的移动。
   - 出现（消失）：检测从用户定义区域或整个屏幕区域上出现或消失的移动。
5. 设置视频分析规则。
   有关设置的详细信息，请参阅“**设置视频分析规则**”。（第 82 ~ 83 页）
6. 设置是否使用 <**探测规则重叠**>。
   虚拟线和区域的指定规则会显示在监视页面上。
7. 完成后，请单击 [**应用 (** 应用 **)**]。



设置屏幕

设置视频分析规则

■ 通过

1. 将类型设置为 <**通过、进入/退出**>。
2. 将事件规则设置为 <**基于虚拟线的规则**>。
3. 在屏幕上，单击虚拟线的首选起点和终点，然后一个弹出菜单将会出现。
4. 选择所需规则：
   - 右：检测在虚拟线上从左到右运动的移动。
   - 左：检测在虚拟线上从右到左运动的移动。
5. 单击 [**确定**]。
6. 要除去已定义的规则，请右键单击显示的虚拟线以打开弹出上下文菜单，然后选择 [**删除**] 按钮。

■ 进入/退出

1. 将类型设置为 <**通过、进入/退出**>。
2. 将事件规则设置为 <**基于已定义区域的规则**>。
3. 在屏幕上，单击四个顶点以定义检测区域，一个弹出窗口将会出现。
4. 选择所需规则：
   - 进入：检测中心点从区域外部进入已定义区域的移动物体的移动。
   - 出去：检测中心点从已定义区域内部移动到外部的移动物体的移动。
5. 单击 [**确定**]。
6. 要除去已定义的规则，请右键单击区域的显示的虚内部线以打开弹出上下文菜单，然后选择 [**删除**] 按钮。

■ **出现（消失）**

1. 将分析类型设置为 <**出现 (消失)**>。
2. 选择所需事件规则：
   - 基于已定义区域的规则：它会检测出现在区域中并且在未通过区域边界时保留一定时间段的出现物体，以及相反情况下存在于区域中的物体消失。
     在屏幕上，单击四个顶点以定义检测区域。
     从弹出菜单中选择 [**出现(消失)**]。
   - 基于整个区域的规则：它会检测出现在整个屏幕中并保留一定时间的出现物体的事件，以及相反情况下存在于屏幕中的物体消失。
     右键单击屏幕以打开弹出上下文菜单，然后选择 [**出现(消失)**]。
3. 单击 [**确定**]。
4. 要除去已定义的规则，请右键单击区域的显示的虚内部线或屏幕以打开弹出上下文菜单，然后选择 [**删除**] 按钮。

设置屏幕

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 <**Event** ( )> 选项卡。
2. 单击 <**事件设置**>。
3. 从 <**事件操作设置**> 中选择 <**面部探测**>。
4. 设置是否 <**启用**>。
5. 选择 <**灵敏度**> 选项卡以设置灵敏度级别。
   - 当灵敏度提高时，面部探测变得更靠近并且细腻。
6. 选择 <**地区**> 选项卡并在屏幕上拖动以定义所需的检测区域。您最多可以指定 4 个检测区域。

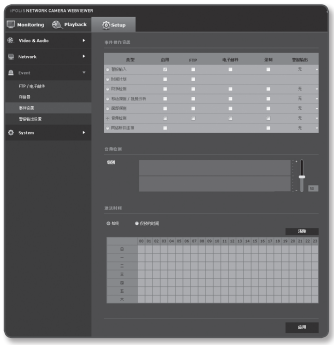
- 面部探测的条件如下所示：
- 面部探测只能应用于具有 QVGA (320x240) 分辨率的视频。
- 要能够探测，面部区域至少应该大于 20~40 像素。
- 在一帧图像中最多可以探测到 35 个面部，不能探测更多。

7. 要删除已定义的区域，请在选中 地区 选项卡时单击 [**清除**] 按钮。
8. 设置是否使用 <**探测规则重叠**>。
   探测到面部时，会在屏幕上以矩形标记其位置和大小。
9. 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 74 页）
10. 完成后，请单击 [**应用** (应用)]。

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 <Event ( )> 选项卡。
2. 单击 <**事件设置**>。
3. 从 <**事件操作设置**> 中选择 <**音频检测**>。
4. 设置是否 <**启用**>。
5. 选择音频探测的音量。
   音量越低，可探测到的声音变化越小。
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 74 页)
7. 完成后，请单击 [**应用** (应用)]。

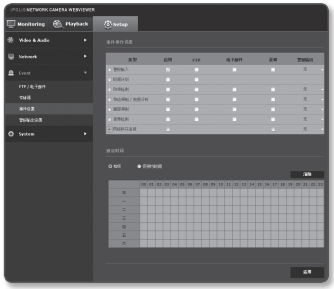


- 如果探测到的音量太低，请在 <**音频设置**> 中将音频输入增益设置为较高级别。
- 连接到外部音频输入设备时，请使用音频探测功能。

网络断开连接

您可以接收并保存物理上断开连接的网络的事件。

1. 从设置菜单，选择 <Event ( )> 选项卡。
2. 单击 <**事件设置**>。
3. 从 <**事件操作设置**> 中选择 <**网络断开连接**>。
4. 设置是否 <**启用**>。
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 74 页)
6. 完成后，请单击 [**应用** (应用)]。



设置屏幕

警报输出设置

1. 从设置菜单，选择 <Event ( )> 选项卡。
2. 单击 <**警报输出设置**>。
3. 设置摄像机的警报输出类型。
   - 如果您更改警报输出类型，监视页面上的警报输出按钮和事件设置页面上显示的警报输出类型会相应地更改。

- 类型
  - 常开：将传感器或警报输入设备“开路”状态视为正常，如果变成“闭路”状态则触发警报事件。
  - 常闭：将传感器或警报输入设备“闭路”状态视为正常，如果变成“开路”状态则触发警报事件。

4. 设置警报输出按钮。
   - 模式：设置警报输出方式。
     - 以下是在禁用时单击警报输出按钮时操作之间的差异。
     - 脉冲：在持续时间（切换间隔）指定的时间段内激活，然后自动变成不活动。
     - 活动/不活动： 它保持为已激活，直到用户再次单击按钮以使它不活动为止。
   - 转换条件：如果模式设置为脉冲，则设置保持激活的警报持续时间：1 到 15 秒。
5. 完成后，请单击 [**应用** (应用)]。

系统设置

产品信息

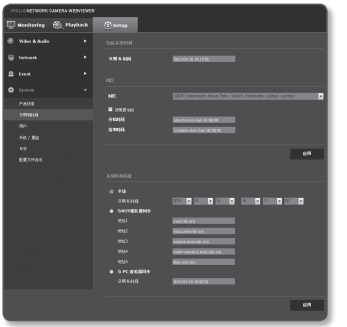
1. 从设置菜单，选择 <**System** ( )> 选项卡。
2. 单击 <**产品信息**>。
3. 检查摄像机信息，或根据网络环境提供详细信息。
   - 型号：产品的型号名称。
   - 序列号：产品序列号。
   - 设备名称：提供将在现场屏幕上显示的设备名称。
   - 位置：指定安装摄像机的位置。
   - 描述：提供有关摄像机位置的详细信息。
   - 备忘录：提供有关摄像机的说明以便更好理解。
   - 语言：选择 Web 查看器 OSD 的首选语言。

- 默认语言设置为 <**English**>。

4. 完成后，请单击 [**应用** (应用)]。

设置屏幕

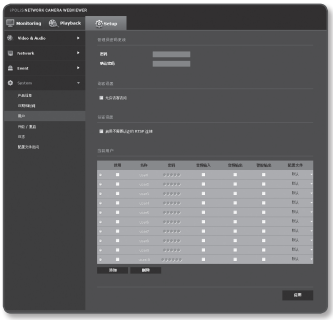
日期和时间



1. 从设置菜单，选择 <**System (**)> 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 服务器同步：与指定的服务器地址的时间同步。
     - 与 PC 查看器同步：设置为连接计算机的时间。
4. 完成后，请单击 [**应用 (** 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 <**System** ( )> 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。
   - 访客设置：如果选择了 <**允许访客访问**>，则访客帐户可以访问 Web Viewer 屏幕，但是只能查看 Live Viewer 屏幕。
     - 访客帐户的 ID/密码是 <**guest/guest**>，无法更改。
   - 认证设置：如果您选择了 <**启用不需要认证的 RTSP 连接**>，则您不需要登录就可以访问 RTSP 并查看视频。
   - 当前用户：如果您选择了 <**使用**>，则您可以设置或更改用户权限。
     - 管理员可以设置音频输入、音频输出和警报输出许可权。
     - 配置文件：如果您选择了 <**默认**>，则您只能查看默认配置文件视频；如果选择了 <**全部**>，则您可以查看全部配置文件视频。

- 可用于允许使用 ONVIF 功能的已注册用户的 ONVIF 功能限制为已授予许可权的那些用户。
- 视频传输和更改视频信息：将配置文件设置为 <**全部**>，并设置 音频输入 和 音频输出。
- 视频传输、更改视频信息、视频输出：将配置文件设置为 <**全部**>，并根据偏好选择其余内容。

4. 完成后，请单击 [**应用** (应用)]。

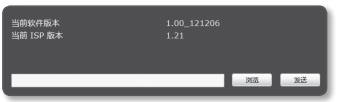
设置屏幕

升级 / 重启

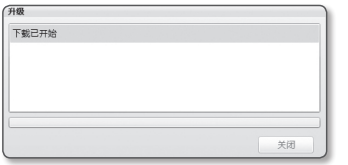
1. 从设置菜单，选择 <System ( )> 选项卡。
2. 单击 <**升级 / 重启**>。
3. 选择所需的项目并进行适当设置。
   - 升级：执行系统升级。
   - 出厂默认设置：将系统重置为出厂默认值。
     - 网络参数之外：重置除网络设置之外的所有设置。
     - 全部：重置包括摄像机设置在内的所有设置。(但是，将不重置日志信息）
       - 如果重置摄像机，IP 寻址系统将默认为 DHCP。如果未找到 DHCP 服务器，将自动恢复之前的设置。
   - 配置备份与恢复：在执行恢复流程之前，备份当前的系统设置。备份或恢复之后，系统会自动重新启动。
   - 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

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**]。



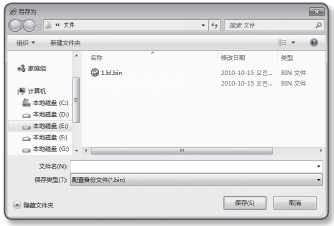
4. “**升级**”对话框出现，其底部将显示进度。
5. 完成升级之后，浏览器将会退出，并且摄像机会重新启动。



- 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

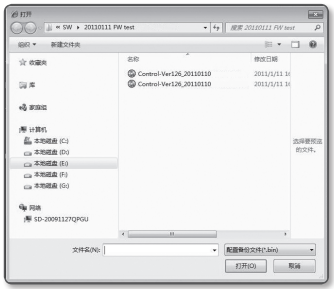
1. 单击 [**备份**]。
   另存为对话框将出现。
2. 指定备份路径及正确的文件名，然后单击 [**保存(S)**]。
   备份文件将以“**.bin**”格式保存到指定的路径。



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)**]。

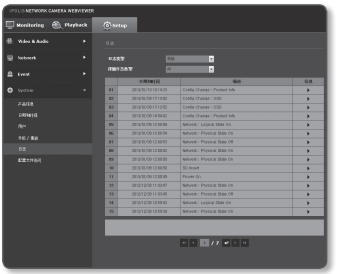
- 如果执行备份或恢复，Web 浏览器将关闭，且摄像机将重新启动。



设置屏幕

日志

可以检查系统日志或事件日志。

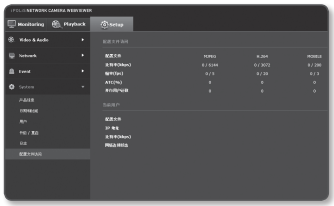


1. 从设置菜单，选择 <System ( )> 选项卡。
2. 单击 <**日志**>。
3. 选择日志类型。
   - 系统：您可以检查系统日志，其中记录了所有系统更改，包括时间信息。
   - 事件：可以检查事件日志，包括时间信息。
4. 从右边的日志列表，选择要搜索的项目。
   - 如果在左上角的下拉列表中选择了 <**All**>，将显示适用日志类型的所有日志。
5. 如果一页无法显示所有可用的日志，请使用底部按钮以移至前一个、下一个或最后项目。

- 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。

配置文件访问

您可以检查配置文件信息。



1. 从设置菜单，选择 <**System** ( )> 选项卡。
2. 单击 <**配置文件访问**>。
   - 配置文件访问：显示新添加的配置文件的信息。
     - 配置文件：显示新添加的编解码器的信息。
     - 比特率(kbps)：显示实际比特率和设置的比特率。
     - 帧率(fps)：显示实际帧速率和设置的帧速率。
     - ATC(%)：显示 ATC 状态。
     - 并行用户计数：显示访问配置文件的并行用户数。
   - 当前用户：显示有关用户访问 Web Viewer 的信息并显示监视视频。
     - 配置文件：显示用户访问的配置文件的名称。
     - IP 地址：显示当前用户的 IP 地址。
     - 比特率(kbps)：显示当前比特率。
     - 网络连接状态：您可以检查网络连接状态。

■ 要检查有关当前使用的配置文件的信息，请再次单击 <**配置文件访问**> 以刷新它。

附录

规格

项目		说明
视频	成像设备	1/3 英寸 3.1M PS CMOS
	总像素数	2,064(水平) X 1,578(垂直)
	有效像素数	2,052(水平) X 1,536(垂直)
	扫描系统	逐行扫描
	最低照度	彩色：0.7 勒克司（F1.2, 50IRE）、0.011 勒克司（感光度 60X） 黑白：0 勒克司（F1.2, 50IRE, 红外 LED 亮起）
	S/N 比率	50dB
	视频输出	CVBS：1.0 Vp-p / 75Ω 复合，704x480(N)，704x576(P)，供安装使用
镜头	焦距(变焦比率)	3~8.5 毫米 (2.8X) 电动变焦
	最大孔径比	F1.2
	视野角度	H : 87.3°(广角)~31.2°(望远)，V : 64.5°(广角)~23.4°(望远)
	最短物距	0.5 m
	聚焦控制	手动，简单对焦
	镜头类型	直流自动光圈
	安装类型	内置板类型
操作	红外 LED	32 个
	可视长度	30 米
	摄像机标题	关/开（最多显示 15 个字符）
	日夜	自动（ICR)/彩色/黑白/外部
	背光补偿	关/背光补偿/强光抑制/宽动态
	宽动态	关 / 开 (96dB) 3M 模式：20fps，2M 模式：30fps
	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	-

项目		说明
操作	移动探测	关/开（4 个矩形区域）
	隐私遮挡	关/开（1 个 4 点多边形区域 + 16 个矩形区域）
	感光度(倍率)	关/自动（2X ~ 60X）
	AGC(自动增益控制)	关/低/中/高
	白平衡	自动追踪白平衡/自动控制白平衡/手动/室内/室外
	电子快门速度	自动/防闪烁/手动（1/30 ~12,000秒）
	数字变焦	-
	翻转/镜像	关/开
	智能视频分析	音频检测，面部检测，场景变化，虚拟线，进入/退出，出现/消失
	警报 I/O	数字输入 1个 / 输出 1个
	遥控器接口	-
	RS-485 协议	-
	警报触发	移动探测，视频分析，传感器输入
	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
网络	以太网	RJ-45 (10/100BASE-T)
	视频压缩格式	H.264, MJPEG
	分辨率	<3M 模式> 2048x1536 / 1920x1080 /1600x1200/ 1280x1024 /1280x960 / 1280x720 /1024x768/ 800x600 / 800x450 / 640x480 / 640x360 / 320x240 / 320x180 <2M 模式> 1920x1080 / 1280x1024 / 1280x960 / 1280x720 /1024x768/ 800x600 / 800x450 / 640x480 / 640x360 / 320x240 / 320x180

附录

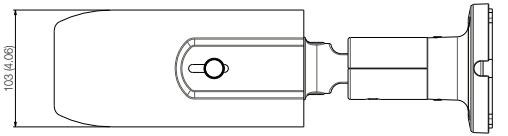
项目		说明
网络	最大帧速率	<3M 模式> * H.264：所有分辨率都是最高 20 fps * MJPEG：800x600 ~ 320x180 - 20 fps, 1024x768 ~ 1920x1080 - 15 fps, 2048x1536 - 10 fps <2M 模式> * H.264：所有分辨率都是最高 30fps * MJPEG：800x600 ~ 320x180 - 30 fps, 1024x768 ~ 1920x1080 : 15 fps
	智能编码	是（基于所有区域的方法）
	视频质量调整	H.264：压缩级别、目标比特率级别控制 MJPEG：质量级别控制
	比特率控制方法	H.264：CBR 或 VBR MJPEG：VBR
	流能力	多流（最多 6 个配置文件）
	音频 I/O	麦克风/线性输入，线性输出
	音频压缩格式	G.711, 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, 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

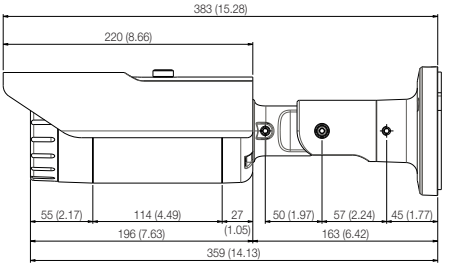
项目		说明
网络	流方法	单播/多播
	最大用户访问量	单播模式下 10 个用户
	内存插槽	SD/SDHC 内存插槽 (4GB 内存)
	ONVIF 一致	是
	语言	英语、法语、德语、西班牙语、意大利语、中文、韩文、俄语、日语、瑞典语、丹麦语、葡萄牙语、捷克语、波兰语、土耳其语、罗马尼亚语、塞尔维亚语、荷兰语、克罗地亚语、匈牙利语、希腊语、挪威、芬兰
	Web 查看器	支持的操作系统 : Windows XP / Vista / 7、Mac OS X 10.7 或更高版本 支持的浏览器 : Internet Explorer 7.0 或更高版本、Firefox 9.0 或更高版本、Chrome 15.0 或更高版本、Safari 5.1 或更高版本
	中央管理软件	NET-i viewer，Samsung Security Manager
环境	工作温度/湿度	AC 24V：-50°C ~ +55°C (-58°F ~ +131°F) / 低于 90% RH DC 12V，PoE：-10°C ~ +55°C (+14°F ~ +131°F) / 低于 90% RH * 采用 AC 电源输入时，加热器才工作。
	贮藏温度/湿度	-30°C ~ +60°C (-22°F ~ +140°F) / 低于 90% RH
	进入保护	IP 66 级（防水）
	防破坏	IK10
电气	输入电压/电流	DC 12V、AC 24V、PoE(IEEE802.3af，Class3)
	功耗	最大 12.95W（DC 12V、AC 24V、PoE – 加热器关） 最大 18.5W（AC 24V - 加热器开）
机械	颜色/材料	深灰色/金属
	尺寸 (宽 x 高 x深)	宽 114.0 x 高 114.0 x 深 383.0 毫米
	重量	1.83公斤

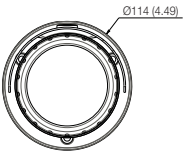
附录

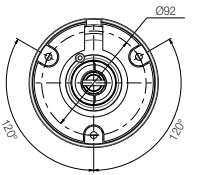
产品视图

单位：毫米(英寸)









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。

附录

故障	解决方法
<事件设置> 的 <移动探测/视频分析> 设置为 <开>，但是我没有收到通知电子邮件，即使分析事件已发生也是如此。	• 按以下顺序验证设置： A. 检查 <日期和时间> 设置。 B. <移动探测 / 视频分析> 应设置为 <启用>。 C. 检查 <事件操作设置> 菜单的 <电子邮件> 选项是否选择为使用。
即使我未使用 <移动探测视频分析>，是否也可以定义事件规则?	• 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 <Setup> → <Event> → <存储器> 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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The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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- Version 1.1

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