

SAMSUNG TECHWIN

网络视频解码器 用户手册

SPD-400



网络视频解码器

用户手册

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- ✧ 设计和规格可能会随时更改, 恕不提前通知。
- ✧ 默认密码可能会向黑客公开, 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。

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是必须的具备充分的保护。
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)。

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。

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。

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产品特点

- **支持多格式解码**

网络视频解码器采用 H.264/MPEG-4/MJPEG 多格式解码器来解码并显示最多 4 个通过网络传输的视频流。

- **支持 Full-HD 视频显示**

支持的最高输出分辨率是 1920x1080，并提供 HDMI、VGA 和 CVBS (BNC) 输出端口用于显示。

- **警报监视**

在网络摄像机或编码器中发生事件时，监视显示屏幕会根据设置切换至对应的视频。

建议的计算机规格

- CPU : Intel(R) Core(TM)2 2.00 GHz 或更高
- 操作系统: Windows XP、VISTA、7
Mac OS
- 分辨率 : 1280X1024 像素或更高
- RAM : 1GB 或更高
- Web 浏览器: Internet Explorer 7.0 或 8.0、Firefox、Chrome、Safari
- 视频内存 : 128MB 或更高

概述

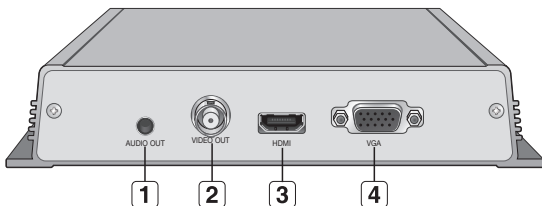
附带提供的物品

请检查产品包装内是否已包括视频解码器和所有附件。

外观	项目名称	数量	描述
	SPD-400	1	
	说明手册, 安装 CD	1	用户手册、IP Installer 软件程序
	快速指南	1	
	支架自攻螺钉	4	用于在墙壁上安装

简图

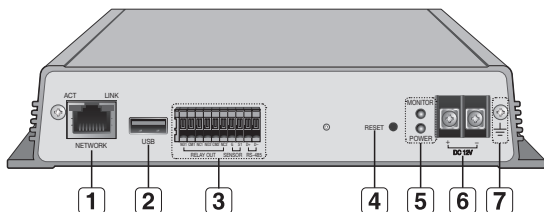
前面



项目	描述
1 AUDIO OUT	此端口根据设置输出来自通过网络连接的设备的选定音频。
2 VIDEO (CVBS) OUT	用于显示的 BNC 输出端口。 仅当选择了 CVBS 模式时,此端口才会输出视频。
3 HDMI	用于显示的 HDMI 输出端口。 仅当选择了 HDMI 或 VGA 模式时,此端口才会输出视频。
4 VGA	用于显示的 VGA 输出端口。 仅当选择了 HDMI 或 VGA 模式时,此端口才会输出视频。

概述

背面

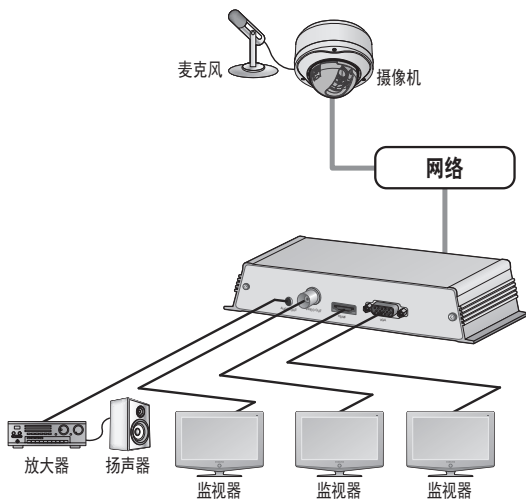


项目	描述	
1 NETWORK	用于连接 Ethernet 电缆。	
2 USB	此功能当前不可用。	
3 I/O 端口	RS-485 D+/D-	此功能当前不可用。
	NO1/NO2	警报输出(用于常开触点)
	CM1/CM2	警报输出(公用)
	NC1/NC2	警报输出(用于常闭触点)
	S1	警报输入传感器端口。
	G	外部信号的接地端口。
4 RESET	此按钮可初始化网络视频解码器设置,或选择监视器端口。 按住 5 秒钟或以上,系统指示灯便会关闭,初始化设置,然后重新启动。 按该按钮约 1 秒钟,MONITOR LED 颜色会随着视频输出模式变化而变化。	

项目	描述	
5 电源， 监视器 LED	MONITOR	指示视频输出模式。 绿色：HDMI 或 VGA 输出模式。 黄色：CVBS 输出模式。 ■ 要更改视频输出模式，请在 Web 查看器的视频设置中进行更改，或者按 [RESET] 按钮约 1 秒钟。
	POWER	亮起：当电源打开时。 熄灭：当电源关闭时。
6 电源端口	用于连接指定的电源。	
7 GND	用于接地。	

安装与连接

与其他设备连接



连接视频输出

将监视器连接至网络视频解码器的首选视频输出。



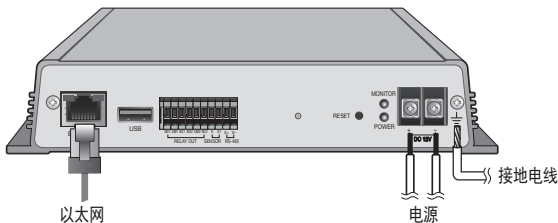
- 系统会根据在 Web 查看器的“**显示设置 > 监视器**”中配置的设置通过端口输出视频。
(第 37 页)
- 在 HDMI 或 VGA 输出模式下，如果监视器不支持所配置的分辨率，则显示可能无法正常显示。
- 按住 [RESET] 按钮约 1 秒钟可更改视频输出模式。
- MONITOR LED 会相应地更改其颜色。

连接音频输入/输出

1. 将麦克风连接至网络摄像机或编码器，并将对应设备的音频设置设置为 < 开 >。
2. 在视频解码器的单一布局设置中将网络音频设置设置为“开”，并在音频设置中选择其输出：线性输出或 HDMI 输出。请注意，仅当监视器输出设置为 HDMI 时，才能选择 HDMI 输出作为音频输出。
3. 使用线性输出时，请连接扬声器的 LINE IN 和网络视频解码器的 AUDIO OUT 端子。
4. 对于 HDMI 输出，请将 HDMI 监视器连接至 HDMI 端口。
 - 对于 HDMI 音频输出，需要具有内置扬声器的监视器。



- HDMI 音频可能会无法与某些特定的监视器配合使用。



以太网连接

将以太网电缆连接到本地网络或互联网。

安装与连接

电源

使用螺丝刀将每股电源线 (+, -) 连接到网络视频解码器的相应电源端口。



- 在连接电源线时，切勿弄反极性。
- 如果要连接外部设备，则必须先关闭外部设备再进行。

[20°C (68°F)] 时铜线的电阻

铜线电容量 (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

- 如上表中所示，您可能会遇到电压下降，具体视电线长度而定。
使用使用极长的线来连接网络视频解码器，网络视频解码器可能无法正常工作。
 - 网络视频解码器工作电压：直流 12V ± 10%
 - 上图中的电压降测量值可能会因铜线的类型和制造商而异。

使产品接地

使用螺丝刀将接地电线连接至电源插口旁边的 FG 螺钉。



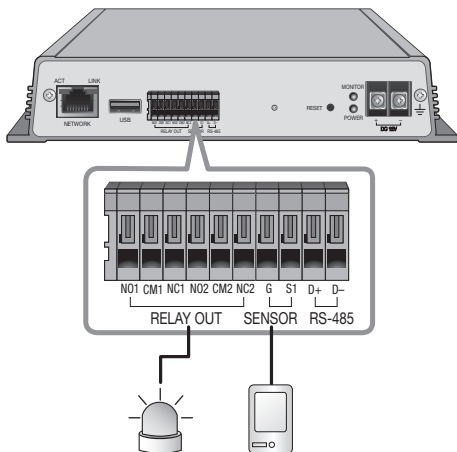
- 接地可让产品免遭电涌或闪电破坏。
- 接地时，请确保关闭产品的电源。

建议的接地电线

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

连接到 I/O 端口盒

将警报 I/O 信号连接到后面端口盒的相应端口。



连接警报输入

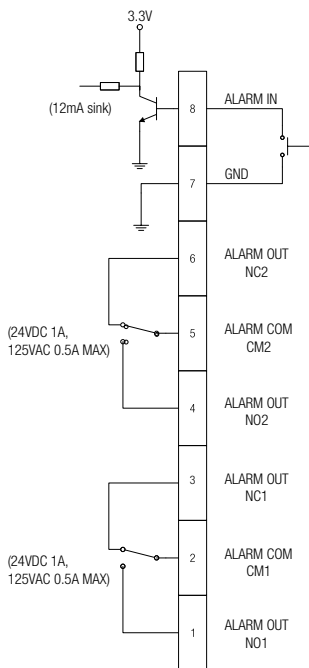
将适用传感器的一条信号线(2 条中的一条)连接至 [S1] 端口, 将另一条连接至 [G] 端口。

连接警报输出

将适用外部设备的一条信号线(2 条中的一条)连接至 [RELAY OUT(NC, NO)], 将另一条连接至 [CM] 端口。

安装与连接

警报 I/O 接线图



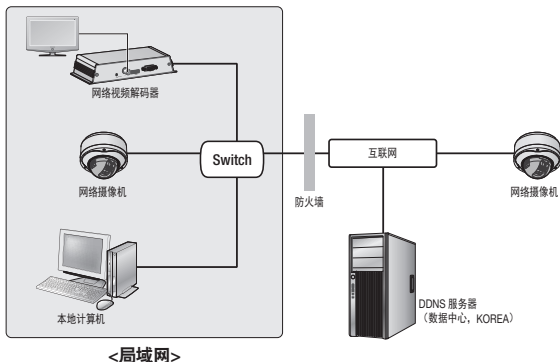
网络连接和设置

可以根据您的喜好配置网络视频解码器的网络设置。

在 LAN 环境中配置网络视频解码器

从同一 LAN 内的计算机访问网络视频解码器

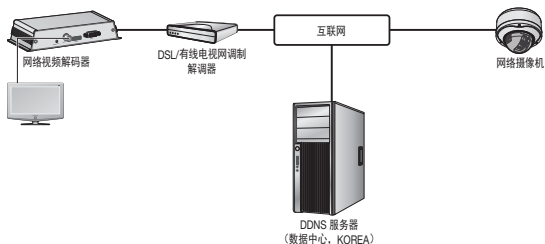
1. 在本地计算机上启动互联网浏览器。
2. 在浏览器的地址栏中输入网络视频解码器的 IP 地址。



- 如果设置了防火墙，LAN 网络之外的外部互联网中的远程计算机可能无法连接到内部网中安装的网络视频解码器。
在此情况下，要解决问题，请与网络管理员联系。
- 默认 IP 地址设置为 192.168.1.200。
要更改 IP 地址，请使用 IP Installer。
有关 IP Installer 用法的进一步详细信息，请参阅“静态 IP 设置”。（第 23 页）

网络连接和设置

将网络视频解码器直接连接至基于 DHCP 的 DSL/有线电视网调制解调器



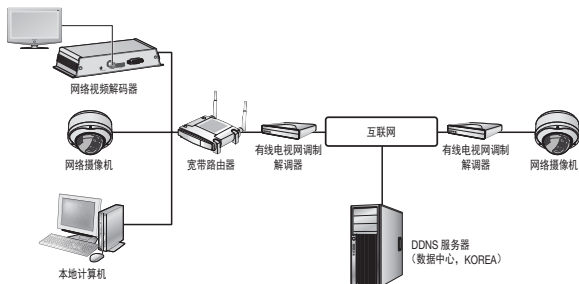
1. 使用交叉电线连接计算机与网络视频解码器。
2. 运行 IP Installer 并更改网络视频解码器的 IP 地址，以便可以使用桌面上的 Web 浏览器连接至互联网。
3. 使用互联网浏览器访问网络视频解码器。
4. 移至 [设置] 页面。
5. 移至 [网络] - [接口]，然后将 IP 类型设置为 [DHCP]。
6. 将网络视频解码器（已从您的计算机移除）直接连接至调制解调器。
7. 重新启动网络视频解码器。



■ 有关设置 IP 类型，请参阅“接口”。（第 39 页）

连接网络视频解码器与已连接至有线电视网调制解调器的宽带路由器

此项用于家庭、SOHO 和普通商店等小型网络环境。



配置连接至宽带路由器的本地计算机的网络设置

按照下面的说明,配置连接至宽带路由器的本地计算机的网络设置。

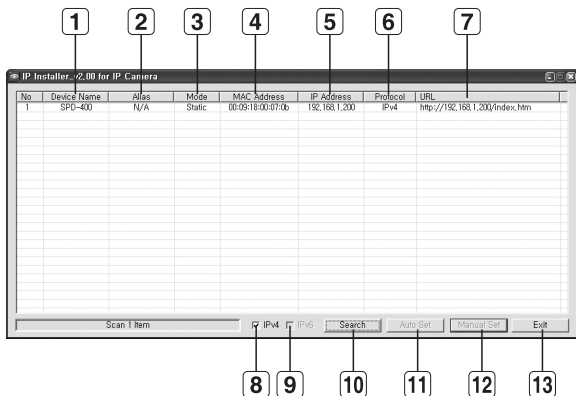
- 选择：<Network Neighborhood> → <Properties> → <Local Area Connection> → <Properties> → <General> → <Internet Protocol (TCP/IP)> → <Properties> → <Obtain an IP address automatically> 或 <Use the following IP address>。
- 如果您选择 <Use the following IP address>, 请按照下面的说明操作：
 - 示例 1) 如果宽带路由器的地址 (LAN IP) 是 192.168.1.1
 IP 地址: 192.168.1.200
 子网掩码: 255.255.255.0
 默认网关: 192.168.1.1
 - 示例 2) 如果宽带路由器的地址 (LAN IP) 是 192.168.0.1
 IP 地址: 192.168.0.200
 子网掩码: 255.255.255.0
 默认网关: 192.168.0.1
 - 示例 3) 如果宽带路由器的地址 (LAN IP) 是 192.168.xxx.1
 IP 地址: 192.168.xxx.200
 子网掩码: 255.255.255.0
 默认网关: 192.168.xxx.1



- 有关宽带路由器的地址, 请参阅产品的文档。

网络连接和设置

在 IP INSTALLER 中使用的按钮



项目	描述
1 Device Name	所连接网络设备的型号名称。 单击该列可以按型号名称对列表进行排序。 但是,如果在搜索期间单击该列,搜索将会停止。
2 Alias	此功能当前未实现。
3 Mode	对当前网络连接状态显示 <Static> 或 <Dynamic>。
4 MAC(Ethernet) Address	所连接网络设备的以太网地址。 单击该列可以按以太网地址对列表进行排序。 但是,如果在搜索期间单击该列,搜索将会停止。
5 IP Address	IP 地址。 单击该列可以按 IP 地址对列表进行排序。 但是,如果在搜索期间单击该列,搜索将会停止。 出厂默认值是“192.168.1.200”。
6 Protocol	网络设备的网络设置。 出厂默认值是“IPv4”。 使用 IPv6 设置的网络视频解码器将显示“IPv6”。

项目	描述
7 URL	显示 URL 地址。
8 IPv4	扫描使用 IPv4 设置的网络设备。
9 IPv6	扫描使用 IPv6 设置的网络设备。 在符合 IPv6 的环境中激活。
10 Search	扫描当前连接至网络的网络设备。 但是,如果既未选择 IPv4 又未选择 IPv6,则此按钮将会变灰。
11 Auto Set	IP Installer 自动配置网络设置。
12 Manual Set	您应该手动配置网络设置。
13 Exit	退出 IP Installer 程序。



■ 对于 IP Installer, 请仅使用在安装 CD 中提供的安装程序版本。

静态 IP 设置

手动网络设置

运行 <IP Installer_vX.XX.exe> 以显示网络设备搜索列表。

初次启动时, [Auto Set] 和 [Manual Set] 都会变灰。



■ 对于使用 IPv6 设置的网络设备, 这些按钮将变灰, 因为这些网络设备不支持此功能。

1. 从搜索结果中选择网络设备。

查找在网络设备背面标注的 MAC
(以太网) 地址。

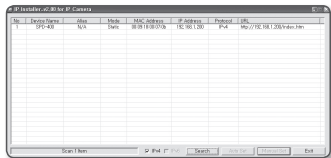
将会激活 [Auto Set] 和 [Manual Set]
按钮。

2. 单击 [Manual Set]。

“手动设置”对话框将会出现。

将会显示网络设备的 <IP Address>、

<Subnet Mask>、<Gateway>、<HTTP Port> 和 <VNP Port> 的默认值。



网络连接和设置

3. 在 <Address> 窗格中，提供必要的信息。

- MAC (Ethernet) Address : 将自动设置适用网络设备的 MAC(以太网)地址, 因此您无需手动输入。



- 仅当未选中 DHCP 复选框时，才能设置静态 IP 设置。

The 'Manual Setting' dialog box has two main sections. The left section, titled 'Address', contains a 'DHCP' checkbox (which is unchecked), a 'MAC Address' field with the value '00:08:18:00:07:0b', and fields for 'IP Address' (192, 168, 1, 200), 'Subnet Mask' (255, 255, 255, 0), and 'Gateway' (192, 168, 1, 1). There is also a 'Password' field. The right section, titled 'Port', contains 'HTTP Port' (80) and 'VNP Port' (1234). At the bottom are 'OK' and 'Cancel' buttons.

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。

示例) 192.168.1.2~254、
192.168.0.2~254、
192.168.XXX.2~254

- Subnet Mask : 宽带路由器的 <Subnet Mask> 将是网络视频解码器的 <Subnet Mask>。
- Gateway : 宽带路由器的 <Local IP Address> 将是摄像机的 <Gateway>。

The 'Setup' dialog box has tabs for 'Setup', 'Wireless', 'Security', 'Access Restrictions', and 'Applications & Gaming'. The 'Setup' tab is active, showing 'Internet Setup' and 'Network Setup' sections. Under 'Internet Setup', 'Internet Connection Type' is set to 'Automatic Configuration - DHCP'. Under 'Network Setup', 'Router IP' is shown with 'Local IP Address' (192, 168, 1, 1) and 'Subnet Mask' (255, 255, 255, 0) highlighted with a red box.



- 这些设置可能会因所连接的宽带路由器型号而异。有关更多信息，请参阅适用路由器的用户手册。

如果不使用宽带路由器

若要设置 <IP Address>、<Subnet Mask> 和 <Gateway>，请与网络管理员联系。

4. 在 <Port> 窗格中，提供必要的信息。

- HTTP Port : 用于使用互联网浏览器访问网络设备，默认为 80。使用旋钮更改 HTTP Port 值。
- VNP Port : 用于控制从网络摄像机或编码器传输的视频。网络视频解码器的 VNP Port 不需要配置。默认值是 1234 且无法修改。

This is a duplicate of the 'Manual Setting' dialog box shown in the first image. It contains fields for MAC Address, IP Address, Subnet Mask, Gateway, Password, HTTP Port (80), and VNP Port (1234).

5. 输入密码。

这是访问网络设备的“admin”用户的登录密码。

默认密码是“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。

6. 单击 [OK]。

手动网络设置即告完成。

如果网络视频解码器连接至宽带路由器

配置 IP 和端口相关设置, 这些设置应各不相同。

类别		解码器 #1	解码器 #2
IP 相关设置	IP Address	192.168.1.200	192.168.1.201
	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



- 如果 <HTTP Port> 设置为 80 以外的值，则必须在互联网浏览器的地址栏中提供 <Port> 号，然后才能访问网络视频解码器。

示例) http://IP 地址: HTTP Port

http://192.168.1.200:8080

网络连接和设置

自动网络设置

运行 <IP Installer_vX.XX.exe> 以显示网络设备搜索列表。

初次启动时, [Auto Set] 和 [Manual Set] 都会变灰。



- 对于使用 IPv6 设置的网络设备, 这些按钮将变灰, 因为这些网络设备不支持此功能。

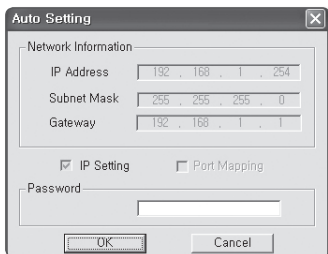
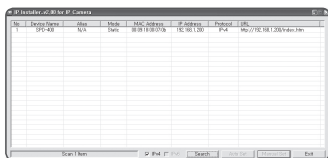
1. 从搜索结果中选择网络设备。
查找在网络设备背面标注的 MAC (以太网) 地址。
将会激活 [Auto Set] 和 [Manual Set] 按钮。

2. 单击 [Auto Set]。
“自动设置”对话框将会出现。
将会自动设置 <IP Address>、
<Subnet Mask> 和 <Gateway>。

3. 输入密码。
这是访问网络设备的“admin”用户的
登录密码。
默认密码是“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。

4. 单击 [OK]。
自动网络设置即告完成。



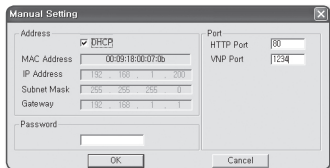
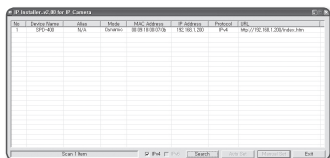
动态 IP 设置

动态 IP 环境设置

- 动态 IP 环境示例
 - 如果 DHCP 服务器为连接了网络设备的宽带路由器分配 IP 地址
 - 网络设备直接连接至基于 DHCP 的调制解调器
 - 如果 IP 由内部 DHCP 服务器通过 LAN 分配

检查动态 IP

1. 从本地地计算机中，运行 <IP Installer> 以显示分配了 <Dynamic IP> 的网络设备列表。
2. 在列表中选择网络设备，然后单击 [Manual Set] 以检查网络设备的 <Dynamic IP>。
如果取消选择 <DHCP>，您即可将 IP 更改为 <Static>。



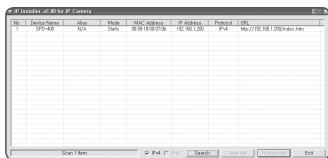
网络连接和设置

从共享的本地计算机连接到网络设备

1. 运行 IP Installer。
搜索已连接的网络设备并显示在列表上。
2. 双击要连接至的所需网络设备。
互联网浏览器将会启动并连接至该网络设备。



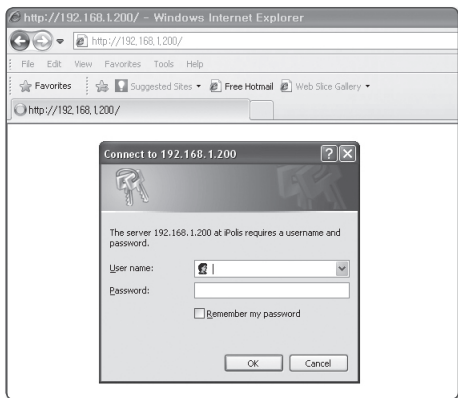
- 您也可以在互联网浏览器的地址栏中输入所发现网络设备的 IP 地址的方式访问摄像机



Web 查看器

访问网络视频解码器。

通常,您应该:



1. 启动互联网浏览器。
2. 在地址栏中输入网络视频解码器的 IP 地址。
 示例) • IP 地址 (IPv4) : 192.168.1.200
 → http://192.168.1.200 - “登录”对话框应会出现。
 • IP 地址 (IPv6) : 2001:0230:abcd:ffff:0000:0000:ffff:1111
 → http://[2001:230:abcd:ffff::ffff:1111] - “登录”对话框应会出现。

如果 HTTP 端口为除 80 以外的值

1. 启动互联网浏览器。
2. 在地址栏中输入网络视频解码器的 IP 地址和 HTTP 端口。
 示例) IP 地址 : 192.168.1.200:HTTP Port number(8080)
 → http://192.168.1.200:8080 - “登录”对话框应会出现。

Web 查看器

登录

默认用户 ID 是“admin”，默认密码是“4321”。

1. 在 <User Name> 输入框中输入“admin”。
2. 在 <Password> 输入框中输入“4321”。
如果密码已更改，请改为输入更改的密码。
3. 单击 [OK]。
登录后，网络视频解码器的设置屏幕将会出现。

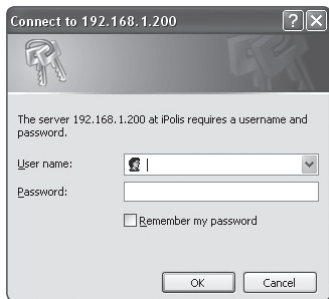


- 为了安全起见，请务必在 <系统> - <用户> 中更改密码。
管理员 ID “admin” 是固定的，无法更改。

- 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。
- 如果在输入完成后选中“Remember my password”选项，将来您便可以自动登录，系统不会提示您输入登录信息。



- 如果屏幕大小是 100%，则您可以体验最佳视频质量。
降低该比率可能会切掉边框上的图像。



设置屏幕

设置

可以远程配置网络视频解码器的音频与视频、网络、事件和系统设置。

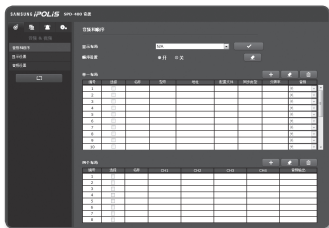


- 根据网络摄像机/编码器的固件版本，向网络视频解码器注册此类设备可能会失败或无法正常工作。请访问 www.samsungtechwin.com 以下载最新固件并进行更新。

音频 & 视频设置

视频和顺序

1. 从“设置”菜单中，选择 < 音频 & 视频 () > 选项卡。
2. 选择 < 视频和顺序 >。
3. 单击每个项目的输入框，并输入 / 选择所需的值。
 - 显示布局：选择监视屏幕的所需布局：单一布局或四个布局。
 - 顺序设置：选择是否使用自动监视顺序，并选择顺序布局的布局和停留时间。
 - 显示会在根据在顺序设置中配置的停留时间，自动循环指定的布局。最多可从单一布局及四个布局及顺序中选择 10 个布局。
 - 单一布局：可以添加在网络中操作的网络摄像机 / 编码器，或者编辑 / 删除已注册的单一布局。
 - 它是连接至网络视频解码器的网络摄像机 / 编码器的显示布局基本单位。
添加网络摄像机 / 编码器的单一布局后，选择所添加单一布局的摄像机名称以在监视屏幕上显示网络摄像机 / 编码器的视频。
最多可以添加 64 个网络摄像机或编码器。
 - 四个布局：可通过选择添加的单一布局来复合、编辑或删除 4 分屏布局。
 - 通过选择网络摄像机 / 编码器的单一布局复合四个布局以显示 4 分屏监视屏幕。
将网络摄像机 / 编码器的已添加单一布局添加至四个布局，以在监视器上显示 4 分屏屏幕。
最多可以添加 8 个四个布局。



设置屏幕

添加单一布局

1. 单击 [添加视频 ()] 按钮。
2. 输入网络摄像机 / 编码器的信息。
3. 在 < 地址 > 字段中输入要添加的设备的 IP 地址或 DDNS URL。
 - 最多可以输入 64 个字母，并且布局列表最多显示 9 个字母，对于其余字母，显示 <...>。
4. 输入要添加的设备的 ID 和密码。
5. 单击 [导入属性 ()] 按钮以提取要连接设备的相关信息。
 - 如果摄像机没有配置文件则无法添加。



添加视频

协议 ☐ Samsung ☒ AXIS

地址

VNP 端口

HTTP 端口

ID

密码

型号

摄像机名称

配置文件

同步类型

分辨率

6. 在提取的信息出现之后，输入 < 摄像机名称 >。

- 摄像机名称允许在名称中使用空格。
- 最多可以输入 15 个字母，并且布局列表最多显示 7 个字母，对于其余字母，显示 <...>。

7. 选择配置文件。

- !
- 如果在选择摄像机配置文件之后更改其属性，则可能无法显示视频。在这种情况下，“Not Decodable”消息将会出现在监视器上。

8. 单击 [添加 (+)] 按钮。

- 
- 最多可以添加 64 个布局。
 - 单击 [摄像机设置 ()] 按钮以显示用于访问所添加摄像机网页的浏览器。

添加视频

协议 ☐ Samsung ☒ AXIS

地址

VNP 端口

HTTP 端口

ID

密码 

型号 **SNB-7000**

摄像机名称

配置文件 

同步类型 **MJPEG**

分辨率 **320x240**

单一布局的可用分辨率

编解码器	H.264	MPEG-4	MJPEG
单一布局	1920x1080p~ 320x240	4CIF ~ 320x240	1280x720p ~ 320x240 (800x600 除外)

设置屏幕

编辑现有的布局

1. 单击复选框以选择已添加的设备。
2. 编辑现有的信息。
 - 请注意，<协议> 和 <地址> 字段不允许编辑。
3. 单击 [保存 ()]。
4. 要取消，请单击 [取消 ()] 按钮。

删除现有的布局

1. 单击复选框以选择已添加的设备。
2. 单击布局列表顶部的 [删除 ()] 按钮。
3. 确认消息出现时，单击 [OK]。



- 不能更改或删除由 <四个布局> 使用、在 <顺序设置> 中或当前显示在监视屏幕上的布局，并且此类尝试将显示确认消息。

添加视频

协议 ☒ Samsung ☐ AXIS

地址

VNP 端口

HTTP 端口

ID

密码 

型号 **SNB-7000**

摄像机名称

配置文件

同步类型 **MJPEG**

分辨率 **320x240**

设置已添加单一布局的音频

1. 从已添加单一布局的列表中，根据喜好将音频设置为 <开> 或 <关>。
 - 对于配置为输出音频的设备，在四个布局模式中，不能从 <关> 切换为 <开>。进行此类尝试时会显示确认消息。
 - 仅当在单一布局配置中将设备的音频输出设置为 <开> 时，才能选择音频。

单一布局

序号	名称	设备	协议	地址	帧率/帧宽	同步类型	分辨率	帧率	设备
1		Gate1	SNB-7000	192.168.1.201	30FPS	MJPEG	320x240	30	
2								30	
3								30	
4								30	
5								30	
6								30	
7								30	
8								30	
9								30	
10								30	

添加四个布局

1. 单击 [添加四个布局 ()] 按钮。
2. 从要指定给每个频道的已添加单一布局中选择设备。
3. 输入 < 布局名称 >。
 - 最多可以输入 15 个字母，并且布局列表最多显示 7 个字母，对于其余字母，显示 <...>。
4. 从指定的 4 频道中选择四个布局的音频输出频道。
如果设备的音频在其单一布局中设置为 < 开 >，则可以选择设备。
5. 单击 [添加 ()] 按钮。



-  ■ 最多可以添加 8 个四个布局。请注意，无法将一个单一布局多次指定给相同的四个布局。但是，可以将单一布局指定给多个四个布局。

四个布局的可用分辨率

网络视频解码器的四个布局可能不支持某些分辨率，具体视所用的编码解码器而定。选择不支持的分辨率将显示错误消息。
在添加之前，请参阅下面可用的分辨率。

编码解码器	H.264	MPEG-4	MJPEG
四个布局	1280x720p ~ 320x240 (800x600 除外)	4CIF ~ 320x240	1280x720p ~ 320x240 (800x600 除外)

设置屏幕



- 在分辨率低于 960x540 的四个布局模式显示中，如果全部 4 个频道的视频分辨率相同，则每个视频将在其分屏中居中显示。同时，320x240 和 352x240 视频将分别放大为 640x480 和 704x480。



- 在 4 分屏模式中，如果从 4 个摄像机接收到的数据流量总量超过 40Mbps，则视频播放可能不流畅。



<第 2 个分屏幕显示分辨率低于 960x540 的视频>

编辑四个布局

- 单击以从列表中选择所需布局的复选框。
- 对指定的频道进行更改，或编辑布局名称。
- 单击 [保存 (💾)]。
- 要取消，请单击 [取消 (🗑️)] 按钮。

删除四个布局

- 单击以从列表中选择所需布局的复选框。
- 单击 [删除 (🗑️)] 按钮。
- 确认消息出现时，单击 [OK]。



- 不能更改或删除包括在 <顺序设置> 中或当前显示在监视屏幕上的四个布局，并且进行此类尝试会显示确认消息。



设置顺序

1. 按 [顺序设置 ()] 按钮。
2. 以所需显示顺序选择布局。
3. 输入布局过渡的时间间隔。
4. 完成后，请单击 [应用 ()]。
5. 将顺序设置设为 < 开 >。
将会以指定的顺序显示选定布局，并以指定的时间间隔切换。



选择要在监视器上显示的布局

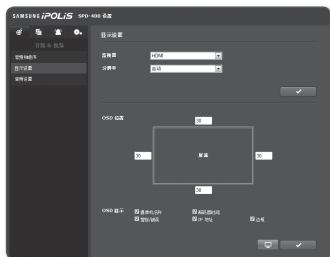
可以设置要在所连接监视器上显示的布局。

1. 单击“显示布局”列表以显示可用的布局。
选择要在屏幕上显示的布局。
2. 完成后，请单击 [应用 ()]。
■ 如果将“顺序设置”设为 < 开 >，则会显示 < 显示布局 > 列表框。



显示设置

1. 从“设置”菜单中，选择 < 音频 & 视频 () > 选项卡。
2. 单击 < 显示设置 >。
3. 单击每个项目的输入框，并输入 / 选择所需的值。
 - 监视器：选择用于视频显示的目标监视器类型。
 - 分辨率：选择监视器的分辨率。
 - 选择 < CVBS > 时，菜单将更改为 < CVBS 类型 >。

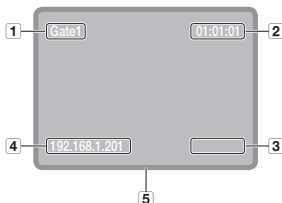


设置屏幕

- OSD 位置：选择屏幕显示菜单的位置。
如果更改 OSD 位置的编号，则会根据整个屏幕将它移至设置的编号处。

- OSD 显示：选择要在监视器上显示的 OSD 的类型。

- ① 摄像机名称：显示注册布局时使用的摄像机的名称。
- ② 解码器时间：显示为解码器设置的时间。
- ③ 警报/错误：发生警报/错误时在监视器上显示。
- ④ IP 地址：显示摄像机的 IP 地址。
- ⑤ 边框：使用边框线隔开每个摄像机的屏幕。



- 预览 ()：预览与 OSD 相关的已更改设置，并在确认后应用。
应用 OSD 设置更改不会影响监视器设置。

4. 完成后，请单击 [应用 ()]。

音频设置

可以设置连接至网络视频解码器的设备的音频输入/输出设置。

1. 从“设置”菜单中，选择 < 音频 & 视频 () > 选项卡。

2. 单击 < 音频设置 >。

3. 根据您的喜好调整音频 I/O 级别。

- 音频输出：设置是否使用音频及其输出方法。
- 增益：选择 < 线性输出 > 后可用，并设置值。



- 仅当连接的设备支持音频输入并设置为开时，才能产生音频。
- 要选择 HDMI 音频输出，应该将“显示设置”的“监视器”设置设为 HDMI。
- 当输入音频过大时，将可能在解码器音频输出端出现严重的爆音现象，请降低输入音量或者音频输入端如 IP Camera 的音频输入增益。

4. 完成后，请单击 [应用 ()]。

网络设置

接口

1. 从“设置”菜单中，选择 < 网络 () > 选项卡。
2. 单击 < 接口 >。
3. 根据需要设置 < 连接模式 > 和 < IPv6 设置 >。

- IP 类型：选择 IP 连接类型。
 - Manual：指定 IP 地址、子网掩码、网关、DNS1 和 DNS2。
 - DHCP：指定 DNS1 和 DNS2。
 - 如果将其设置为 < Manual >，则应手动指定 IP、子网掩码、网关、DNS 1 和 DNS 2。



- MAC 地址：显示网络视频解码器的 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。
 - HTTP 端口：用于通过 Web 浏览器访问网络视频解码器的 HTTP 端口。默认值是 80(TCP)。
 - IPv6 使用：指定使用 IPv6。
 - IPv6 地址：获取访问 IPv6 网络的 IPv6 地址。
4. 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”菜单中，选择 <网络 ()> 选项卡。
2. 单击 <SSL>。
3. 选择安全连接系统。
 - 使用安全 HTTPS 模式访问网络视频解码器时，请采用以下格式在地址栏中输入 IP 地址：https://<Network Decoder_IP>。
4. 搜索并添加网络视频解码器的证书。

要将证书安装到网络视频解码器，需要输入证书名称（可由用户任意指定），并指定认证中心颁发的证书文件和密钥文件。

 - 仅当安装了公共证书时，<HTTPS（使用公共证书的安全连接模式）> 项目才会处于活动状态。
5. 完成后，请单击 [应用 ()]。



安装证书

1. 输入证书的名称。
2. 选择所需证书文件及其密钥文件，然后单击 [安装 ()] 按钮。

删除证书

1. 单击 [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。

事件设置

警报输入

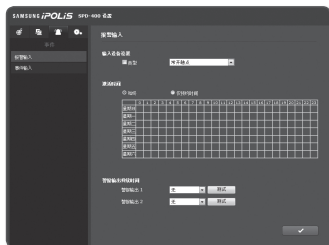
可以设置网络视频解码器警报输入端口的警报输入类型、持续时间和操作类型。

1. 从“设置”菜单中，选择 < 事件 ()> 选项卡。

2. 单击 < 警报输入 >。

3. 选择输入设备类型。

- 类型
 - 常开触点：它通常是打开的，但是如果关闭，将触发警报。
 - 常闭触点：它通常是关闭的，但是如果打开，将触发警报。



4. 指定 < 激活时间 >。

- 始终：始终检查是否发生警报。当警报发出时，它将在运行的模式下激活。
- 仅预约时间：在一周指定的一天内指定的时间长度检查是否发生警报。当警报发出时，它将在运行的模式下激活。

5. 设置发生警报时警报的输出停留时间。

- 警报输出：在警报输入设置中指定警报输出时间。
 - 如果警报输出持续时间设置为 < 始终 >，警报将持续生效，直到按下警报确认按钮为止，如“音频 & 视频”页面中所述。
 - 测试：针对连接的警报输出设备执行测试警报。

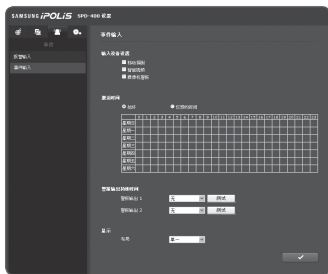
6. 完成后，请单击 [应用 ()]。

设置屏幕

事件输入

可以设置网络摄像机或编码器的警报持续时间和警报的操作类型。

1. 从“设置”菜单中，选择 < 事件 () > 选项卡。
2. 单击 < 事件输入 >。
3. 指定事件输入设备。
 - 输入设备设置
 - 移动检测：将从所连接设备检测到的移动识别为警报。
 - 智能视频：将从所连接设备检测到的智能视频分析事件识别为警报。
 - 摄像机警报：将来自所连接设备的传感器输入事件识别为警报。



- 仅当向布局注册的摄像机支持适用的功能并设置为开时才可操作。

4. 指定激活时间。
 - 对于 < 激活时间 > 设置，请参阅“警报输入”。（第 41 页）
5. 设置每个警报的 < 警报输出持续时间 >。
6. 选择发生事件时每个设备的视频显示的 < 布局 >。

如果选择 < 四个 > 模式并且已将所需单一布局指定给两个四个布局，则会选择并显示布局编号较小的四个布局。

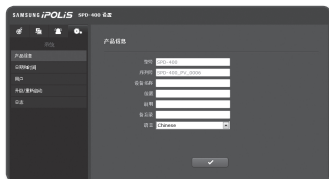
发生事件时，会根据指定的显示设置针对事件显示所选布局以及警报边界和警报消息，直到在“音频 & 视频”页面中按警报确认按钮为止。

按警报确认按钮时，屏幕会恢复到发生事件之前的屏幕。
7. 完成后，请单击 [应用 ()]。

系统设置

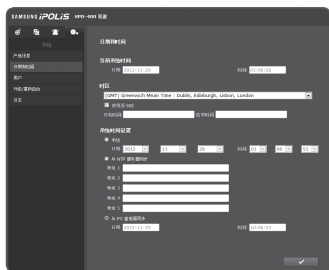
产品信息

1. 从“设置”菜单中，选择 < 系统 () > 选项卡。
2. 单击 < 产品信息 > 按钮。
3. 检查网络视频解码器信息，或根据网络环境提供详细信息。
 - 设备名称：输入网络视频解码器的名称。
 - 位置：描述已安装网络视频解码器的位置。
 - 说明：输入有关已安装网络视频解码器的其他详细信息。
 - 备忘录：提供有关网络视频解码器的说明以便更好地理解。
 - 语言：选择网络视频解码器菜单和 Web 查看器 OSD 的首选语言。
4. 完成后，请单击 [应用 ()]。



日期和时间

1. 从“设置”菜单中，选择 < 系统 () > 选项卡。
2. 单击 < 日期和时间 >。
3. 设置网络视频解码器的系统时间。
 - 当前系统时间：显示系统的当前时间设置。
 - 时区：指定基于 GMT 的本地时区。
 - 使用夏令时：如果安装位置的地区适合使用 DST，则可以选择是否应用 DST。



设置屏幕

- 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 ()]。



- 如果选择 <与 PC 查看器同步>，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”菜单中，选择 <系统 ()> 选项卡。

2. 单击 <用户> 按钮。

3. 提供必要的用户信息。

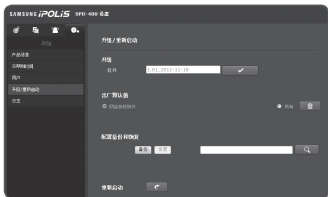
- 管理员密码更改：更改管理员的当前密码。
 - 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改密码。请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。
- 当前用户：可以为设置为 <启用> 的用户更改用户信息和调整权限级别。
 - 控制：如果设置为开，可以使用除用户帐户管理之外的所有菜单项。
 - 启用：激活用户帐户。

4. 完成后，请单击 [应用 ()]。



升级/重新启动

1. 从“设置”菜单中，选择 < 系统 () > 选项卡。
2. 单击 < 升级 / 重新启动 >。
3. 选择所需的项目并进行适当设置。
 - 升级：执行系统升级。
 - 出厂默认值：将系统重置为出厂默认值。
 - 网络参数除外：重置除网络参数之外的所有设置。
 - 所有：重置包括网络参数在内的所有设置。
 - 配置备份和恢复：在执行恢复流程之前，备份当前的系统设置。备份或还原之后，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 []。
2. 单击 [] 并指定要升级的文件。
3. 单击 [升级]。
4. “更新状态”对话框将会出现，其中进度将显示在底部。



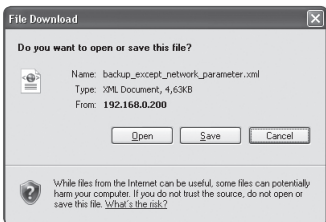
-  如果强行终止升级流程，升级将无法正确完成。



设置屏幕

保存当前设置和恢复备份设置

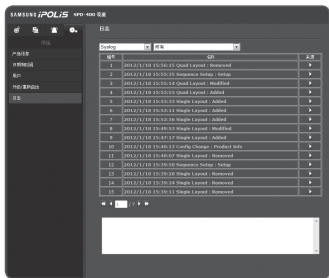
1. 单击 [备份]。
“另存为”对话框应会出现。
2. 指定备份路径及适当的文件名，然后单击 [Save]。
备份文件将以“.xml”格式保存到指定的路径。
3. 要从备份恢复设置，请选择备份文件。
4. 单击 [恢复]。
一旦恢复完成，系统将重新启动。



日志

可以检查系统日志或事件日志。

1. 从“设置”菜单中，选择 < 系统 () > 选项卡。
2. 单击 < 日志 >。
3. 选择日志类型。
 - Syslog：您可以检查系统日志，其中记录了所有系统更改，包括时间信息。
 - Evtlog：可以检查事件日志，包括时间信息。
4. 从右边的日志列表，选择要搜索的项目。
 - 如果在左上角的下拉列表中选择了 < 所有 >，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、下一个或最后一个项目。



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

附录

规格

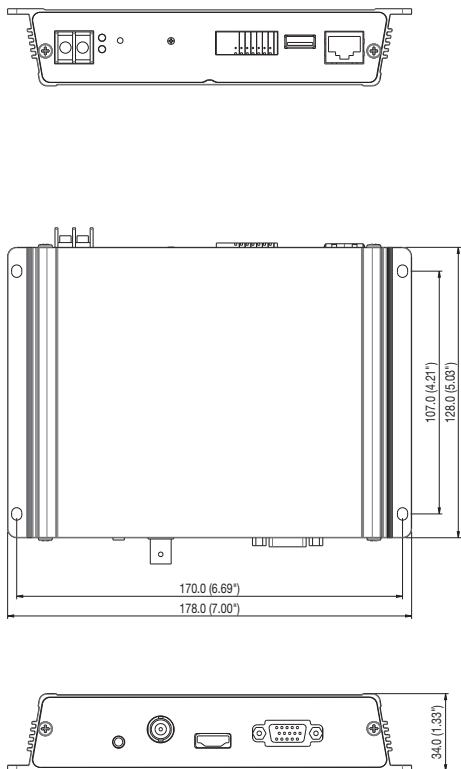
项目		描述
视频输出	视频输出	1) HDMI / VGA: 最高 1920x1080p(HDMI 和 VGA 的输出分辨率相同)、1920x1080p、1680x1050、1600x900、1440x900、1280x1024、1280x720p、1024 x 768 2) CVBS: NTSC : 1.0 Vp-p / 75Ω 复合 704x480 PAL : 1.0 Vp-p / 75Ω 复合 704x576 3) 从 HDMI/VGA 和 CVBS 中选择
	视频延迟	1) H.264: 最多 3.5 秒 2) MPEG-4: 最多 2 秒 3) MJPEG: 最多 2 秒
	事件触发器	警报输入、网络摄像机事件输入
	警报 I/O	1 个输入/2 个输出(中继)
网络	以太网	RJ-45 (10/100/1000BASE-T)
	视频压缩格式	H.264、MPEG-4、MJPEG
	分辨率	1) H.264 - 单一视图: 1920x1080p ~ 320x240 - 四个视图: 1280x720p ~ 320x240(800x600 除外) 2) MPEG-4: - 单一视图: 4CIF ~ 320x240 - 四个视图: 4CIF ~ 320x240 3) MJPEG: - 单一视图: 1280x720p ~ 320x240(800x600 除外) - 四个视图: 1280x720p ~ 320x240(800x600 除外) 1920x1080p、1280x1024、1280x720p、704x576、704x480、640x480、352x288、352x240、320x240
	最大帧速率	单一视图最高为 30fps, 4 个视图 (640x480) 最高为 120fps, 4x4 CIF 最高为 100fps, 4x720p 最高为 60fps(禁用音频)
	显示	单一布局, 四个布局

项目		描述
网络	音频 I/O	1 线性输出
	音频压缩格式	G.711, G.726
	IP	IPv4、IPv6
	协议	TCP/IP、UDP/IP、RTP(UDP)、RTP(TCP)、NTP、HTTP、DHCP、ICMP、IGMP、ARP、SSL、DNS
	安全	HTTPS(SSL) 登录验证 用户访问日志
	摄像机连接	64 个摄像机, 8 个布局, 10 个顺序
	ONVIF 一致	不支持
	支持的设备	Samsung 网络摄像机 (*) Axis: P3301、P3343、P3344、P1311、P1343、P1344、P1346、PTZ215、Q6032、Q7401、Q7404 (固件版本: 5.x) 1) 流 (现场视频/音频): SVNP 1.2 (AXIS: RTP/RTSP) 2) 控制/网络警报: SVNP 1.2 (AXIS: 不支持) * 请与您的经销商联系以取得有关兼容 Samsung 网络设备的已更新详细信息。
	Web 查看器	支持的操作系统: Windows XP / VISTA / 7 支持的浏览器: Internet Explorer 7.0 或 8.0, Firefox 2.x、3.x、Chrome、Safari
环境	工作温度 / 湿度	0°C ~ +40°C (+32°F ~ +104°F) / 相对湿度 0% ~ 90%
电气	输入电压	DC 12V
	功耗	最大 10W
机械	颜色/材料	银色/金属
	尺寸 (宽 x 高 x 深)	宽178.0 x 高34.0 x 深128.0 mm (宽7.00 x 高1.33 x 深5.03英寸)
	重量	530g

附录

产品概述

单位：毫米(英寸)



故障排除

问题	解决方案
无法使用互联网浏览器访问网络视频解码器。	- 如果重新启动网络视频解码器仍然无法解决问题,请按住 [RESET] 按钮约 5 秒钟以重置网络视频解码器的设置。 - 检查以确保已正确连接所有网络电缆。 - 对于 DHCP 环境,请检查是否为网络视频解码器正确分配动态 IP 地址。
无法使用 Internet Explorer 7.0 的选项卡浏览器连接至系统。	尝试使用选项卡浏览器连接至系统时,会共享相同的 cookie 信息,从而导致在连接时发生错误。因此,不是使用选项卡浏览器,而是打开新的浏览器窗口来连接至系统。
IP Installer 程序无法搜索在网络中安装的网络视频解码器。	关闭 PC 上的防火墙设置,然后再次搜索网络视频解码器。
监视器上不显示任何内容。	- 检查监视器是否连接至网络视频解码器并且与输出模式相符。 - 检查监视器是否支持并符合网络视频解码器的输出分辨率。
监视器除了徽标以外不显示任何内容,并且无法切换到其他屏幕。	如果重新启动网络视频解码器仍然无法解决问题,请按住 [RESET] 按钮约 5 秒钟以重置网络视频解码器的设置。

OPEN SOURCE ANNOUNCEMENT

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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 webservers 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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the Library".

The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that

(1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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