

SAMSUNG TECHWIN

网络摄像机 用户手册

SNB-5001/SNB-7001



网络摄像机

用户手册

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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。

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。

Class I 构造

具有 CLASS I 构造的设备应连接到具有保护接地连接的电源插座。

电池

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

断开设备

如果设备出现故障,请拔下其电源插头。并请致电当地的维修人员。

当在美国以外使用时,可以利用所用的 HAR 代码和许可代理机构的接待处。

注意

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。

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。

概述

3

- 3 重要的安全说明
- 9 产品特色
- 9 推荐 PC 技术规格
- 10 随机提供的物品
- 11 简图

安装与连接

14

- 14 安装镜头
- 16 与其他设备连接

网络连接和设置

19

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

概述

WEB 查看器

32

- 32 连接到摄像机
- 33 登录
- 34 安装 STW WebViewer 插件
- 35 使用现场屏幕

设置屏幕

37

- 37 设置
- 37 与视频设置
- 47 网络设置
- 55 事件设置
- 62 系统设置

附录

68

- 68 规格
- 73 产品视图
- 74 故障排除
- 75 Open Source Announcement
- 76 License
- 79 GPL/LGPL Software License

产品特点

- **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输至用户指定的电子邮件或 FTP 服务器。

- **视频移动探测**

从视频中探测移动，探测到便触发事件。

- **屏幕更改检测功能**

如果以任何方式中断监视，摄像机将触发事件警报。

- **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(R) Core(TM)2 2.4 GHz 或更高
- 操作系统: Windows XP、VISTA、Windows 7、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 或更高版本、Firefox 9 或更高版本、Chrome 15 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。
- 显存: 256MB 或更大

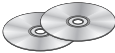


- 如果显卡的驱动程序未正确安装或不是最新版本，则视频可能无法正确播放。
- 对于至少涉及 2 个监视器的多监视系统，播放性能可能会下降，具体视系统而定。

概述

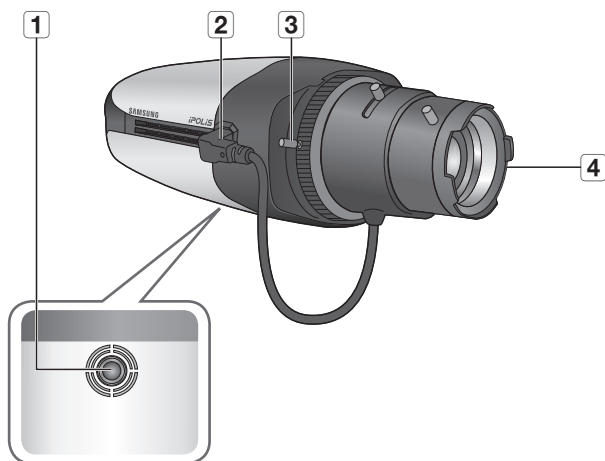
随机提供的物品

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	
	用于测试显示器的电缆	1	用于测试摄像机至便携式显示设备的连接
	警报电缆	1	用于连接至警报输入
	C 安装适配器	1	用于安装 C 安装摄像机镜头
镜头选项(未包括)			
	CS/C 镜头		将插入摄像机的可选镜头

筒图

前面



项目	说明
1 安装支架螺钉孔	用于将摄像机固定在安装支架上。 螺钉尺寸：使用此螺钉来固定安装支架。 1/4 英寸 -20UNC(20THREAD/1") 长度：4.5±0.2 毫米（ISO 标准），或 0.197 英寸（ASA 标准） 
2 自动光圈镜头连接器	用于电源和输出信号控制镜头光圈。

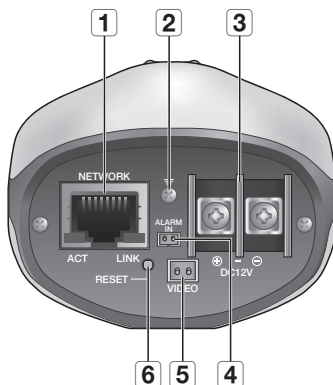
概述

项目	说明
3 FBL 杆	根据镜头调整 FBL(后焦距)值。
4 自动光圈镜头 (可选)	安装在镜头适配器上。



- 用擦镜布或蘸有乙醇的布块轻轻擦拭透镜去除表面脏污。
- 未随附安装支架。
有关使用安装支架的更多信息，请参阅产品的文档。

背面



项目	说明
1 网络端口	用于连接 PoE 或 LAN 电缆。
2 照明保护性接地端口	用来在外部安全地断开照明电路以保护摄像机。
3 电源端口	用于插入电源线。
4 警报输入端口	用于连接警报输入信号。
5 视频输出端口	模拟视频输出端口。（供安装使用）
6 重置按钮	将摄像机设置重置为默认值。 按住约 5 秒钟可重启系统。 ■ 如果复位摄像机，则会调整网络设置，以便可以启用 DHCP。如果网络中没有 DHCP 服务器，则必须运行 IP Installer 程序更改基本的网络设置，如 IP 地址、子网掩码、网关等，然后才能连接到网络。

安装与连接

安装镜头

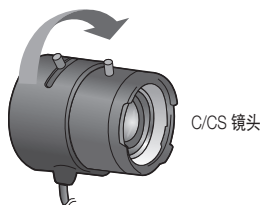
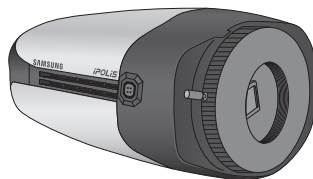
在安装前要断开电源。



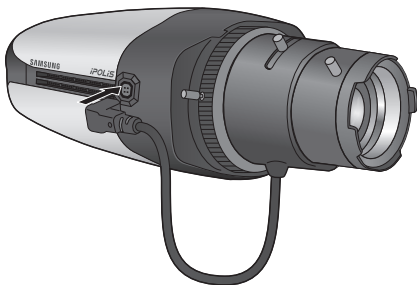
■ 产品包装内未包括 C 镜头和 CS 镜头。

在 C/CS 支架安装式摄像机上安装镜头

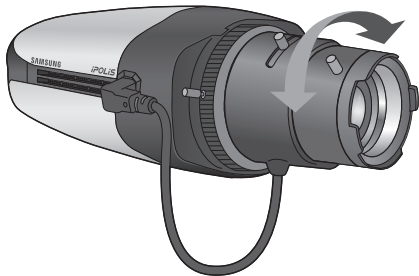
1. 将镜头放入安装螺钉孔并将其顺时针旋转。拧紧螺钉。然后，它旋转至 SLIP 模式。



2. 顺时针旋转它，直到它接触阻滞器才停止。
3. 此时您可以从停止点逆时针转动它以将它旋转至 Slip 模式，在范围内调节角度至您喜欢的角度。
4. 将镜头电缆连接至摄像机接头。



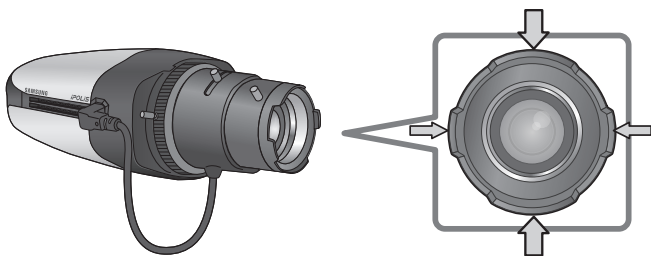
5. 使用对焦杆和缩放杆来调节缩放系数和焦点。然后，将镜头与摄像机固定在一起。



使用有罩的镜头

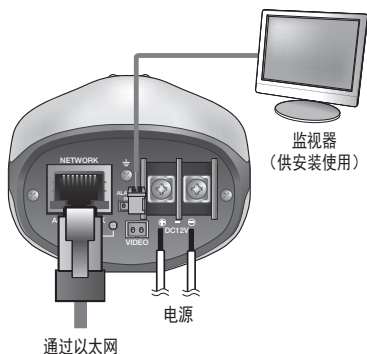
圆罩安装在摄像机镜头上,用于避免流光/重影/光线传播。如果安装不当,则可能会导致屏幕上有阴影。

安装罩子的效果,应该使得它的宽侧垂直放置,窄侧水平放置。



安装与连接

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。



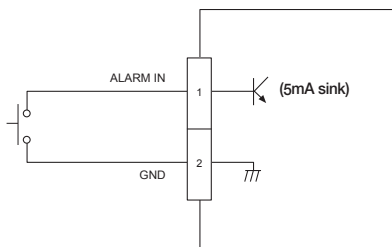
- 如果同时供应 PoE 和 DC12V，将采用来自 PoE 的电源为产品供应。
 - 您也可以使用具有 PoE (以太网供电) 功能的路由器为摄像机供电。
 - 使用符合 IEEE802.3af 协议的 PoE (以太网供电)。
 - 仅可使用 PoE 和 DC12V 的电源之一。

- 在连接电源线时，切勿弄反极性。
 - 安装完成后，请连接电源适配器。
 - 如下表中所示，根据铜线长度，您可能会遇到电压暂降。如果您使用极长的铜线来连接摄像机，摄像机可能无法正常工作。

[20°C (68°F)] 时铜线的电阻

铜线电表 (AWG)	#24(0.22mm ²)	#22(0.33mm ²)	#20(0.52mm ²)	#18(0.83mm ²)
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

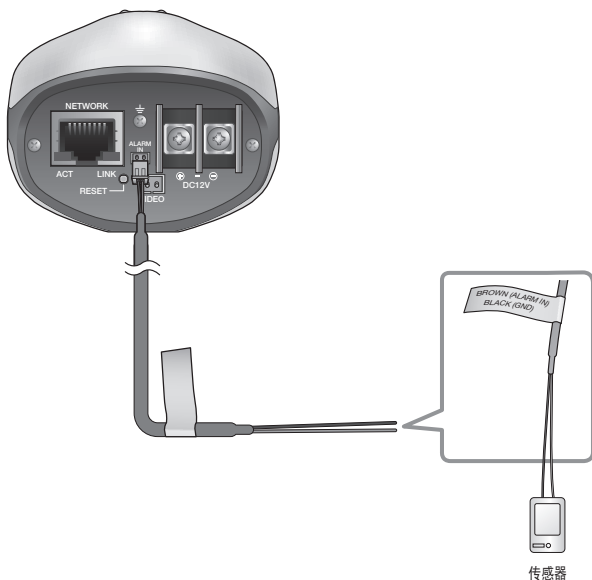
警报输入接线图



安装与连接

连接至警报输入端口

将警报线连接至后面板中的 ALARM IN(警报输入)端口。



端口	说明	端口	说明
ALARM IN	警报输入传感器端口	GND	传感器的 GND 端口

连接外接传感器

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

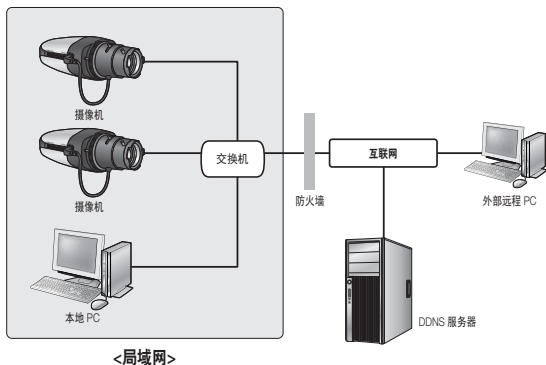
网络连接和设置

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

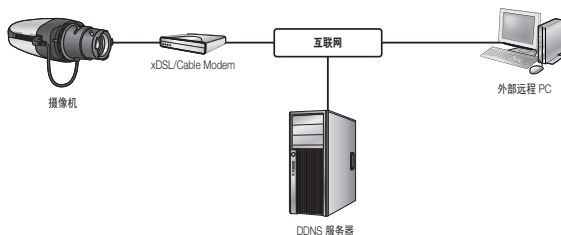
1. 启动本地 PC 上的网络浏览器。
2. 在浏览器的地址栏中输入 IP 地址。



- 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 24 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

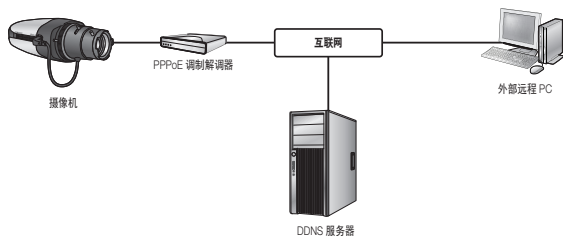


1. 使用交叉 LAN 电缆将网络电缆直接连接至您的 PC。
2. 运行 IP Installer 并更改摄像机的 IP 地址，以便可以使用桌面上的 Web 浏览器连接至互联网。
3. 使用互联网浏览器连接至摄像机。
4. 移至 [设置] 页面。
5. 移至 [网络] - [DDNS] 并配置 DDNS 设置。
6. 移至 [网络] - [接口]，并将网络类型设置为 [DHCP]。
7. 将摄像机（已从您的 PC 上拔下）直接连接至调制解调器。
8. 重新启动摄像机。



- 有关注册 DDNS 设置，请参阅“注册 DDNS”。（第 49 页）
- 有关配置 DDNS 设置，请参阅“DDNS”。（第 48 页）
- 有关设置网络类型，请参阅“接口”。（第 47 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摄像机。
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。

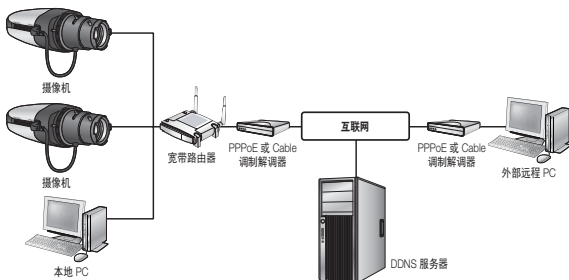


- 有关注册 DDNS 设置，请参阅“注册 DDNS”。（第 49 页）
- 有关配置 DDNS 设置，请参阅“DDNS”。（第 48 页）
- 有关设置网络类型，请参阅“接口”。（第 47 页）

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

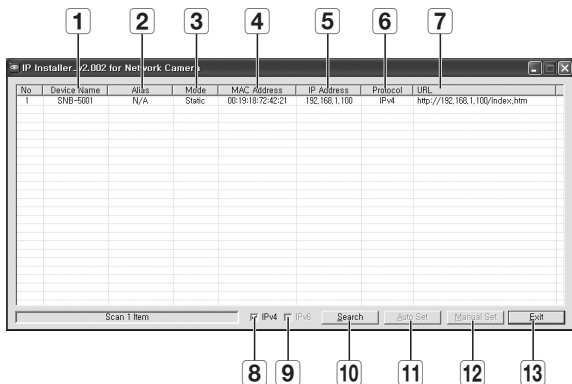
例3) 若宽带路由器的地址 (LAN IP) 为 192.168.xxx.1

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。
- 请参阅路由器设置的“**路由器端口设置**”章节。(第 29 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。 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

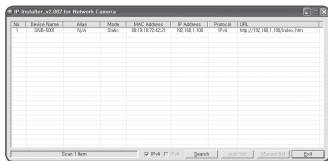
手动网络设置

运行 <IP Installer_vX.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。

- 从搜索列表中选一个摄像机。
找到摄像机后面标签上的 MAC (以太网) 地址。
将激活 [Auto Set] 和 [Manual Set] 按钮。
- 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。

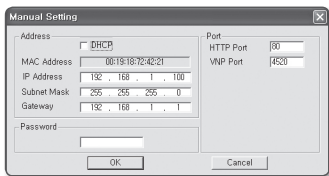


3. 在 <Address> 窗格中，提供必需的信息。

- MAC (Ethernet) Address：将自动设置适用摄像机的 MAC（以太网）地址，因此您无需手动输入。



- 只有在未选中 DHCP 复选框的情况下，才能配置静态 IP 设置。

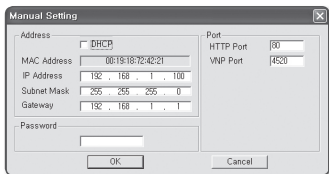


如果不使用宽带路由器

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。使用键盘更改 HTTP 端口值。
- VNP Port：用于控制视频信号传输，默认值为 4520。



5. 输入密码。

这是访问摄像机的“admin”用户的登录密码。
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 63 页）

6. 单击 [OK]。

将完成手动网络设置。

网络连接和设置

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。
- 请参阅路由器设置的“**路由器端口设置**”章节。（第 29 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	192.168.1.100	192.168.1.101
	Subnet Mask	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
端口相关设置	HTTP Port	8080	8081
	VNP Port	4520	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

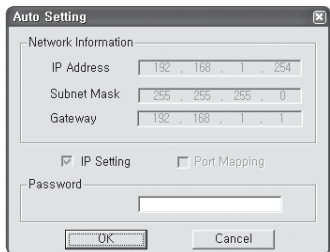
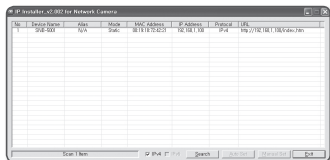
自动网络设置

运行 <IP Installer_vX.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. 从搜索列表选择一个摄像机。
找到摄像机后面标签上的 MAC (以太网) 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。
这是访问摄像机的“admin”用户的登录密码。
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 63 页)
4. 单击 [OK]。
将完成自动网络设置。



网络连接和设置

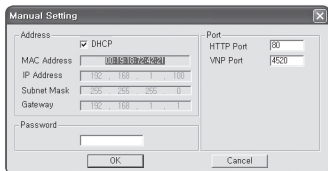
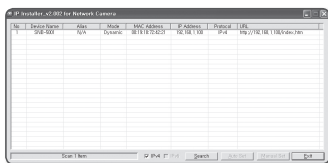
动态 IP 设置

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，以显示分配有列表中的 <Dynamic IP> 地址的摄像机。
2. 从列表中选择摄像机，然后单击 [Manual Set] 检查摄像机的 <Dynamic IP>。
如果取消选择 <DHCP>，您即可将 IP 更改为 <Static>。

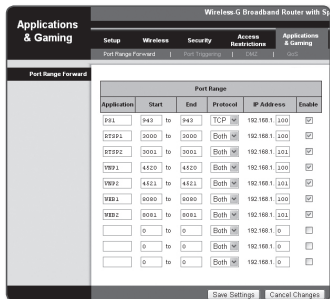


路由器端口设置

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设置菜单的 <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。



- 以上样本说明基于 CISCO 的宽带路由器 (型号: LINKSYS)。
- 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。

网络连接和设置

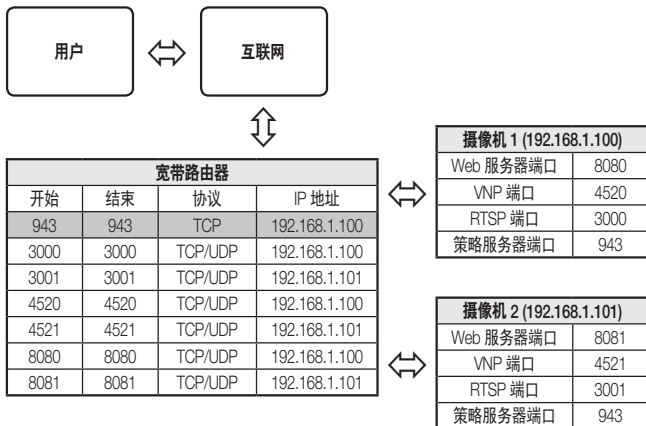
设置多个网络摄像机的端口范围前移

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:

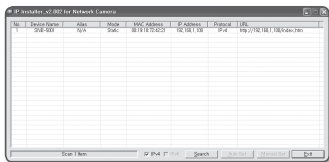


从共享的本地 PC 连接到摄像机

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。

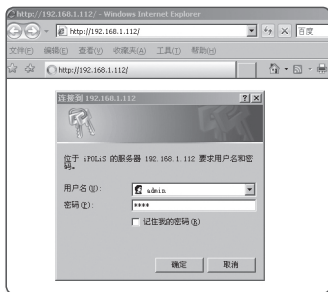
1. 您应该设置宽带路由器端口范围前移，然后才能访问宽带路由器网络中的摄像机。
2. 从远程 PC 启动互联网浏览器，并在地址栏中键入摄像机的 DDNS URL 地址，或宽带路由器的 IP 地址。
例) [http://www.samsungipolis.com/\[产品 ID\]](http://www.samsungipolis.com/[产品 ID])
有关注册 DDNS 设置，请参阅“注册 DDNS”。(第 49 页)

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。

要将 IP 地址添加到 <DDNS> 服务器,请访问 www.samsungipolis.com 并注册您的设备,再将 DDNS 选项设置为 <Samsung DDNS>,然后为 DDNS 服务器提供产品 ID。

登录

默认的用户 ID 为“admin”,默认密码为“4321”。

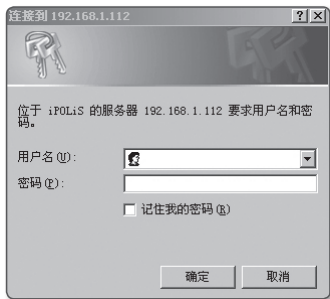
1. 在 <用户名(U)> 输入框中输入“admin”。
2. 在 <密码(P)> 输入框中输入“4321”。
如果更改了密码,请输入更改的密码。
3. 单击 [确定]。
如果已成功登录,您将会看到 Live Viewer 屏幕。



- 为安全起见,请确保在 <系统> - <用户> 中更改了密码。
管理员 ID,即“admin”是固定的,无法更改。
- 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。



web 查看器

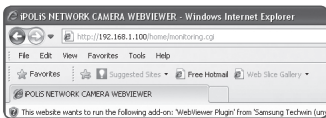
安装 STW WebViewer 插件

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。

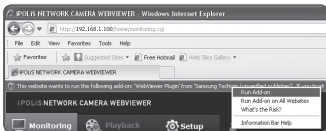


- 应该先在计算机上安装 Microsoft Visual C++ 2010 Redistribute Package, 然后才能安装 Web Viewer 插件。如果尚未安装, 您将看到以下错误消息: “There is no VC++ 2010 runtime installed. Please install the runtime library.”
运行安装 CD 中的 vcredist_x86.exe。

- 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。



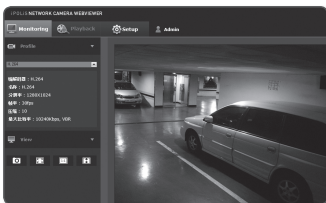
- 单击 <Run Add-on on All Websites>。



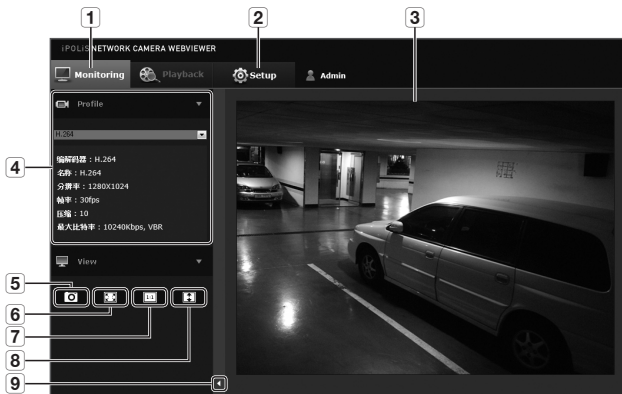
- 安全性警告弹出窗口将会出现, 单击 [Run].



- 正确安装 Web Viewer 插件之后, 将看到现场屏幕显示出来。



使用现场屏幕



项目	说明
1 正在监视	移至监视屏幕。
2 设置	移至设置屏幕。
3 查看器屏幕	显示屏幕上的现场视频。
4 配置文件类型	可以在 <视频> 设置菜单下的 <视频配置文件> 中选择配置文件类型。
5 捕捉	以 .bmp 或 .jpg 格式将快照另存为图像文件。
6 全屏	将当前视频切换至显示器的最大大小。
7 固定分辨率	将摄像机视频的分辨率设置为 640 x 480。再按一次它会切换回默认分辨率。

web 查看器

项目	说明
8 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。
9 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。



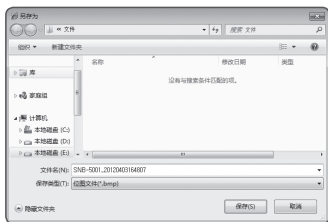
- 使用鼠标滚轮来控制数字变焦。

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. 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”。



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。

设置屏幕

设置

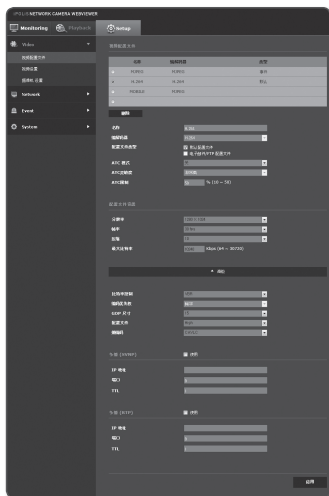
可以配置网络中的摄像机的视频、网络、事件和系统设置。

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

视频设置

视频配置文件

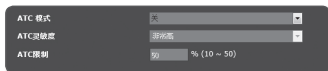
1. 从设置菜单，选择 <视频 (Video)> 选项卡。
2. 单击 <视频配置文件>。
3. 选择 <视频配置文件> 选项。
4. 单击每个项目的输入框，并输入/选择所需的值。
 - 上下文菜单可能因所选的编解码器类型而异。
 - 默认配置文件：这是默认视频配置文件。
 - 电子邮件/FTP配置文件：将传送到指定的电子邮件或 FTP 站点的视频配置文件。
 - 只能将 MJPEG 编解码器设置为电子邮件 /FTP 配置文件。



设置屏幕

5. 配置 ATC 模式设置。

- 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。



- 建议在配备符合 ATC 的摄像机的网络系统中启用 ATC。
- 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。

6. 完成后，请单击 [应用 (应用)]。



- 对于 SNB-7001，请选择并设置 <像素模式>。
您可以选择 <200万像素> 和 <300万像素>。如果您更改模式，则在应用更改之前会显示确认消息。

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。

- 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。
- 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: 您可以决定视频组长度。
(SNB-5001: 1~150, SNB-7001: 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 SNB-7001 提供此功能。

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。
 - 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 SVNP 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。

设置屏幕

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。

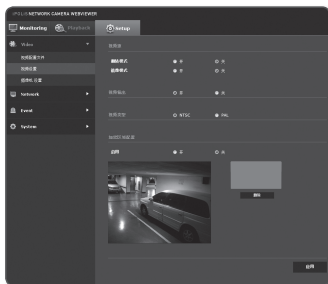
I 帧是压缩的基本帧,也称为关键帧,包含一幅完整图像的数据。P 帧仅包含与先前的 I 帧相比发生了变化的数据。

对于 H.264 编解码器,您可以决定视频组长度。

(SNB-5001: 1~150, SNB-7001: 200 万像素模式 - 1~150, 300 万像素模式 - 1~100)

视频设置

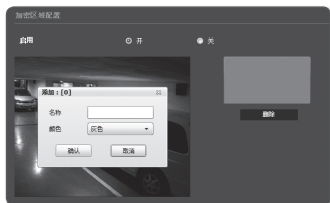
1. 从设置菜单,选择 <视频 ()> 选项卡。
2. 单击 <视频设置>。
3. 选择 <视频源> 模式。
 - 翻转模式: 使摄像机捕捉的图像上下翻转。
 - 镜像模式: 使摄像机捕捉的图像水平翻转。
4. 设置 <视频输出>。
 - 如果选择 <关>, 将不通过视频输出端口输出视频信号。
5. 选择视频类型。
6. 指定隐私区域。
7. 完成后, 请单击 [应用 ()]。



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。

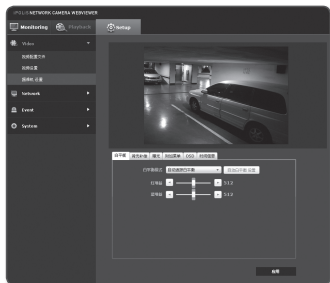
1. 将其设置为 <启用>。
2. 完成后，请单击 [应用 (应用)]。
3. 将光标放在视频的一个点上，然后将它拖到所需的任何部分。
4. 提供名称，然后按 [确定]。
5. 如果您要删除列表中的某个区域，请选择区域，然后单击 [删除 (删除)]。



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 <视频 (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：白平衡、背光补偿、曝光、附加菜单、OSD、时间信息
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

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。
它可在 1,800°K 与 10,500°K 之间的色温范围内使用。
- 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。
它可在 1,800°K 与 10,500°K 之间的色温范围内使用。（包括钠灯）
- 室内：根据室内环境进行优化，自动校正摄像机的视频颜色。
它可在 4,500°K 与 8,500°K 之间的色温范围内使用。



- 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. 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。



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。
 - 光圈：手动或自动调节摄像机的光圈。
 - 自动：根据设置，例如亮度和快门速度，将调节光圈。
 - 手动：固定为 全开。
 - 对于快门类型为 自动的摄像机，仅当将它设置为 **<手动>** 时，光圈才能正常操作。
 - 快门 模式：调整摄像机的电子快门。
 - 自动：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。
 - 快门 速度：手动控制快门速度。
 - SSNR：指定对于低对比度场景的背景降噪级别。



设置屏幕

- 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。
 - 如果多个具有不同配置文件的用户同时访问，则感光度限制为 x30。
- 感光度 倍率：在低对比度场景中工作条件设置为自动模式。
- 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。

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，将相应禁用自动白天/夜晚模式。
- 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。



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。

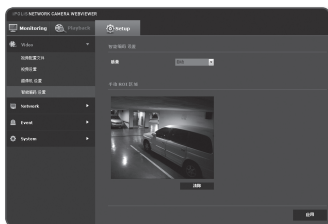


设置屏幕

智能编码 设置 (SNB-7001)

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 <视频 ()> 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()] 按钮。
6. 完成后,请单击 [应用 ()]。

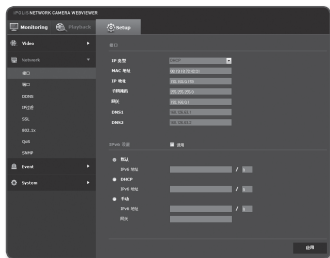


! ■ 如果在 <视频配置文件> 中将智能编解码器设置为 <关>, 则它不活动。(第37 页)

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。
 - 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。
4. 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。

设置屏幕

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。

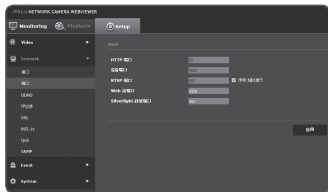
- 0 至 1023 之间的端口范围和端口 3702 都不可用。

- 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)。
- 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。



- 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)]。

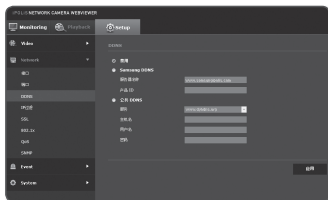


DDNS

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>。
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。



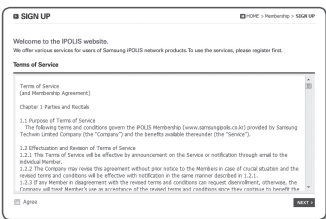
- 公共 DDNS：使用公共 DDNS 服务器时，可从所提供的公共 DDNS 服务器中选择一个。
 - 主机名：输入向 DDNS 服务器注册的主机的名称（即 Dyndns 的主机名）。
 - 用户名：输入 DDNS 服务的用户名。（即向 Dyndns 注册的用户 ID）
 - 密码：输入 DDNS 服务的密码。（即向 Dyndns 注册的密码）

5. 完成后，请单击 **[应用 (应用)]**。

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]**。

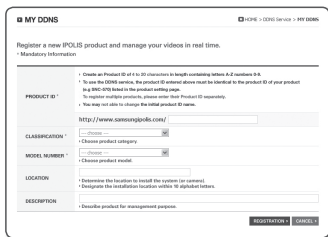
4. 输入产品 ID。

- 必须重复检查您输入的 ID。



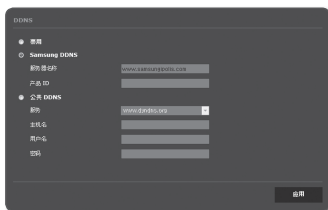
设置屏幕

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 (应用)]。
成功进行连接后，屏幕上将显示消息 <(成功)>。



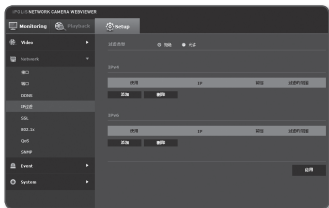
在摄像机设置中配置公共 DDNS

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)]。

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. 单击 **[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。



 ■ 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 (🗑️)]** 按钮。
7. 完成后，请单击 **[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 **<网络 (网络图标)>** 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：

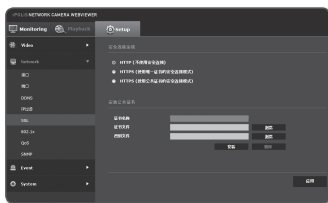
菜单 → 工具 → Internet 选项 → 高级 → 安全 → 取消选择 TLS 1.0 并选择 TLS 1.1、TLS 1.2>

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 (应用图标)]**。



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 (安装图标)]** 按钮。

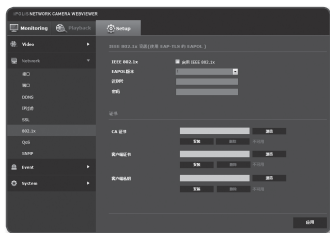
删除证书

1. 单击 **[删除 (删除图标)]** 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。
 - 识别号: 输入 EAPOL 识别号。
 - 密码: 输入 EAPOL 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 (🔍)]** 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 (🔧)]** 按钮以开始安装,并在项目旁边显示消息“已安装”。
4. 按 **[删除 (🗑️)]** 按钮以删除证书。

设置屏幕

QoS

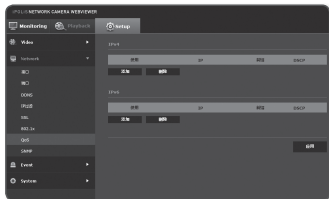
您可以指定优先级以确保特定 IP 的传输率稳定。

1. 从设置菜单，选择 **<网络 (🖥️)>** 选项卡。
2. 单击 **<QoS>**。
3. 单击 **[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 (🗑️)]** 按钮。
6. 完成后，请单击 **[应用 (📌)]**。

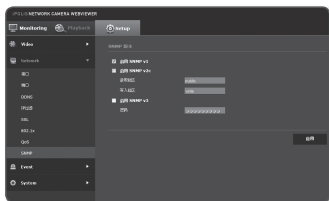


SNMP

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 **<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。

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 52 页)

事件设置

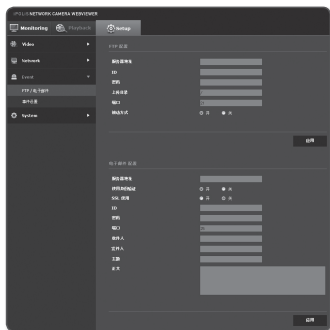
FTP / 电子邮件

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>。



设置屏幕

- 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 ()]。

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 <事件 (🔔)> 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。

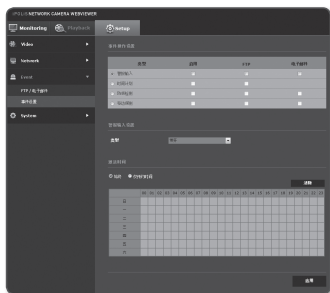
6. 指定 <激活时间>。

- 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，则激活时间无法更改。
- 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(🗑️)]: 取消选择已选项目。

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。

8. 完成后，请单击 [应用 (📁)]。

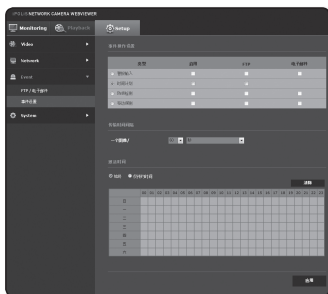


设置屏幕

时间计划

可以配置事件发生的时间,而不管事件的实际发生时间。

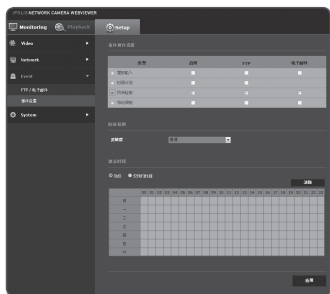
1. 从设置菜单,选择 <事件 (🔔)> 选项卡。
2. 单击 <事件设置>。
3. 从 <事件操作设置> 中选择 <时间计划>。
4. 设置是否 <启用>。
5. 指定 <传输时间间隔>。
6. 指定 <激活时间>。
 - 始终: 始终在设置的时间间隔内以运行的模式激活。
 - 仅预约时间: 在指定的时间和日期定期以运行的模式激活。
7. 指定激活条件。
 - FTP: 指定事件发生时 FTP 传输的使用。
8. 完成后, 请单击 [应用 (应用)]。



防拆检测

可以设置为当视频屏幕上的场景变化时触发事件。

1. 从设置菜单，选择 **<事件 (🔔)>** 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. 指定场景更改的检测灵敏度。
灵敏度越高，可以探测的变化越细微。
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 57 页）
7. 完成后，请单击 **[应用 (应用)]**。



- !** 在下列情况下，默认变化探测功能可能无法正常工作：
- 单色背景或夜晚/低照度场景可能会降低探测性能。
 - 摄像机摇晃严重或照明激烈变化会导致错误地视为场景变化。
 - 场景变化检测可能会在变化发生之后的一定时间（最多 3 秒）进行。
 - 一旦检测到场景变化，网络摄像机将继续在特定稳定性时间（大约 3 秒）之后继续标准操作，在此稳定性期间不会执行任何检测。

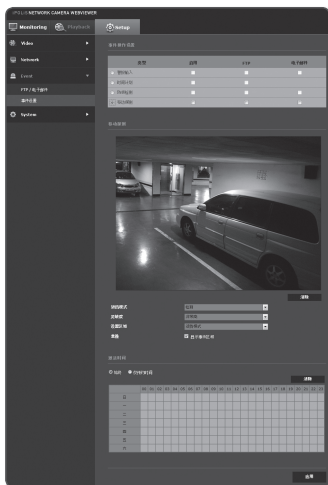
设置屏幕

移动探测

1. 从设置菜单，选择 <事件 ()> 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>。

❖ 移动探测

1. 设置是否 <启用>。
2. 将移动探测模式设置为遮挡。
 - 检测：检测可能在选定区域中发生的移动。
 - 遮挡：探测可能在选定区域以外其他区域发生的移动。
3. 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。
4. 使用拖放方法指定视频探测区域。
 - 遮挡模式：显示设置的区域。
 - 最小物体大小：设置可识别物体的最小区域。
对于小于物体最小大小的区域，将不会激活移动探测。
 - 最大物体大小：设置可识别物体的最大区域。
 - [清除 ()]：取消设置的区域。
5. 指定使用重叠。
6. 选择在探测到移动时是否标记相应的区域。
 - 选择 <显示事件区域> 以在屏幕上在探测到的移动物体上标记一个框。
7. 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 57 页)
8. 完成后，请单击 [应用 ()]。





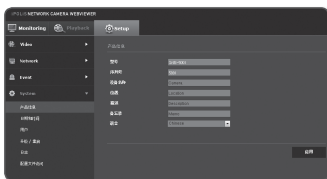
- 如果摄像机正在拍摄近距离物体，移动探测性能可能会下降。
在下列情况下，移动探测功能可能无法正常工作：
 - 拍摄对象的颜色或亮度与背景类似。
 - 由于场景变化或其他原因而导致多个动作连续不断地随机发生。
 - 固定的对象在一个位置连续不断地移动。
 - 对象隐藏在其他对象后面。
 - 2 个或更多对象重叠，或者 1 个对象被分成多个对象。
 - 对象速度太快（若要探测，一个对象应该在邻近的帧之间重叠）。
 - 由于太阳直射、照明或头灯等强光而出现反射 / 视线模糊 / 阴影。
 - 在大雪、大雨、大风或黎明 / 黄昏环境中。
- 如果将 <视频配置文件> 的 MJPEG 分辨率设置为 1280X720，在遮挡区域中，图像的上半部分和下半部分将被截断。此外，已经设置的遮挡区域可能也会出现为剪掉一部分。

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地理解。
 - 语言：选择 Web 查看器 OSD 的首选语言。

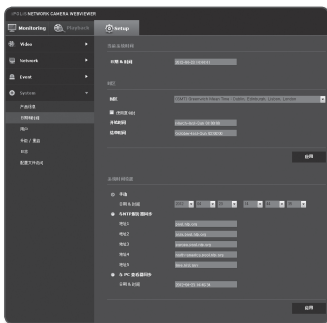


■ 默认语言设置为英语。

4. 完成后，请单击 [应用 (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 服务器同步：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 (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 (系统)> 选项卡。
2. 单击 <用户>。
3. 提供必要的用户信息。

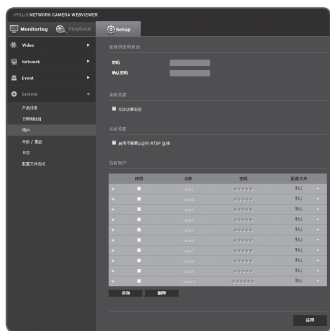
- 管理员密码更改：更改管理员的密码。
 - 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改密码。请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。

- 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。

■ 来宾帐户的 ID/密码为 guest/guest，ID 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。
 - 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。

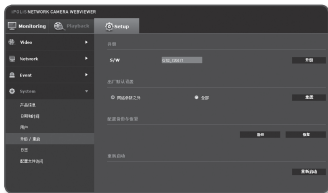
4. 完成后，请单击 [应用 (应用)]。



设置屏幕

升级 / 重启

1. 从设置菜单，选择 <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。

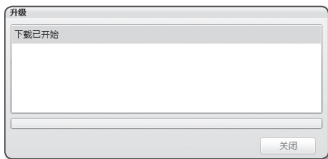


执行升级

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。

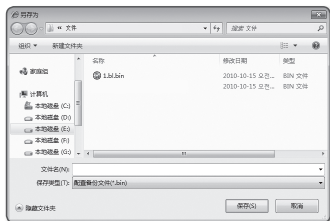


- 升级过程大约需要 20 分钟。如果强行终止升级流程，升级将无法正确完成。
- 可以从 Samsung 网站 (www.samsungcctv.com) 下载最新版本。



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。

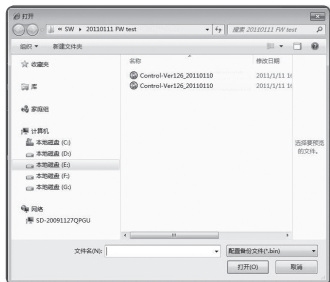


恢复备份设置

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。

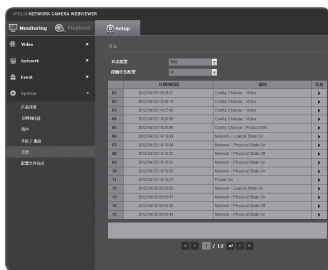
1. 从设置菜单，选择 <系统 (🔧)> 选项卡。
2. 单击 <日志>。
3. 选择日志类型。

- 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。

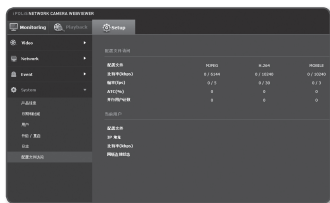


- 如果要查看日志的详细信息，请单击日志右列中的 [信息(🔍)]；日志信息将显示在底部窗格中。
- 每页显示 15 个日志，最新的日志显示在顶部。
- 事件/系统日志列表最多可包含 1000 个日志；之后，每当创建新日志时，将删除最旧的现有日志。

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 <系统 ()> 选项卡。
2. 单击 <配置文件访问>。
3. 选择日志类型。
 - 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：显示访问摄像机的所有用户的信息。
 - 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。



附录

规格

项目		说明	
		SNB-5001	SNB-7001
视频	成像设备	1/3 英寸 1.3M PS CMOS	1/2.8 英寸 3M PS CMOS
	总像素数	1,384(水平) X 1,076(垂直)	2,144(水平) X 1,588(垂直)
	有效像素数	1,329(水平) X 1,049(垂直)	2,096(水平) X 1,561(垂直)
	扫描系统	逐行扫描	
	最低照度	彩色/黑白 0.7 勒克司 (F1.2, 50IRE)	彩色/黑白: 0.4 勒克司 (F1.2, 50IRE)
	S/N 比率	-	
	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)	-	
	最大孔径比	-	
	视野角度	-	
	最短物距	-	
	聚焦控制	-	
	变焦移动速度	-	
	镜头类型	手动/直流自动光圈	
	安装类型	C/CS	

项目	说明	
	SNB-5001	SNB-7001
操作	摄像机标题	关/开(最多显示 15 个字符)
	日夜	自动(S/W)/彩色/黑白
	背光补偿	关/背光补偿
	宽动态	-
	对比度增强	-
	数字降噪	SSNR (关/开)
	数字图像稳定器	-
	移动探测	关/开 (4 个可编程区域, 20fps) 关/开 (4 个可编程区域, 2Mega 20fps, 3Mega 15fps)
	隐私遮挡	关/开 (12 个矩形区域)
	感光度 (倍率)	关/自动 (2X ~ 60X) (如果多个具有不同配置文件的用户同时访问, 则感光度限制为 x30。)
	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	防拆 (20fps) 防拆 (3M 15fps, 2M 20fps)
	警报 I/O	1 个输入
	遥控器接口	-
	RS-485 协议	-

附录

项目		说明	
		SNB-5001	SNB-7001
网络	以太网	RJ-45 (10/100BASE-T)	
	视频压缩格式	H.264、MJPEG	
	分辨率	1280x1024, 1280x720P(高清), 1024x768, 800x600, 640x480, 320x240	<3M 模式> 2048x1536, 1920x1080P(全 高清), 1600x1200, 1280x1024, 1280x960, 1280x720P(高清), 1024x768, 800x600, 800x450, 640x480, 640x360, 320x240, 320x180 <2M 模式> 1920x1080P(全高清), 1280x1024, 1280x960, 1280x720P(高清), 1024x768, 800x600, 800x450, 640x480, 640x360, 320x240, 320x180
	最大帧速率	H.264: 30fps MJPEG: 30fps(1280x1024), 30fps (720P 高清)	<3M 模式> * H.264: 所有分辨率都是最 高 20fps * MJPEG: 800x600 ~ 320x180 - 20 fps, 1280x1024 ~ 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, 1280x1024 ~ 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	

项目	说明	
	SNB-5001	SNB-7001
流能力	多流(最多 10 个配置文件)	多流(最多 5 个配置文件)
音频 I/O	-	
音频压缩格式	-	
音频通信	-	
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, ONVIF	
QoS	关/开	
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	
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 SP3、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、Chrome 15 或更高版本、Firefox 9 或更高版本、Safari 5.1 或更高版本	
中央管理软件	NET-i viewer	

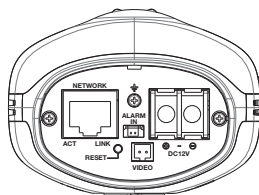
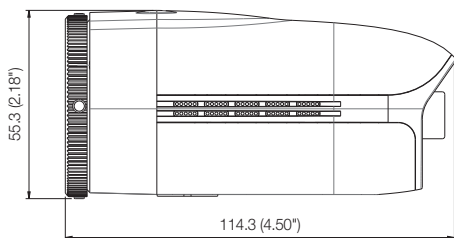
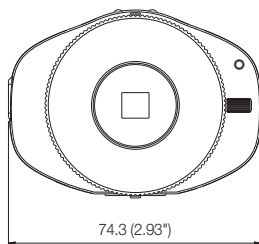
网络

附录

项目		说明	
		SNB-5001	SNB-7001
环境	工作温度/湿度	-10°C ~ +55°C (+14°F ~ +131°F) / 相对湿度 ~ 90%	
	贮藏温度/湿度	-30°C ~ +60°C / 相对湿度 ~ 90%	
	进入保护	-	
电气	输入电压/电流	12V DC, PoE(IEEE802.3af, Class2)	
	功耗	最大 3.7W (DC 12V), 最大 4.3W (PoE)	
机械	颜色/材料	黑色、银色/铝、塑料	
	尺寸(宽 x 高 x 深)	宽74.3 x 高55.3 x 深114.3 毫米 (宽2.93" x 高2.18" x 深4.50")	
	重量	170 克 (0.37 lb)	

产品视图

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。	• 在尝试使用选项卡浏览器连接系统时,使用的 cookie 信息相同,这导致了连接时出错。因此,打开新的浏览器窗口,而非使用选项卡浏览器来连接系统。
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。

Open Source Announcement

Some software components of this product incorporate source code covered under the BSD license as follows.

Component Name	License	License URL
lighttpd 1.4.25	BSD 2.0	http://www.opensource.org/licenses/bsd-license.html
librt 1.20	BSD 1.0	
net-snmp-5.4	BSD	http://www.net-snmp.org/about/license.html

lighttpd is a secure, fast, compliant, and very flexible web-server that has been optimized for high-performance environments. It has a very low memory footprint compared to other web servers and takes care of cpu-load. Its advanced feature-set (FastCGI, CGI, Auth, Output-Compression, URL-Rewriting and many more) make lighttpd the perfect webserver-software for every server that suffers load problems.

Simple Network Management Protocol (SNMP) is an Internet-standard protocol for managing devices on IP networks. It is used mostly in network management systems to monitor the devices attached to the network for conditions that need administrative attention. Net-SNMP is a suite of applications used to implement SNMP v1, SNMP v2c and SNMP v3 using both IPv4 and IPv6.

For more additional information, send email to help.cctv@samsung.com.

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Version 2.1, February 1999

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