

网络视频录像机 用户手册

SRN-1000



网络视频录像机

用户手册

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如果要产品与无线路由器配合使用，请设置无线网络的密码。

不使用密码保护或使用默认无线路由器密码可能会使视频数据受到潜在威胁。

请每隔三个月更改密码以保护个人信息并避免因信息失窃造成损失。

请注意，用户应负责安全以及密码管理不善导致的其他问题。

概述

重要安全说明

使用装置前请仔细阅读这些操作说明。
请按照下面列出的安全说明操作。
请将这些操作说明放在方便处、以供将来参考。

- 1) 请阅读这些说明。
- 2) 请妥善保管这些说明。
- 3) 注意所有警告。
- 4) 请遵循所有说明。
- 5) 切勿在近水处使用本设备。
- 6) 清洁时只使用干布。
- 7) 请勿堵塞任何通风口。根据厂商的说明进行安装。
- 8) 不要将本设备安装在任何靠近热源例如电暖炉、暖气片、或其他(包括扩音器)会产生热气的设备。
- 9) 请勿忽略极化或接地型插头的安全保护用途。极化型插头具有两边、有一边较另一边宽。接地型插头具有两边和第三端接地插脚。该宽边或第三端插脚是为您的安全而提供的。如果所提供的插头不适用于您的插座、请联系电工更换旧插座。
- 10) 保护电线以防践踏或被挤压、特别是插头处、便利插座处以及设备接出处的电线。
- 11) 只使用厂商指定的附加装置/附件。
- 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) 所有维修应由合格的维修人员执行。设备在具有任何方式的损坏时需要维修服务、如电源线或插头损坏、设备内溅入液体或落入杂物、设备曾淋雨或浸水无法正常操作、或是跌落。



概述

使用前须知

本手册提供使用产品所需的操作信息、并且包含关于每个零部件及其功能和菜单或网络设置的说明。您必须牢记下列注意事项：

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- 对于由于使用非标准产品或不按照本手册中的说明使用产品而造成的任何损失、我们概不负责。
- 如果您要打开系统的机箱检查是否存在问题、请咨询购买产品所在商店的专家。
- 在安装其他硬盘或将 SATA 设备连接至本产品之前，请检查它与产品是否兼容。

警告

电池

在产品中换用不正确的电池可能会导致爆炸。因此、您必须使用与产品中正在使用的电池同类的电池。以下是您现在正在使用的电池的规格。

- 标准电压：3V
- 标准容量：170mAh
- 连续标准负载：0.2mA
- 操作温度：-20°C ~ +85°C (-4°F ~ +185°F)

注意

- 将电源线连接到接地的插座。
- 将市电插头用作断开连接设备、它应该随时都可操作。
- 不应该将电池放在强热中、例如阳光下、火上或类似的物体中。
- 如果换用类型不正确的电池、那么会有发生爆炸的风险。请按照说明处置用过的电池。

系统关闭

如如果在产品操作时关闭电源或用不允许的操作关闭电源、都可能会导致硬盘和产品损坏。为了安全关闭电源，请单击 Web Viewer 右上角的 <关闭> 按钮，并通过单击 <确定> 确认提示的弹出窗口，然后断开电源。

您可能需要安装 UPS 系统来保证安全操作、以预防电源意外中断所导致的损坏。(有关 UPS 的任何问题、请向您的 UPS 零售商咨询。)



- 如果异常关闭电源、则重新启动可能需要较长时间、以便从硬盘恢复数据以正常操作。

操作温度

本产品的允许操作温度范围是 0°C ~ 40°C (32°F ~ 104°F)。

若在低于允许温度下长时间存储、本产品将无法立即正确操作。

当要使用在低温下长时间存储后的设备时、请将产品放置在室温中一段时间、然后再运行。

请注意，气温低于 0°C 时，内置 HDD 可能无法正常工作。请注意保持适当温度。

以太网端口

本设备供在室内使用、所有通信接线都限制为在楼宇内进行。

安全注意事项

初始管理员 ID 是 “admin”，密码应在首次登录时设置。

如果要产品与无线路由器配合使用、请设置无线网络的密码。

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概述

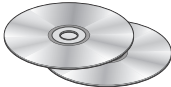
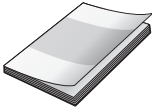
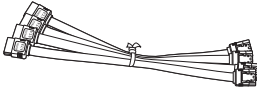
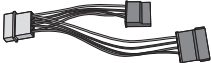
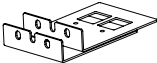
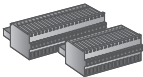
特性

本产品会将来自网络摄像机的视频和音频录制到硬盘、并允许从硬盘进行播放。它还提供远程监视环境、可使用远程计算机通过网络远程监视视频和音频。

- 支持 VGA、4CIF、最高以 2592x1944(5M 像素)录制
- 录制和播放视频
- 录制和播放音频
- 支持 ONVIF 标准和 RTP / RTSP 协议
- 通过 HDD SMART 显示硬盘操作状态
- 启用硬盘覆盖
- 通过使用 eSATA 支持大容量存储硬盘
- 多种录制模式(正常、事件、计划录制)
- 警报输入/输出
- 支持实时监视与 PC 同步的网络摄像机

包装内容

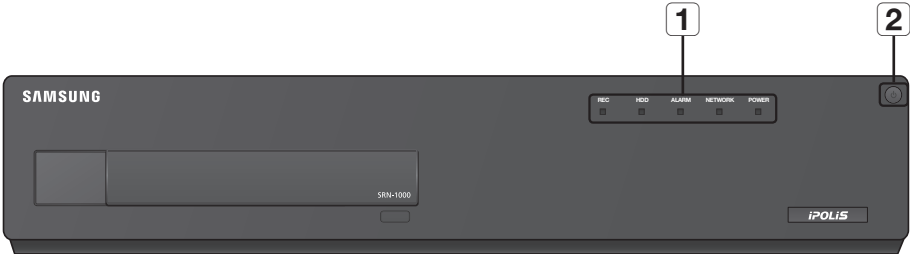
请拆开产品的包装、将产品放在平坦的位置或待安装位置。
请检查除了主装置之外、是否包括下列内容。

		
NVR	电源线	Network Viewer 软件/ 用户手册和安装软件 CD
		
用户手册或简介遥	SATA 电缆	附加 SATA 电源线
		
支架架	支架固定螺丝	HDD 固定螺钉
		
接线端子		

 对于没有内置硬盘的型号、默认会增加一根 SATA 电缆和 3 颗用于固定硬盘的螺钉。

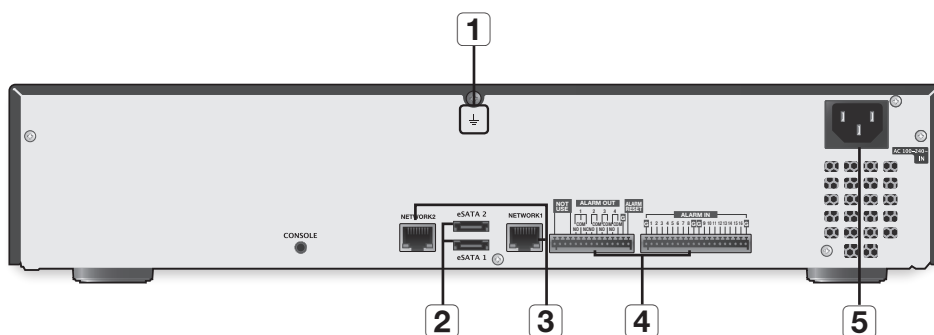
概述

部件名称与功能(前面)

		
部件名称	功能	
1	LED 指示灯	REC : 当正在进行录制时亮起。
		HDD : 显示正常访问硬盘。 正在访问硬盘时、LED 会亮起。
		ALARM : 发生事件时亮起。
		NETWORK : 显示网络连接和数据传输状态。
		POWER : 显示电源打开/关闭状态。
2	电源	用于打开产品。

- 
- 打开电源并启动产品时，您可以根据 [REC] 和 [ALARM] 指示灯检查状态。(第 26 页)

部件名称与功能(背面)



部件名称		功能
1	接地	用于连接独立的接地电线的端口。 ■ 添加独立的接地电线以安全地使用产品。
2	eSATA 1/2	用于外部存储设备连接的端口。
3	NETWORK 1/2	网络连接器端口。
4	ALARM	- ALARM IN : 警报输入端口。 - ALARM RESET : 警报重置端口 - ALARM OUT : 警报输出端口。
5	电源	电源连接端口。



■ [CONSOLE] 设计为仅用于维修服务。

安装

在使用产品之前、请了解下列事项。

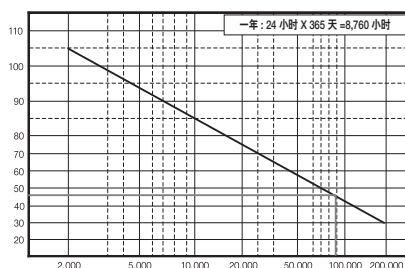
- 切勿在室外使用本产品。
- 切勿使水或液体溅湿产品的连接部件。
- 切勿使系统处于震动或摇晃激烈的环境。
- 切勿强行拔出电源线。
- 切勿自行拆解本产品。
- 切勿超出额定的输入/输出范围。
- 仅使用通过认证的电源线。
- 对于输入接地的产品、使用接地的电源插头。

检查安装环境

本产品是顶尖的安防设备、配有高容量硬盘和其他重要的电路板。

请注意、产品内部温度过高可能会导致系统故障或产品寿命缩短(请参见右图)。在安装产品之前、须牢记下列说明。

温度
单位: °C

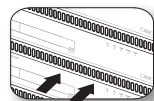
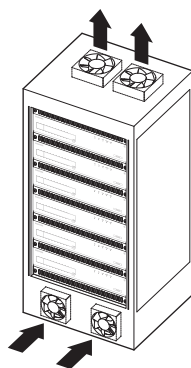


使用寿命(单位: 小时)

[图 1]

当将本产品安装在支架上时、请按照下面的说明操作。

1. 请确保机架内部不是密封的。
2. 请确保空气可以通过进风口和出风口循环。
3. 如果象图 2 所示那样层叠安装产品或其他支架安装式设备、请确保留出通风的空间或安装通风口。
4. 为了形成空气自然对流、请将进风口放到机架的底部、将出风口放在顶部。
5. 强烈建议在进风口和出风口处安装风扇马达、加强空气循环。(请在进风口处安装滤网、过滤出灰尘或异物。)
6. 请让机架内部和周围区域的温度保持在 0°C 到 40°C (32°F 到 104°F) 之间、如图 1 所示。

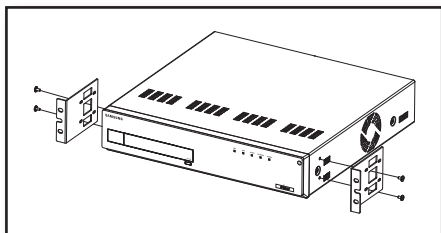


[图 2]

机架安装

如图所示安装支架、然后拧紧两侧的螺钉(每侧2个螺钉)。

- 紧固螺钉、这样即使摇晃也不会松动。



添加硬盘

确保从墙上插座上拔下电源线插头、以防止遭受电击、伤害或产品损坏。

请咨询您的提供商以获得关于硬盘安装的更多信息、因为不正确的安装或设置可能会损坏产品。

- 支持的硬盘数: 最多 8 个
- 在进行安装之前、确保从墙上插座上拔下电源线插头。
- 配有硬盘的型号在交付时安装了一个硬盘。



■ 数据丢失注意事项(硬盘保管)

请千万注意、避免硬盘中的数据被损坏。

在添加硬盘之前、请检查与本产品的兼容性。

硬盘会因为其敏感的性质而容易发生功能异常、如果在操作时受到震动则情况尤甚。请确保硬盘不受震动等影响。

对于用户粗心大意或滥用引起的硬盘损坏、我们概不负责。

■ 可能会导致硬盘或记录的数据损坏的情况

为了降低因硬盘损坏而遗失数据的风险、请尽量频繁备份数据。

如果在拆解或安装时受到电击、存储在硬盘中的数据可能会损坏。

正在执行硬盘操作时电源突然中断或关闭产品可能会损坏硬盘。

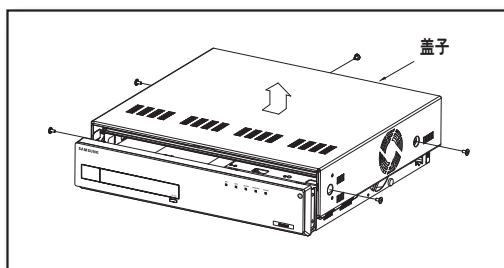
如果在硬盘操作期间移动主体或受到冲击、可能会损坏硬盘或存储在其中的文件。

安装硬盘时的注意事项

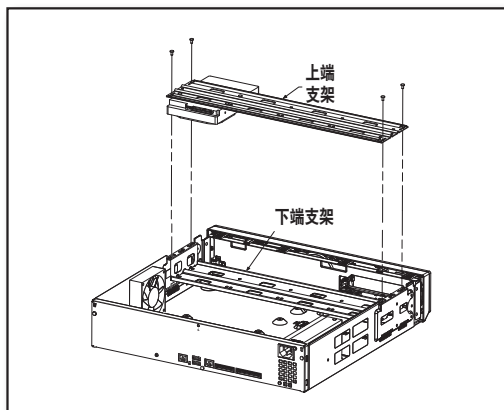
1. 添加硬盘时、请确保电缆没有损坏或绝缘层没有剥落。
2. 注意不要遗失拆卸螺钉或附件。
 - 如果没有正确地将螺钉或附件连接在一起、产品将会报废或无法正常操作。
3. 在添加硬盘之前、请检查硬盘兼容性。
 - 请与离您最近的经销商联系、以获得兼容设备列表。

安装

1. 首先, 松开两侧的螺钉, 然后取下护盖。

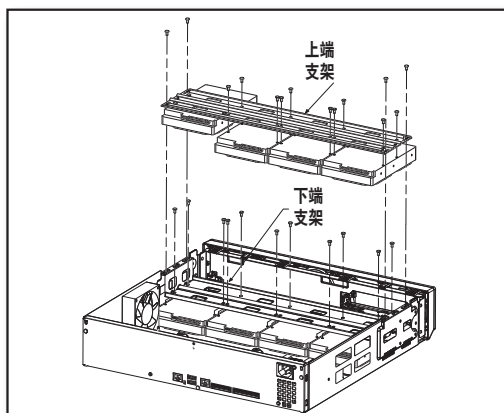


2. 拧松左/右侧和上端的螺钉(x4), 然后取下上端的支架。

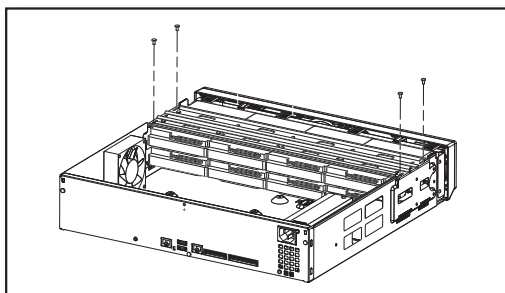


3. 将硬盘(x4)安装在下端支架上并用螺钉固定。

4. 将硬盘(x4)安装到上端支架上并用螺钉固定。

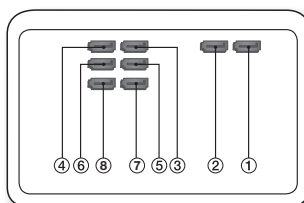
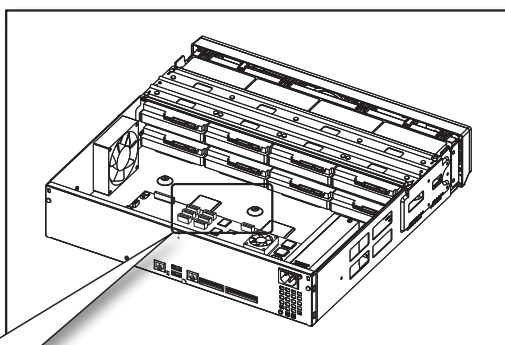


5. 在安装附加硬盘时, 将下端和上端支架插入 NVR 中并使用提供的螺钉将其固定。

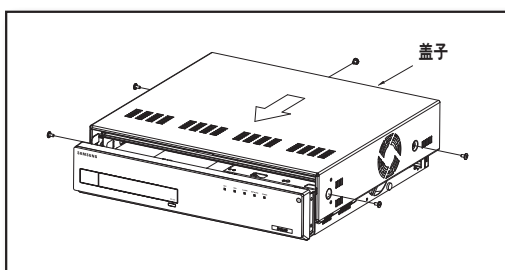


6. 添加硬盘完成后, 插入电源线并将 SATA 电缆(用于传输硬盘信号)连接至主板上的插头 ① ~ ⑥。

- 请注意, 连接硬盘数据电缆的顺序不会影响操作。唯一需要注意的是每根电缆的长度。

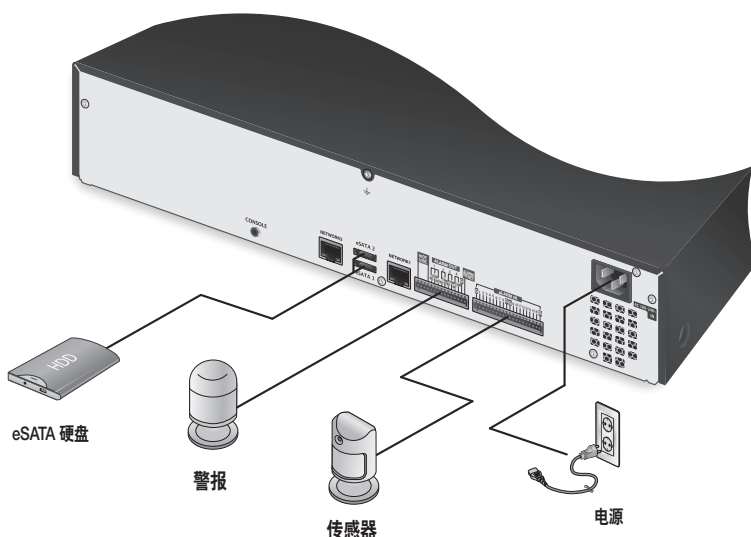


7. 检查接头已正确连接以及配线不存在任何问题, 然后使用螺钉将其固定。



连接其他设备

连接至外部设备



- 非额定或不正确的电源可能会导致损坏系统。在按“电源”按钮之前、请确定您仅使用额定电源。

连接外接 eSATA 硬盘

出厂默认会在后面板上提供外部 eSATA 端口。

如果连接至系统、则可以在“**设置 > 设备 > 存储设备**”中识别和配置外接 eSATA 硬盘。

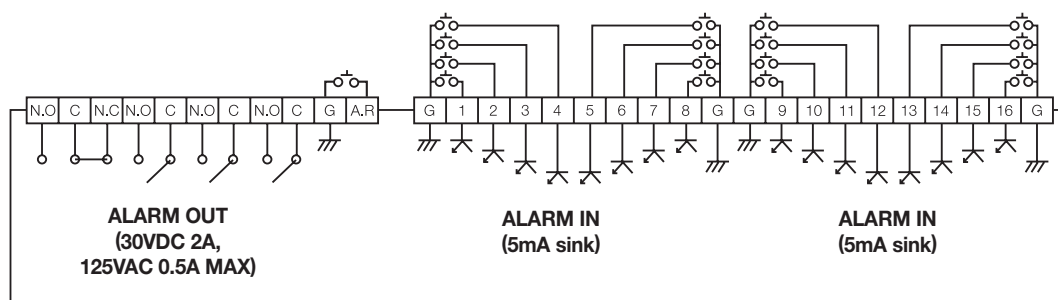


- 使用 1米以下的电缆进行外接 eSATA 硬盘连接。
- 外接 eSATA 存储器的电源将单独供应。
- 通过 eSATA 与使用中的设备相连的连接意外断开可能会重新启动系统。请检查设备是否在使用中、然后再断开它的连接。

连接警报输入/输出

背面的警报输入/输出端口由下列各项组成。

- ALARM IN 1 ~ 16 : 警报输入端口
- ALARM RESET : 接收到警报重置信号时、系统取消当前警报输入并继续感应。
- ALARM OUT 1 ~ 4 : 警报输出端口

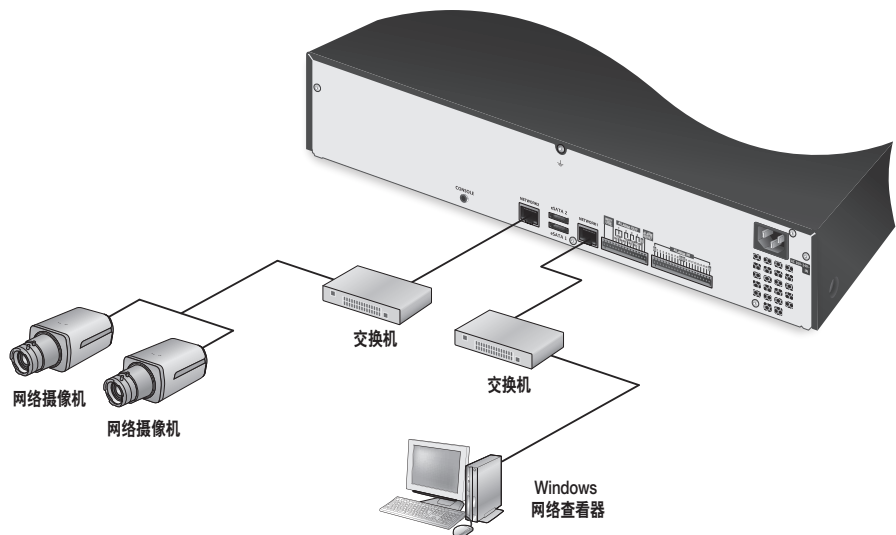


连接其他设备

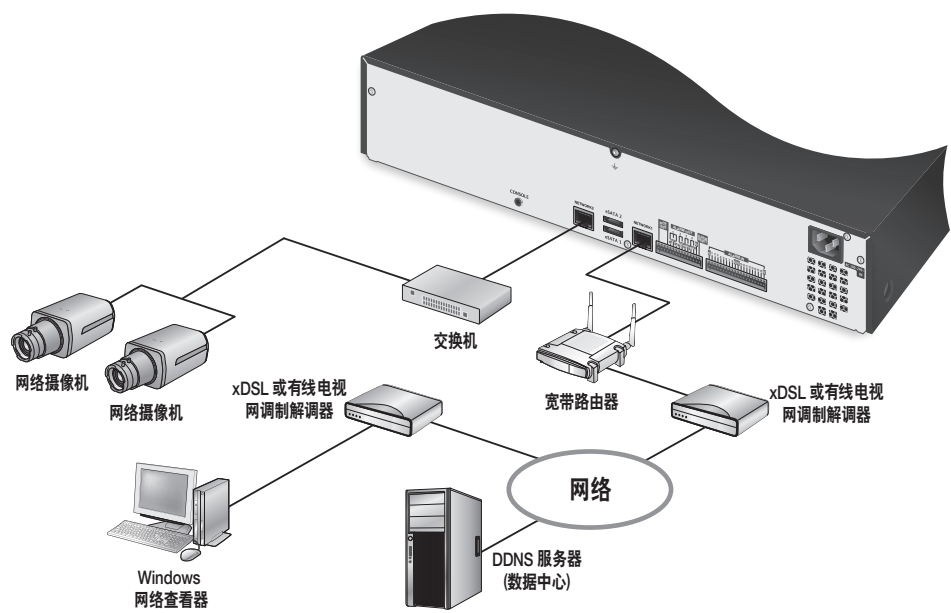
连接网络

 有关网络连接的更多信息，请参阅“网络配置”。(第 82 页)

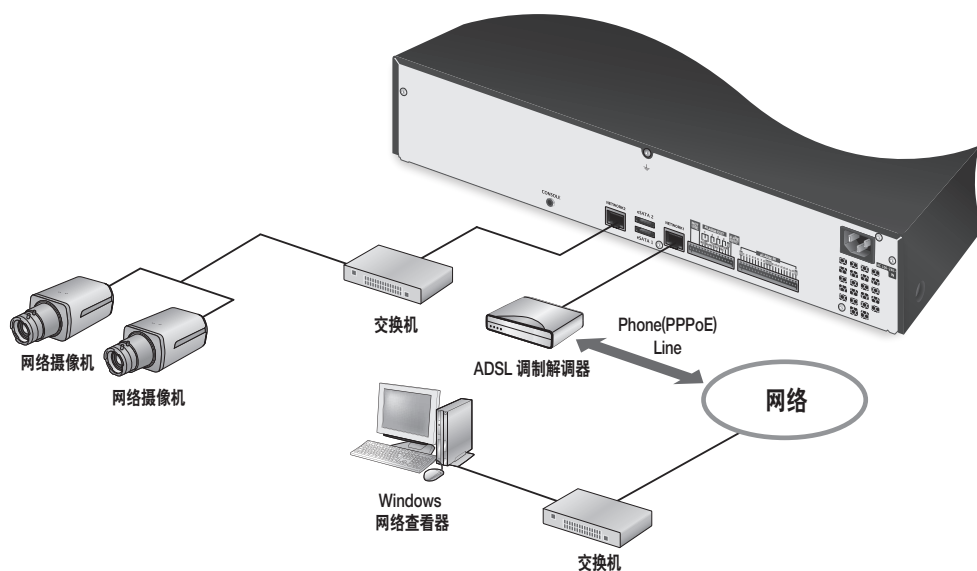
通过以太网进行的网络连接 (10/100/1000BaseT)



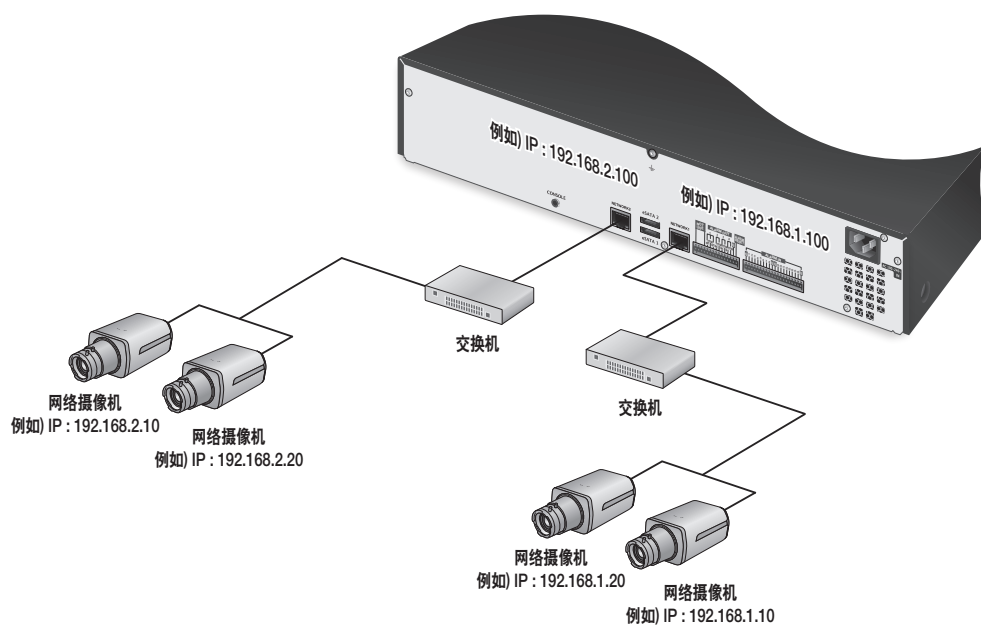
通过路由器进行的网络连接



通过 PPPoE 连接至网络



连接网络摄像机



- 可以根据喜好将摄像机或网络查看器连接至 [NETWORK1] 或 [NETWORK2]。
- 将千兆位交换机用作网络连接交换机

连接其他设备

使用 IP INSTALLER 联网

使用提供的 IP Installer 应用程序搜索网络上的设备并手动更改所搜索到设备的网络设置。

在 IP Installer 中使用的按钮



项目		说明
1	设备类型	选择要搜索的设备类型。
2	Device Name	已连接设备的型号名称。 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。
3	Alias	显示通过 <系统管理> 中的“设备名称”指定的 NVR 名称。
4	Mode	对当前网络连接状态显示 <Static>，<Dynamic> 和 <PPPoE>。
5	MAC Address	所选设备的 MAC 地址。 单击此列可以按 MAC 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	IP Address	所选设备的 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。

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



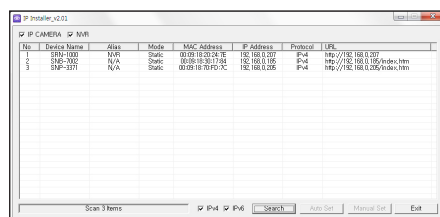
- 对于 IP Installer，请仅使用在安装 CD 中提供的版本，或者最新版本(如果可以获得)。可以从 Samsung 网站下载最新版本。

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。

- 从搜索列表中选择 NVR。
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 NVR 的 <IP Address>、<Subnet Mask>、<Gateway>、<HTTP Port> 和 <Port(TCP)> 的默认值。

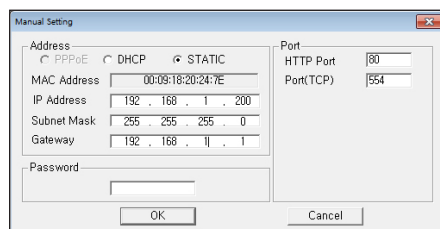


- 如果发现为多个设备分配了相同的 IP 地址，请为这些设备分配不同的 IP 地址以避免冲突。
- 如果已经因为多个设备共享 IP 地址而导致失败，恢复可能需要很长时间。

- 在 <Address> 窗格中，提供必需的信息。
 - MAC (Ethernet) Address：将自动设置适用 NVR 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。



连接其他设备

如果不使用宽带路由器

若要设置 <IP Address>、<Subnet Mask> 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 NVR，默认值为 80。
使用键盘更改 HTTP 端口值。
 - Port(TCP)：用于控制视频信号传输，默认值为 554。
- 5. 输入密码。
初始管理员 ID 是“admin”，密码应在首次登录时设置。

 请每隔三个月更改密码以保护个人信息并避免因信息失窃造成损失。
请注意，用户应负责安全以及密码管理不善导致的其他问题。

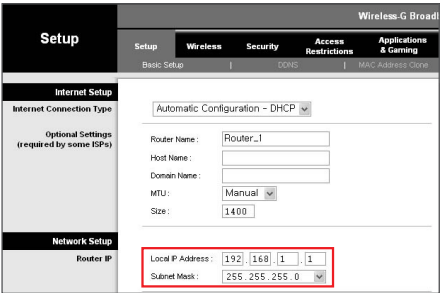
- 6. 单击 [OK]。
将完成手动网络设置。

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：宽带的 <Subnet Mask> 路由器将是 NVR 的 <Subnet Mask>。
- Gateway：宽带路由器的 <Local IP Address> 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 24 页)



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。

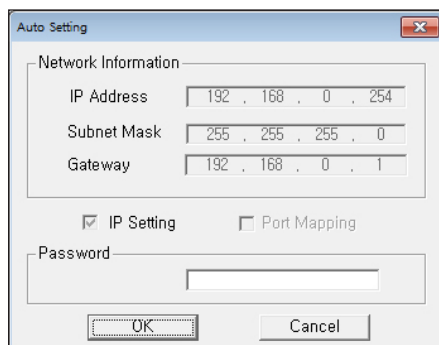
- 1. 从搜索列表中选择一个 NVR。
将激活 [Auto Set] 和 [Manual Set] 按钮。
- 2. 单击 [Auto Set]。
Auto Setting 对话框将会出现。
将自动设置 <IP Address>、<Subnet Mask> 和 <Gateway>。

3. 输入密码。
初始管理员 ID 是 “admin”，密码应在首次登录时设置。



- 请每隔三个月更改密码以保护个人信息并避免因信息失窃造成损失。
请注意，用户应负责安全以及密码管理不善导致的其他问题。

4. 单击 [OK]。
将完成自动网络设置。



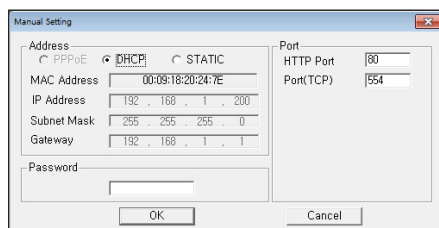
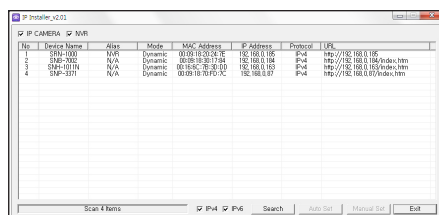
动态 IP 设置

动态 IP 环境设置

- 动态 IP 环境示例
 - 如果连接了 NVR 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 NVR 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. 在用户的本地机器上运行 IP Installer，以在列表中显示分配了 <Dynamic> IP 地址的设备。
2. 从列表中选择 NVR，然后单击 [手动设置] 以检查 NVR 的 <Dynamic> IP。
如果取消选择 <DHCP>，您即可将 IP 更改为 <Static>。



连接其他设备

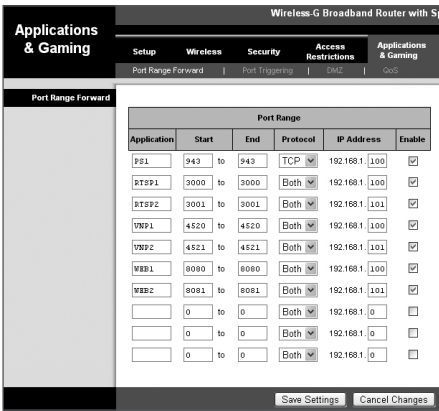
路由器端口设置

如果您安装了连接 NVR 的宽带路由器，就必须设置在宽带路由器上的端口范围转发，以便远程 PC 可以访问其中的摄像机。

手动端口设置

1. 宽带路由器，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 NVR 选择 <TCP> 和 <UDP Port>。
宽带路由器的每个端口号都应该与在 NVR 的“设置”菜单的 <网络> -<接口> -<端口> 中指定的端口号相符。
3. 完成后，单击 [Save Settings]。
将保存设置

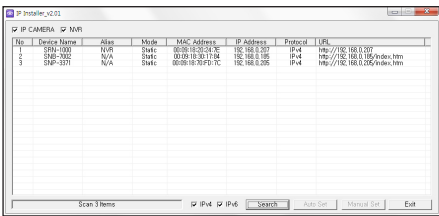
- 以上样本说明基于 CISCO 的宽带路由器。
- 设置可能因连接的宽带路由器型号而异。
有关详细信息，请参阅适用路由器的用户手册。



使用 IP INSTALLER 从共享本地 PC 连接至 NVR

1. 运行 IP Installer。
它将扫描连接的 NVR，并以列表的形式显示这些 NVR。
2. 双击要访问的 NVR。
互联网浏览器将启动，并连接到 NVR。

- 访问 NVR 还可通过在互联网浏览器的地址栏中输入 NVR 的 IP 地址进行。



通过互联网从远程 PC 连接至 NVR

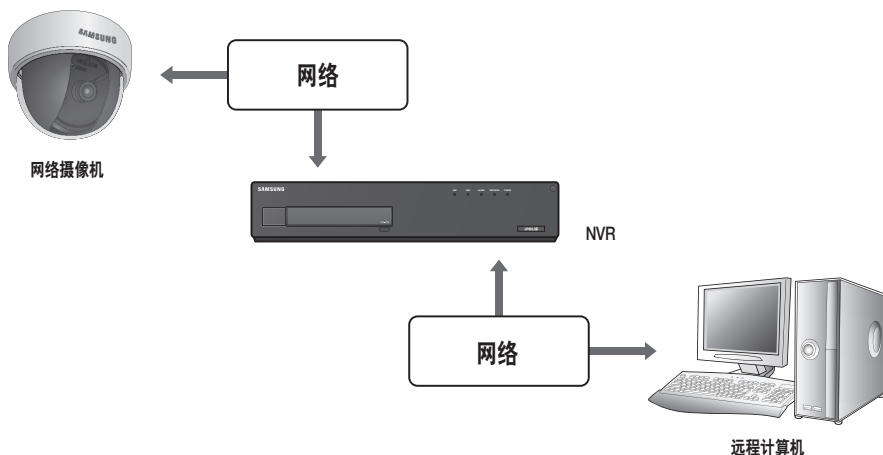
由于不允许在不属于宽带路由器网络群集的远程计算机上使用 IP Installer，所以用户需通过 NVR 的 DDNS URL 在宽带路由器网络内访问 NVR。

1. 您应该设置宽带路由器端口范围转发，然后才能访问宽带路由器网络中的 NVR。
2. 从远程 PC 启动互联网浏览器，并在地址栏中输入 NVR 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])

启动 Web Viewer

什么是 WEB VIEWER?

WebViewer 是一个软件程序，操作人员可以通过这个程序访问远程 NVR（网络视频录像机，Network Video Recorder），以进行实时监视、PTZ 控制（如果已配置）或搜索。



产品特点

- 使用浏览器进行的远程连接
- 已启用 PTZ 摄像机控制
- 支持 1、4、9、16、36 和 64 个摄像机查看格式(列表中最多 64 个摄像机)。
- 以 JPEG/BMP 图像格式保存以方便打印和存储的功能。
- 以 AVI 格式录制视频 - 与流行的媒体播放器兼容。(需要集成的编解码器)

系统要求

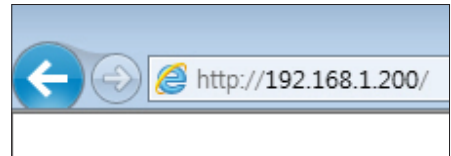
下面列出运行 Web Viewer 所需的最低建议硬件和操作系统要求。

项目	最低	建议
CPU	Intel Core 2 四核 2.5GHz 或更高	Intel i7 或更高
RAM	3GB 或更多	3GB 或更多
HDD	200GB 或更多	200GB 或更多
VGA 内存	512MB 或更多	1GB 或更多
显示器分辨率	1024 x1024 或更高	
操作系统	Windows XP Professional、Windows Vista Home Basic/Premium/Ultimate、Windows 7、Window 8 DirectX 9.0c (使用 Direct3D 加速) Internet Explorer 7、8、9、10 (在 Windows 7、8 64 位环境中需要 Internet Explorer x86)	
网络	10/100/1000 以太网卡	

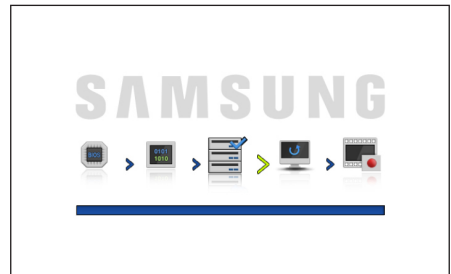
启动 Web Viewer

启动系统

1. 将 NVR 的电源线连接至墙上插座。
2. 它会打开并发出哔声。
3. 打开 Web 浏览器并在地址字段中输入 NVR 的 IP 地址或 URL。



4. 将会看到初始化屏幕。
初始化过程将持续约 2 分钟。
如果安装了新硬盘，初始化过程时间可能会更长。



- LED 可让您在每个级别检查系统操作状态。
当 <ALARM> 和 <REC> LED 同时依次亮起并闪烁时，您可以识别正在完成启动过程。
- 当连接电源线时，NVR 会自动运行。

5. 完成启动过程后，登录窗口将会出现。

设置 Internet Explorer 选项

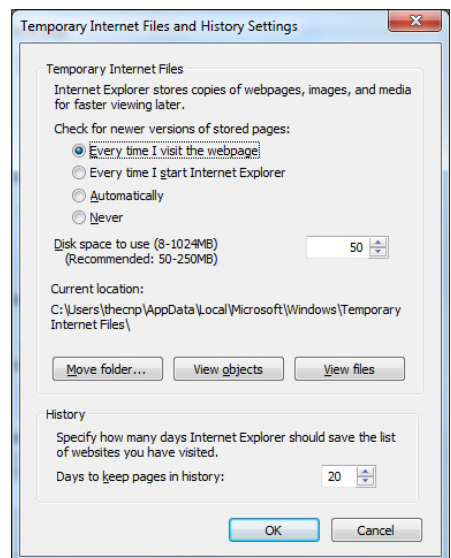
先检查 Internet Explorer 中的下列选项，再启动 Web Viewer 以从 NVR 传输正确的数据。



- “Internet 选项 > 常规选项 > 设置(浏览历史记录) > Internet 临时文件 > 检查所存网页的较新版本。”
每次打开页面之前，都应该设置上方的项目。



- 有关确保正确操作以及提高计算机的 Windows/Internet Explorer 的安全性，请将操作系统和 Internet Explorer 更新到最新版本。



连接 WEB VIEWER

1. 打开 Web 浏览器并在 URL 地址框中输入 NVR 的 IP 地址或 URL。



- “192.168.1.200”为默认情况下设置的 IP 地址。
- 在 IP Installer 或“网络 > 连接模式”中设置为可用的 IP 地址。
- 仅当已完成 DDNS 连接设置时，URL 连接才可用。

2. 具有管理权限的用户应该提供管理 ID 和密码。已注册的用户应该提供用户 ID 和密码。



- 初始管理员 ID 是“admin”，密码应在首次登录时设置。(管理员用户的初始密码设为“4321”。)
- ID 只允许使用字母数字字符。
- 密码中只能使用字母数字和除 <\> 和 <"> 以外的特殊字符。
- 如果要产品与无线路由器配合使用，请设置无线网络的密码。不使用密码保护或使用默认无线路由器密码可能会使视频数据受到潜在威胁。
- 请每隔三个月更改密码以保护个人信息并避免因信息失窃造成损失。请注意，用户应负责安全以及密码管理不善导致的其他问题。

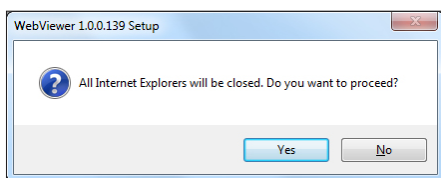


- 它最多允许 10 个用户同时访问，包括管理员和一般用户。
- 它不允许管理员用户多重登录。
- 管理员和一般用户的密码可在 NVR 的 <许可权管理> 菜单中进行更改。
- 所有设置根据 NVR 的设置得以应用。

3. 单击 <Install ActiveX Control...>。



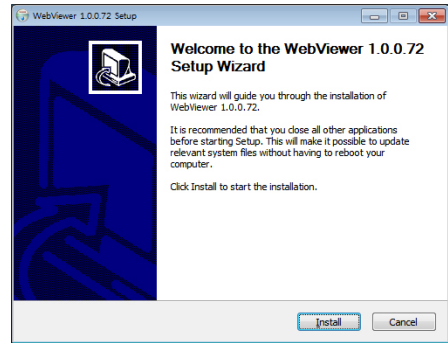
4. 显示安装确认消息时，单击 [Yes] 按钮。



启动 Web Viewer

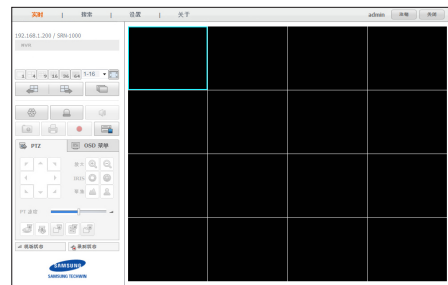
5. 显示程序安装向导窗口时, 按 [Install] 按钮以安装程序。

- 安装的这个程序的版本可能会因更新版本而有所不同。



6. 请在安装软件后打开 Web Viewer, 并再次登录。

安装好程序之后成功登录时, Live Viewer 的主要屏幕将会出现。



如果在相同的计算机上使用 2 个以上的 Web Viewer

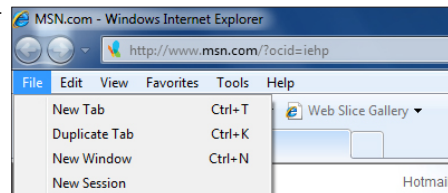
如果正在 Internet Explorer 中操作一个 Web Viewer 时打开另一个新的 Web Viewer, 用户会切换到新登录的用户。在这种情况下, 您可以打在新的会话中打开独立的窗口。然后, 您可以打开新的窗口, 而不应用会话 Cookie, 并且不更改访问帐户。

- Internet Explorer 7、8、9: 登录并激活 Web Viewer 后, 如果您在新的选项卡或独立的 Internet Explorer 实例中运行另一个 Web Viewer, 则要求您再次登录, 并且用于新实例的帐户会取代先前 Web Viewer 实例的先前登录帐户。
- Internet Explorer 7、8、9: 单击“文件 > 新会话”以使用不同于当前所用登录帐户的独立登录帐户打开新的 Web Viewer 窗口。



■ 术语

- **Cookie**: 一个包含用户访问特定网页时创建的信息的临时文件。
- **Session**: 从登录 Web 页面直到关闭页面期间使用的信息。
- **Session Cookie**: 一般称为会话。cookie 存储在用户的计算机中并维护其信息, 而会话 cookie 将在其通信会话到期时到期。一般而言, 会话 cookie 通常用于登录并以加密方式传送相对重要的 cookie 数据。

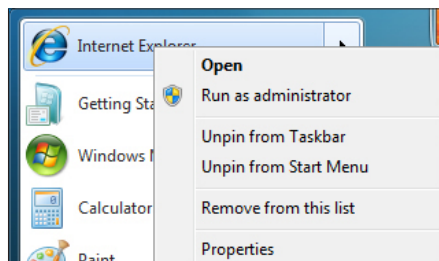


通过用户许可权使用 Web Viewer 的不同点

当在 Windows 7 或 Windows Vista 中运行 Internet Explorer 时，您可以使用管理员许可权运行 Web Viewer。根据您使用的是用户还是管理员的许可权，您有不同的许可权范围。

以管理员身份运行 Internet Explorer 时

- 您可以在使用“现场”或“搜索”菜单中的“捕捉”功能时修改文件保存路径。此外，您可以采用 BMP、JPG 或 PNG 格式保存文件。
- 您可以在保存 AVI 格式的视频时设置保存路径。
- 您可以通过“设置 > 导出”菜单使用 <导出> 功能。



以用户身份运行 Internet Explorer

1. 如果 UAC 未在工作
 - 您不能在使用“现场”或“搜索”菜单中的“捕捉”功能时修改文件保存路径。可以采用 BMP 格式保存文件。
 - 您不能在保存 AVI 格式的视频时设置保存路径。
 - 您可以在使用“设置 > 导出”功能时使用 <导出> 功能。
2. 如果 UAC 正在工作
 - 尝试使用“现场”或“搜索”菜单中的“捕捉”功能时，出现一则警告消息，要求用户以管理员身份运行 Internet Explorer。
 - 尝试保存 AVI 格式的视频时，出现一则警告消息，要求用户以管理员身份运行 Internet Explorer。
 - 尝试使用“设置 > 导出”功能时，出现一则警告消息，要求用户以管理员身份运行 Internet Explorer。

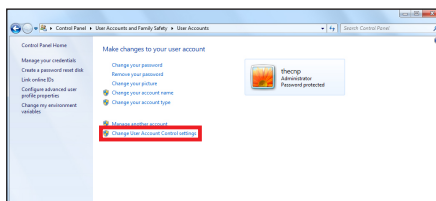
什么是用户帐户控制 (UAC)?

用户帐户控制 (UAC) 是 Microsoft Windows Vista 第一次引入的安全技术。它也包括在 Windows Server 2008 和 Windows 7 中。它旨在通过将使用应用程序的权限限制为标准用户的许可权，直到管理员允许必需的许可权为止，这样来提高操作系统的安全性。

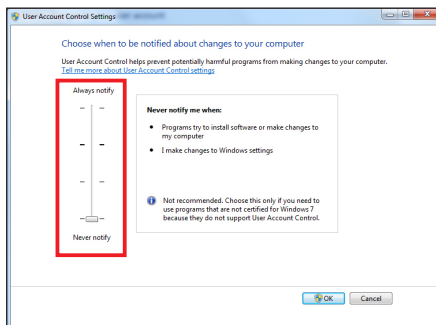
启动 Web Viewer

检查 UAC 工作状态

1. 选择“控制面板 > 用户帐户 > 更改用户帐户控制”设置。



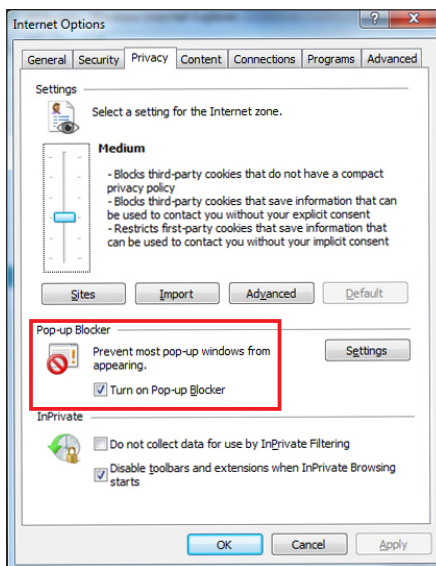
2. 通过调整左边的滑动按钮设置 UAC 设置。



取消激活弹出窗口阻止

使用 Web Viewer 时，用户可以取消激活弹出窗口阻止程序，以使用通知相应状态的弹出窗口。

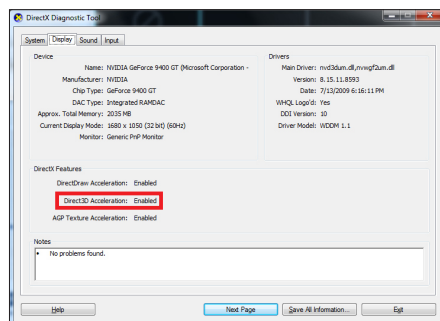
在 Internet Explorer 中，转至 <Internet 选项> 中的的 <隐私> 选项卡。然后取消激活 <使用弹出窗口阻止程序> 项目。



检查 Web Viewer 的 Direct3D 是否正常运行

Direct3D 必须正常运行才能观看 Live Viewer 的视频。

1. 单击位于屏幕左边的 Windows“开始”按钮并打开“搜索程序和文件”窗口。输入“DxDiag”并按 [Enter] 键。
2. “Direct X 诊断工具”页面启动时，转至第二个选项卡：
<显示> 选项卡。
将 DirectX 功能中的“Direct3D 加速”项目设置为 <使用>，
以正常使用 Web Viewer。
3. 如果“Direct3D 加速”项目设置为 <不可用>，请在计算机重新安装显卡驱动程序。



live viewer

LIVE VIEWER

您可以在从远程计算机连接时检查 NVR 中已注册摄像机的视频。此外，您还可以调整摄像机并检查网络传输状态。

Live Viewer 屏幕



菜单	描述
1 选择菜单	通过单击每个菜单切换到相应的菜单屏幕。
2 地址、名称、时间	显示已连接 NVR 的 IP、型号名称和时间等等。
3 系统状态指示符	显示图标以显示屏幕或系统状态。
4 选择分屏模式	选择分屏的类型并指定在显示窗格中显示的频道。
5 更改频道	切换到上一个/下一个频道或执行“自动顺序”。 单击“自动顺序”按钮可以显示“选择时间间隔”菜单。
6 暂停	暂时停止在所有频道中的视频或取消激活处于暂停状态的“暂停”功能。
6 停止警报	在警报发生时将其取消激活。
声音	将连接到每个频道的声音设置为“打开”/“关闭”。

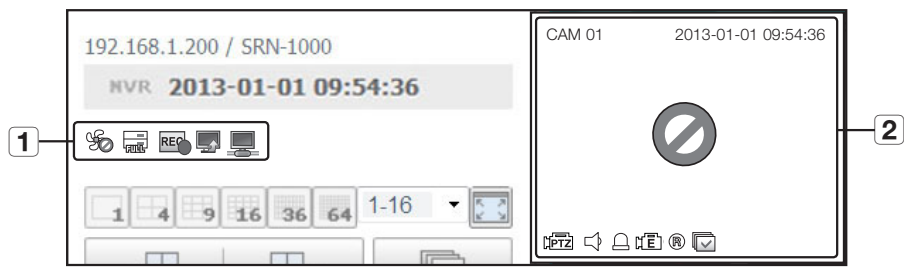
菜单		描述
7	捕捉	在指定的路径中保存所选频道的当前视频。
	打印	通过指定的打印机打印所选频道的当前视频图像。
	另存为 AVI	在指定的路径中以 AVI 文件格式录制现场视频，然后停止录制。 在录制期间，录制状态图标会显示在屏幕上。
	手动 NVR 录制	手动激活和取消激活 NVR 录制。
8	PTZ	控制连接 PTZ 摄像机。
	OSD 菜单	转至摄像机的相关菜单屏幕，此屏幕支持 OSD 菜单和更改菜单。
9	现场状态	显示连接至每个频道的摄像机相应现场状态。
	录制状态	显示每个频道的相应录制状态。
10	显示窗格	显示连接到 NVR 的摄像机的视频。
11	关闭	退出当前远程连接 NVR。 将会弹出确认窗口，以检查您是否确实要关闭 NVR。
12	注销	执行注销过程。
13	ID	显示已连接的用户 ID。

live viewer

现场屏幕配置

系统状态

您可以使用现场屏幕上的图标来检查 NVR 的状态或操作。



菜单		描述		
1	系统操作		冷却风扇出现问题时显示。	
			硬盘需要技术检测时显示。	
				未安装硬盘或现有的硬盘需要更换时显示。
				硬盘空间已满和 NVR 录制空间不足时显示。
			正进行录制时出现。	
				如果因为总录制数据大小超过 100Mbps，使得一些频道只能录制关键帧时，便会显示此项。(第 76 页)
			从网络中发现新固件时显示。	
2	视频输入状态		因网络超载而限制录制时显示。	
			在按下“暂停”按钮时显示。	
			摄像机设置为 <打开> 但无任何输入的情况下显示。	
			没有授予对现场视图的许可权时显示。	
			如果摄像机已 <关闭> 或处于 <转换> 模式，则屏幕上不会显示任何内容。	

菜单		描述
2	视频输入状态	摄像机标题/频道 显示摄像机标题和频道编号。
		当前日期和时间 显示当前日期和时间。
		 会针对具备 PTZ 功能的摄像机连接至的频道显示此图标。
		 显示“音频打开/静音”。 如果取消激活，则不会在视频模式中显示。
		 如果传感器设置为 <打开>，则会在已连接频道的屏幕上显示输入信号。
		 将摄像机事件探测设置为 <打开>，当摄像机事件发生时，便会显示出来。
		Ⓡ / ⓔ / Ⓢ 显示来自录制/事件/时间表的当前录制模式。
		 在“自动顺序”模式下显示，此时所有频道都以特定的时间间隔切换。

 仅在 36 分屏和 64 分屏模式才显示  和 .

错误信息

- 如果未连接内置硬盘，则会在左上角显示带有“无硬盘”字样的图标 ()。在此情况下，应与服务中心联系获取帮助，因为该情况可能会导致无法录制、播放或备份。
- 如果冷却风扇不能正常运转或出现故障，则会出现 <风扇信息> 窗口，且会在左上角显示风扇错误图标 ()。在此情况下，请检查内部风扇是否正常运转。
由于风扇出错可能会缩短产品使用寿命，因此一定要联系服务中心获取帮助。

 如果您在屏幕上看到风扇出错图标或“无硬盘”、“HDD FAIL”图标，请联系服务中心获取更多详情。

- 如果“无硬盘”、“硬盘故障”或风扇错误出现，前面 LED (ALARM, REC) 会保持闪烁。

live viewer

注册摄像机

您应该先注册摄像机并保存相应的设置，然后才能在 Live Viewer 中观看已注册摄像机的视频。

注册摄像机

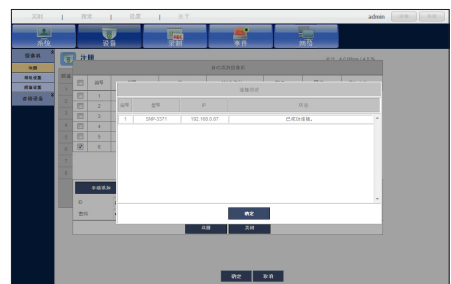
1. 单击 <设置> 菜单。
2. 单击 <设备>-<摄像机>-<注册> 菜单。



3. 在“设备注册”窗口中单击 <自动>。
“自动添加摄像机”窗口将会出现，以列示网络中存在的可用摄像机。
4. 单击摄像机以在列表中注册它们。
5. 为选择的摄像机输入相应的 <ID> 和 <密码>。
6. 单击 [注册] 按钮。
 - 当注册批量选择的多个摄像机时，将只会注册所选摄像机中具有相同用户 ID 和密码的摄像机集。



7. 当“连接测试”确认窗口出现时，检查注册状态，然后单击 [确定] 按钮。
“自动添加摄像机”窗口将会关闭，并且已注册的摄像机会显示在列表中。



8. 单击 [确定] 按钮以完成注册。



- 有关注册和取消注册摄像机的更多详细信息，请参阅“注册用户”。(第 60 页)



更改分屏模式

当单击“选择分屏模式”按钮时，屏幕更改为选择的分屏模式。

 在 36/64 段码屏中，不显示 OSD 信息。



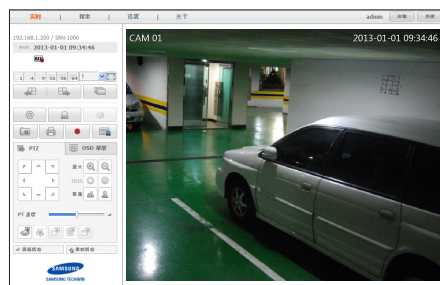
切换至单画面模式

单击 。

监视器屏幕会切换为所显示频道中指定摄像机的单画面。

如果双击所需的摄像机频道，屏幕也会切换为单画面屏幕。

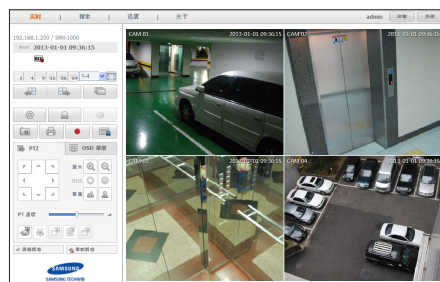
您可以通过单击“上一个”/“下一个”按钮进入上一个/下一个频道。



切换至 4 分屏模式

单击 。

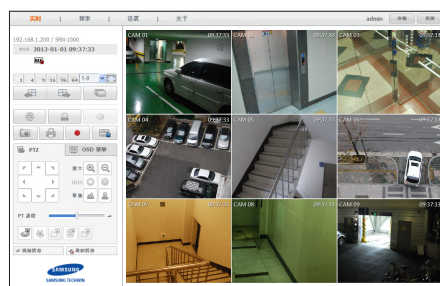
屏幕模式切换至 4 分屏模式，此模式会显示频道组，包括当前指定的摄像机。



切换至 9 分屏模式

单击 。

屏幕模式切换至 9 分屏模式，此模式会显示频道组，包括当前指定的摄像机。

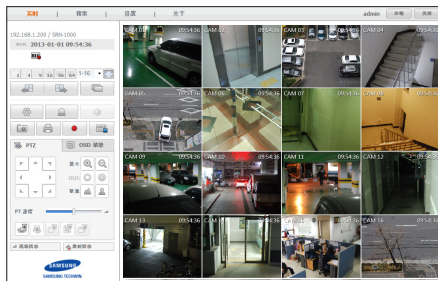


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切换至 16 分屏模式

单击 <  >。

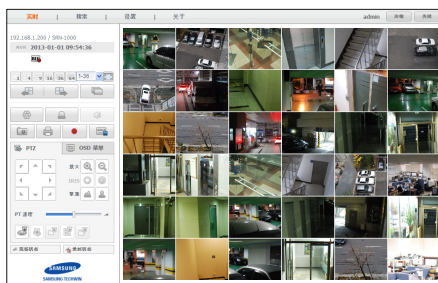
屏幕模式切换至 16 分屏模式，此模式会显示频道组，包括当前指定的摄像机。



切换至 36 分屏模式

单击 <  >。

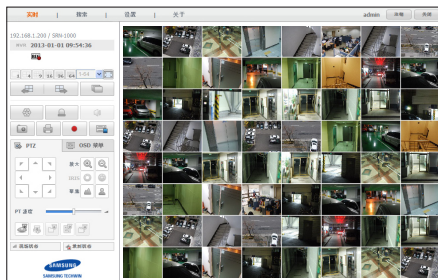
屏幕将切换到 36 分屏模式，同时将包含所选摄像机的通道组放到顶部位置所显示的通道中间。



切换至 64 分屏模式

单击 <  >。

屏幕将切换到 64 分屏模式，同时将包含所选摄像机的通道组放到顶部位置所显示的通道中间。



转至所需的频道屏幕

按“上一个”/“下一个”按钮以切换到上一个/下一个频道组。或者单击“分屏模式”按钮旁边的频道选择条，以在拉下频道列表中选择所需的频道。

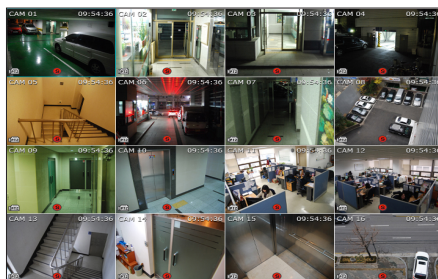


切换至全屏模式

单击 。

当前分屏会以全屏显示。

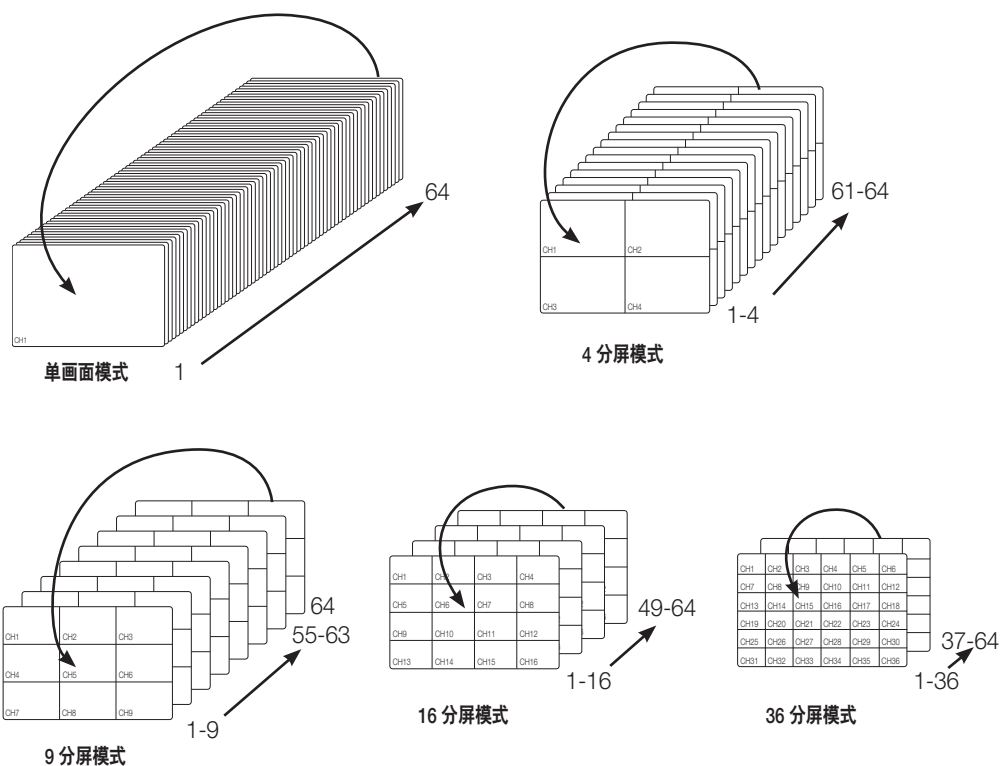
按 [ESC] 键可以退出全屏模式。



切换分屏模式

您可以将 64 个实时图像拆分成 4 分屏、9 分屏、16 分屏、36 分屏，并且按顺序显示这些图像。

自动顺序



■ 当切换到另一个频道时，视频可能会稍微延迟，具体视网络状态而定。

live viewer

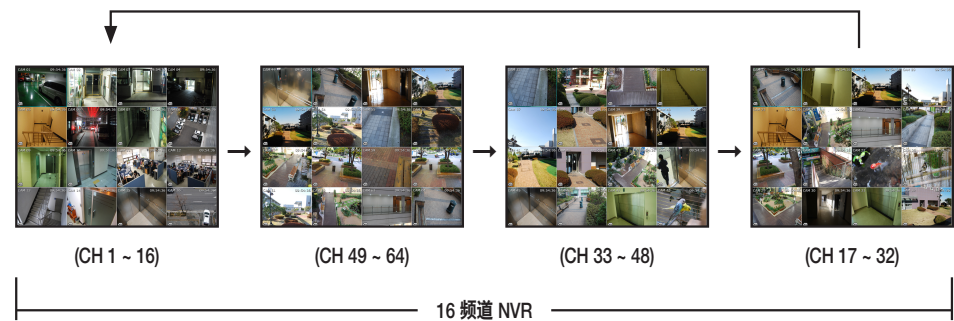
切换到上一个/下一个频道

单击 <  > 或 <  > 按钮。

您可以在当前的分屏模式下转至已连接设备的上一个/下一个屏幕图像。

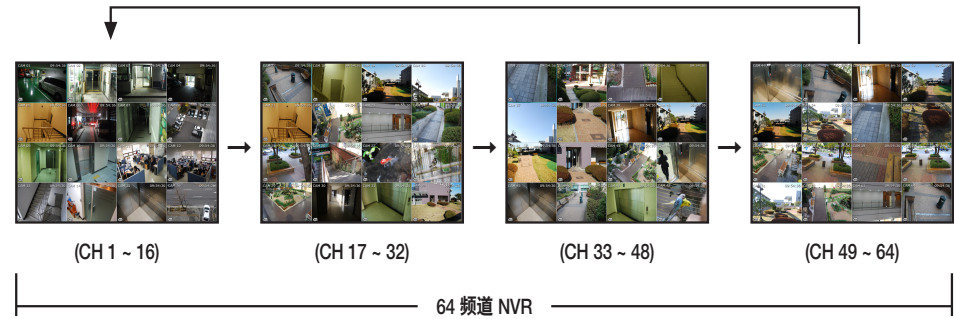
- 上一个：按反向的顺序切换到上一个屏幕。
- 下一个：按顺序切换到下一个屏幕。
- 如果您在 16 分屏模式下按 <  > 按钮：

在 16 分屏模式下按反向的顺序切换：CH 1~16 → CH 49~64 → CH 33~48 → CH 17~32 频道组。



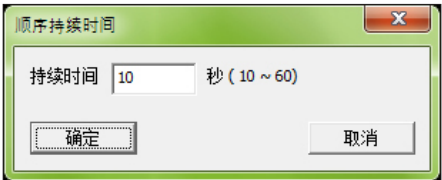
- 如果您在 16 分屏模式下按 <  > 按钮：

在 16 分屏模式下正向的顺序切换：CH 1~16 → CH 17~32 → CH 33~48 → CH 49~64 频道组。



激活自动顺序

1. 单击 <  > 按钮。
将弹出“顺序间隔”对话框。
2. 输入自动顺序间隔。
3. 单击 < 确定 > 按钮。

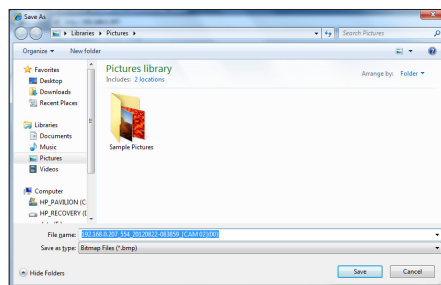


捕捉屏幕

1. 单击  按钮。
弹出窗口出现时，选择所捕捉图像的保存路径。
2. 选择路径并命名文件。然后单击 <Save> 按钮。
3. 将当前摄像机的视频图像为保存 bmp、.jpg 或 .png 文件。

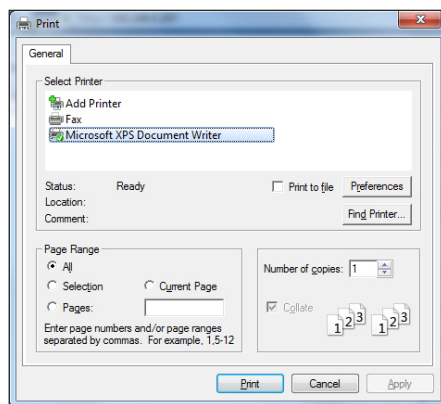


- 如果在 Windows Vista/7 中运行查看器但不具有管理员的许可权，则您可能无法将捕捉的图像保存为 .bmp、.jpg 或 .png 文件。



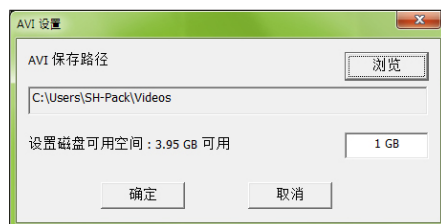
打印屏幕

1. 单击  按钮。
2. 使用连接到运行 Web Viewer 的计算机的打印机，打印当前摄像机的视频图像。



另存为 AVI

1. 单击  按钮。
当“AVI 设置”窗口出现时，选择录制保存路径和容量。
2. 选择所需的路径，输入最大录制容量，然后单击 <确定> 按钮。
 - 将当前频道的视频另为 .avi 文件。为了播放视频剪辑，您可以使用免费的视频播放器来播放此视频。
(例如：GOM Player、KM Player 等等)
 - 保存 AVI 文件后，当在 Windows Media Player 中播放它时会安装编解码器。
 - 但是，视频可能无法正常播放，具体视频播放器是否符合编解码器而定。
至少需要 1GB 可用空间才能进行录制。



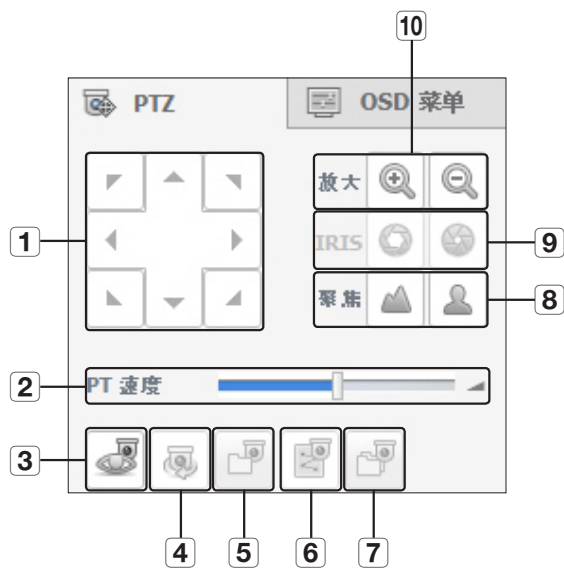
- 当在 Web Viewer 中录制当前数据时，您无法选择“分屏模式”按钮、切换到上一个/下一个屏幕或激活“自动顺序”功能。
- 如果在 Windows 7/Vista 中运行查看器但不具有管理员的许可权，则您在将视频保存为 AVI 文件时可能无法切换文件夹。

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控制连接的网络摄像机。

控制 PTZ

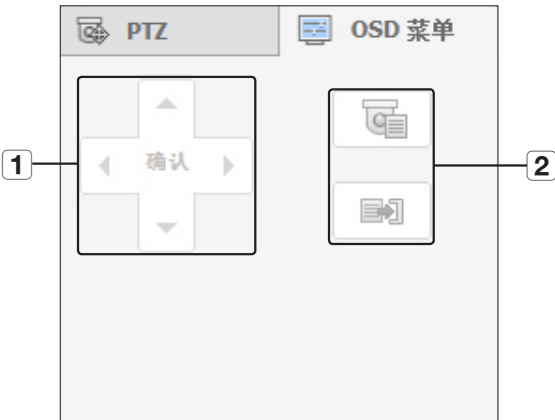
如果已连接 PTZ 摄像机，<  > 图标会出现在屏幕上。当选择相应的摄像机频道时，会提供 PTZ 选项卡以允许您控制 PTZ。



项目		描述
1	方向调整	调整摄像机的方向。
2	PT 速度	调整平移和倾斜反应速度。
3	预设	设置摄像机取景框的预设位置并在选择所需预设时移动到指定的预设位置。
4	摆动	在预设起始点和结束点之间移动。
5	分组	通过结合预设、模式和自动平移在指定的路径中移动。
6	跟踪	在预先定义的路径中移动摄像机的取景框。
7	巡视	通过结合多个分组在指定的路径中移动。
8	聚焦	调整摄像机的焦点。
9	IRIS	通过控制摄像机的光圈来调节图像的亮度。
10	放大	通过控制摄像机的缩放来放大或缩小图像。

控制 OSD 菜单

如果连接的网络摄像机支持 OSD 菜单，则按 <  > 可以进入摄像机的菜单屏幕以更改其设置。



项目		描述
1	方向调整	您可以转至所需的菜单。
	确认	选择所需的项目。
2	摄像机菜单/退出	您可以使用/停止摄像机的 OSD 菜单设置。

 有关摄像机的 OSD 菜单的更多信息，请参阅每个摄像机的相应用户手册。

现场状态

从现场屏幕菜单中选择 <现场状态>，以显示每个频道的已连接摄像机的状态和传输信息。

- 连接：检查已注册摄像机的连接状态。
- IP：检查摄像机的 IP 地址。
- 编解码器：检查摄像机的传输配置文件。
- 分辨率：检查摄像机的配置文件分辨率。
- 发送速率：检查摄像机的配置文件波特率。
- 质量：检查摄像机的配置文件传输视频质量。

现场状态							
频道	型号	连接	IP	编解码器	分辨率	发送速率	质量
1	399P-3271	已连接	192.168.0.87	H.264	640x480	30	18
2	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-

录制状态

从现场屏幕菜单中选择 <录制状态>，以显示每个频道的摄像机配置文件、输入/录制帧速率、输入/限制/录制 bps。

- 配置文件：显示针对每个频道配置的视频配置文件。
- 录制类型：显示应用的录制类型。
您可以在 <录制设置> 中设置录制类型。
- 帧 (fps)：显示每个频道的每秒输入/录制帧数。
- 数据 (Mbps)
 - 限制/输入/录制：显示每个频道的限制/输入/录制数据量。
 - 输入/限制：显示从摄像机传输的实际数据的数据比率，以及用户定义的允许最大值。
- 当前：显示当前传输数据的录制状态信息。
- 最大：显示在配置的标准和事件录制中，录制数据最大的录制信息。
- 刷新：重新装入录制信息。
- 可录制 (日期/时间)：显示根据剩余可用空间计算的可用录制日期和时间。

录制状态									
比特率估计 (当前最大) 0.4 / 100.0 Mbps									
查看详细 刷新									
频道	配置文件	录制类型	帧 (fps)				数据 (Mbps)		
			输入	限制	限制	输入	限制	输入/限制	输入/限制
1	H264	INTER	15.0	15.0	15.0	1.5	1.5	1.5	1.5
2	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-

配置：关闭 硬盘可用空间：504 GB 可录制 (日期/时间)：200 天 / 17 小时
硬盘总大小：500 GB 可录制 (日期/时间)：200 天 / 16 小时

search viewer

SEARCH VIEWER

您可以通过远程访问 NVR，搜索并播放保存在 NVR 中的视频录制内容。

Search Viewer 屏幕



项目		描述
1	选择菜单	通过单击每个菜单切换到相应的菜单屏幕。
2	地址、名称、时间	显示已连接 NVR 的 IP、型号名称和时间等等。
3	声音	将连接到每个频道的声音设置为“打开”/“关闭”。
4	选择分屏模式	选择分屏的类型并选择在“显示窗格”中显示的频道。
5	捕捉	在指定的路径中保存所选频道的当前视频。
	打印	通过指定的打印机打印所选频道的当前视频图像。
	另存为 AVI	录制当前播放的视频图像并在指定的路径中另存为 AVI 文件，然后停止。
	NVR 录制	激活和取消激活 NVR 录制。
6	日历	以蓝色显示录制了视频的日期，以红色显示今天。单击蓝色的日期以在时间线中显示录制的视频信息。

项目		描述
7	重叠的数据	显示并放大/缩小录制的视频数据。如果发现重叠的数据，此功能会选择其中一项数据来播放。
8	播放控制	调整当前视频的播放速度和播放时间位置。
9	录制颜色	如果您将鼠标光标放置在该区域上，则会根据录制的数据类型，显示相应的颜色。
10	显示窗格	如果您选择搜索结果，则在屏幕上播放相应的数据。
11	关闭	终止当前远程连接 NVR。 将会弹出确认窗口，以检查您是否确实要关闭 NVR。
12	注销	执行注销过程。
13	ID	显示已连接的用户 ID。

按日期搜索

您可以使用日历选择搜索日期。

1. 单击 <⏮> 或 <⏭> 以选择要搜索的年。
2. 单击 <⏪> 或 <⏩> 以选择要搜索的月。
包含数据的日期显示为蓝色,今天显示为红色。
3. 在日历中单击要搜索的日期。
在该日期上搜索到视频数据的第一个图像会显示在屏幕上，而数据会显示在时间线中。
4. 搜索今天的视频数据，请单击 <今天>。
将会选择今天的日期。

根据当前录制状态的颜色指示

根据录制的数据类型显示相应的颜色。



- 如果相同的时间线混合 2 种或更多种录制类型，则仅显示优先级较高的录制类型。
(优先级：音频探测 > 视频分析 > 移动 > 传感器 > 计划 > 标准)

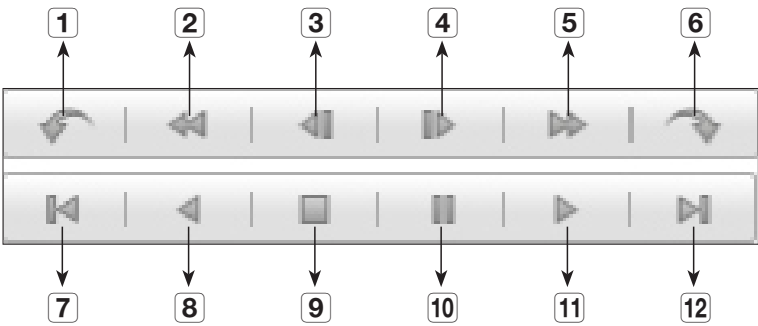
search viewer

调整时间线

如果搜索到的数据重叠，您可以选择所需的数据，移动其播放时间点，然后放大/缩小时间线。

1. 如果数据重叠，请选择要搜索的数据的编号。
仅当数据重叠时，它才会出现，并且为最近的日期分配 <0>。
2. 在时间线上单击要播放的所需时间点。
将会移动播放起始点。
3. 单击 <+> / <-> 可放大/缩小缩放系数以显示时间。
4. 在放大状态下要显示上一个/下一个时间线，请单击 <◀> 或 <▶> 以转至左边或右边。

播放按钮的名称和功能



项目		描述
1	向后跳跃 10 分钟	从当前的播放点向后移动 10 分钟。
2	快退	以双倍速度反向播放。播放速度将会翻倍，最多提高 64 倍。
3	反向分步	从当前的播放点向后移动 1 秒钟。
4	正向分步	从当前的播放点向前移动 1 秒钟。
5	快进	以双倍速度播放。播放速度将会翻倍，最多提高 64 倍。
6	向前跳跃 10 分钟	从当前的播放点向前移动 10 分钟。
7	转至第一	在相应的时间线中移至录制起始点。
8	反向播放	反向播放。

项目		描述
9	停止	停止播放。当恢复播放时，会从录制起始点播放。
10	暂停	暂停播放。当恢复播放时，会从停止点播放。
11	播放	正常播放。
12	转至末尾	在相应的时间线中移至录制结束点。

菜单设置

设置

您可以远程配置网络上的 NVR。
要配置 NVR 设置、请单击 <设置>。

设置屏幕



项目		描述
1	选择菜单	单击每个菜单以切换至相应的菜单屏幕。
2	父菜单	配置设置或选择父项目以更改现有的设置。
3	子菜单	在选择的父菜单的子菜单中，选择要设置的所需项目。
4	禁用菜单	单击要更改的所需项目的输入字段并输入所需值。
5	确定	应用修改的设置。
	取消	恢复先前的设置，而不保存更改。
6	关闭	退出当前远程连接 NVR。 将会弹出确认窗口，以检查您是否确实要关闭 NVR。
7	注销	执行注销过程。
8	ID	显示已连接的用户 ID。

系统设置

您可以设置日期/时间/语言、许可权、系统属性和日志。

日期/时间/语言

设置日期/时间/语言

您可以检查和设置当前日期/时间和与时间相关属性，以及屏幕界面所用的语言。



- 日期：设置在屏幕上显示的日期。
- 时间：设置在屏幕上显示的时间。
- 时区：根据格林威治标准时间 (GMT) 设置所在地区的时区。
 - GMT(林威治标准时间)是标准的世界时间和世界时区的基础。
- 时间同步：指定使用与时间服务器的同步。
 - 单击 <设置> 按钮可显示“时间同步”设置屏幕。
 - 如果您选择使用 <时间服务器>，则当前时间将定期与定义为 <时间服务器> 的服务器同步。如果发生此情况，则不能手动更改时间设置。
 - 同步：指定使用与时间服务器的同步。
 - 时间服务器：输入时间服务器的 IP 地址或 URL。
 - 上次同步时间：显示最近与选定的时间服务器同步的时间。
 - 作为服务器激活：设置为 <使用> 以让 NVR 充当其他 NVR 的时间服务器。



- 在“时间同步”项目的右边，指定是否应用时间同步。

- 显示器：选择日期和时间显示格式。
- DST：设置夏令时及其时间段，在设置的时间段内，使时间比时区内的 GMT 快 1 小时。
- 语言：选择您的语言。设置界面的语言。
提供英语、法语、德语、西班牙语、意大利语、中文、俄语、韩国语、波兰语、日语、荷兰语、葡萄牙语、土耳其语、捷克语、丹麦语、瑞典语、泰国语、罗马尼亚语、塞尔维亚语、克罗地亚语、匈牙利语、希腊语、芬兰语和挪威语。

菜单设置

设置假日

您可以根据喜好将特定日期设为假日。
假日也适用于 <录制计划> 和 <警报输出计划>。



- 例如：选择 1 月 8 日，并仅选中 <1/8> 将每年的 1 月 8 日作为假日。选中 <1/8> 和 <一月 第2星期二> 以将 1 月 8 日和一月的第二个星期二定为假日
- 设置为假日的日期显示为黄色。

选择日期



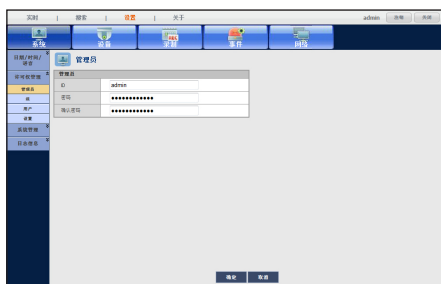
1. 单击 < << > 或 < >> > 以选择要搜索的年。
2. 单击 < << > 或 < >> > 以选择要搜索的月。

许可权管理

您可以设置每个用户对 NVR 的特定功能和设置的许可权。

设置管理员

您可以设置和更改管理员的 ID 和密码。
管理员可以使用和设置所有菜单项与功能。



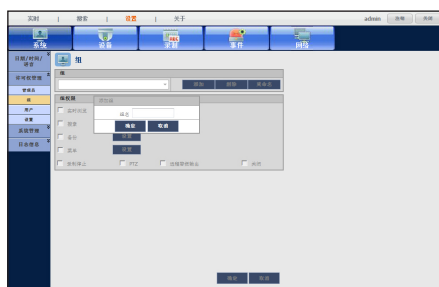
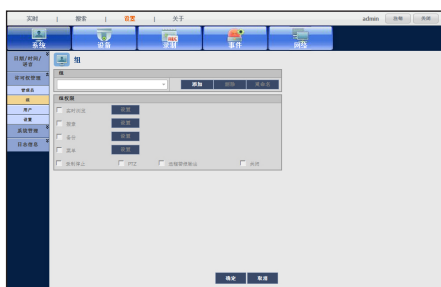
- ID：更改管理员 ID。
- 密码：提供新密码。



- 初始管理员 ID 是“admin”，密码应在首次登录时设置。
(管理员用户的初始密码设为“4321”。)
- ID 只允许使用字母数字字符。
- 对于密码，请使用除 <\> 和 <"> 之外的字母和特殊字符。
- 请每隔三个月更改密码以保护个人信息并避免因信息失窃造成损失。
请注意，用户应负责安全以及密码管理不善导致的其他问题。

设置组

您可以创建用户组，并设置那些用户组的许可权。



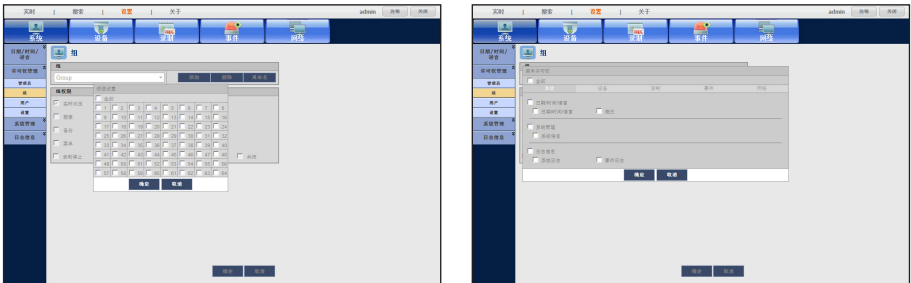
您可以在 <用户> 中为每个组注册用户。

- 添加、删除、重命名：您可以添加、删除、重命名组，或修改为组提供的许可权。
在选择 <添加> 或 <重命名> 时，虚拟键盘将会出现。
最多可以添加 10 个组。
 - 添加：提供要添加的组的名称。
首次启动 NVR 时，管理员是唯一的用户帐户，因此除了“添加”以外，所有其他按钮都会取消激活。
 - 删除：删除已注册的用户组。选择“删除”将删除属于该组的所有用户帐户。
 - 重命名：重命名已注册的组。
- 组权限：设置访问每个组菜单项的许可权。
组用户可以访问选中的功能。

菜单设置

设置组权限

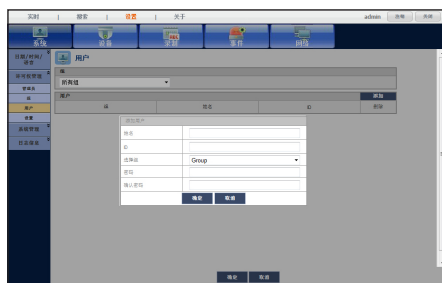
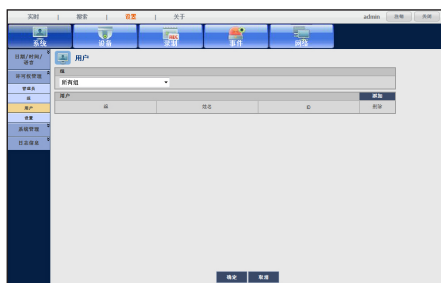
您可以根据频道设置组用户访问菜单的权限。



1. 选择分配组许可权的菜单。
分配组许可权的菜单将在组用户登录时出现在“现场”菜单中。
 - 实时浏览：您可以根据频道设置访问现场屏幕的许可权。
选择复选框以弹出“频道设置”窗口。单击所需频道的复选框以显示实时浏览。
 - 搜索：您可以根据频道设置访问“搜索”菜单的许可权。
选择复选框以弹出“频道设置”窗口。单击可搜索的所需频道的复选框。
 - 备份：您可以根据频道设置访问“备份”菜单的许可权。
选择复选框以弹出“频道设置”窗口。单击要备份的所需频道的复选框。
请注意，Web Viewer 本身不支持自己的备份功能。
 - 菜单：您可以设置使用特定权限可以访问的菜单。组用户只能访问允许的菜单。选择菜单以显示“菜单权限”屏幕。
 - 录制停止、PTZ、远程警报输出、关闭：选择项目，以便将其添加到许可权。
2. 单击 <确定>。
选择并分配组用户，以便用户可以访问指定菜单。

设置用户

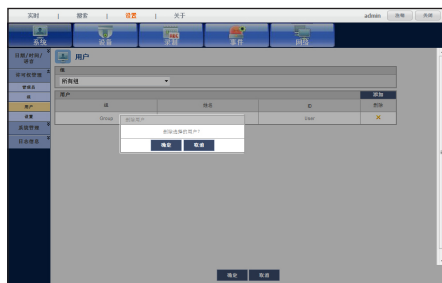
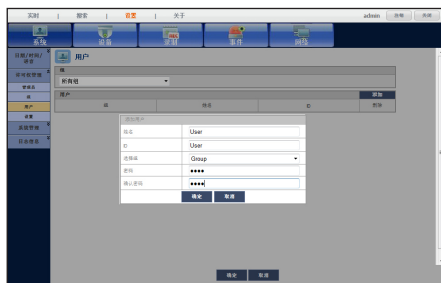
可以添加用户并编辑已注册用户的信息。



注册用户

1. 选择用户组。
必须先注册用户将属于的组，然后才能注册用户。(第 53 页)
2. 输入名称、ID 和密码。
3. 单击 <确定>。
将会在列表中显示已注册的用户信息。

编辑或删除用户信息

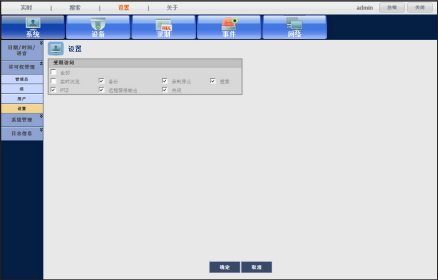


1. 在列表中显示的用户信息中选择项目。
2. 编辑所需的信息并单击 <确定>。
3. 要删除用户信息，请单击在列表中显示的“删除”按钮。
4. 提示确认时，单击 <确定>。

菜单设置

设置许可权

您可以对所有一般用户设置受限访问。
受限项目将要求登录后再使用。



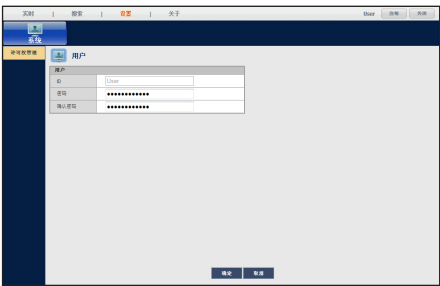
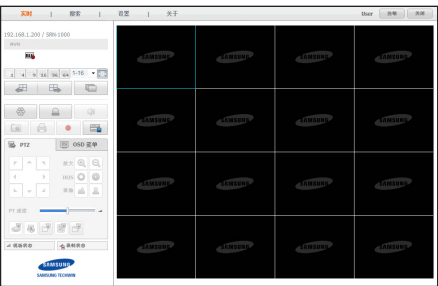
- 受限访问：允许用户使用的所有菜单项可以设置受限访问。
 - 已选中 (☑)：受限
 - 未选中 (☐)：可访问
 - 如果在 <受限访问> 中未选中 (☐)，则不管 <组权限> 设置为何，任何用户均可访问该项目。
 - 如果在 <受限访问> 中选中 (☑)，则仅当用户具有 <组权限> 设置中的许可权时，用户才能访问该项目。

如果用户具有受限的访问权

如果新组限制为访问整个菜单，则属于该组的用户只能访问基本菜单，并且只能更改他们各自的密码。
如果许可权受限，则您只能访问在 Live Viewer 屏幕上可访问的菜单按钮。

使用受限许可权更改一般用户的密码

如果您以具有受限访问权的组的用户帐户登录，则您只能更改您自己的密码。



1. 提供登录信息。
2. 单击 <设置>。
“许可权管理”屏幕将会出现。
3. 提供新密码。
4. 单击 <确定>。
旧密码将更改为新密码。

系统管理

您可以确认当前系统的版本、将其版本更新为最近的版本或初始化设置。

检查系统信息

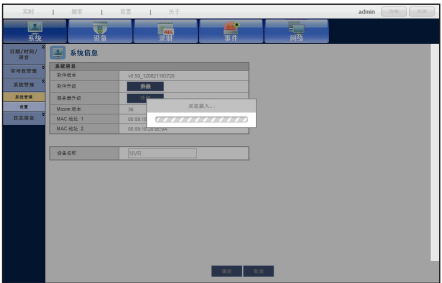
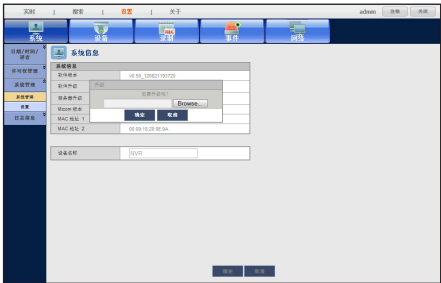
您可以先检查当前软件版本和 MAC 地址，然后再继续升级。
系统并不允许编辑每个设置值。



- 软件版本：显示当前软件版本信息。
- 软件升级：将 NVR 的软件更新到最新版本。
- 服务器升级：如果可从服务器取得可升级文件，则相应的软件将会升级为最近更新的版本。
- Micom 版本：显示内部 Micom 版本。
- MAC 地址 1/2：显示系统 MAC 地址。
- 设备名称：当网络查看器连接至 NVR 时显示。

菜单设置

升级当前软件版本

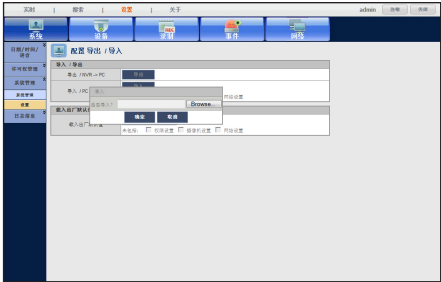


1. 准备软件以进行升级。
 - 对于服务器升级，NVR 必须当前连接到网络中的服务器。
当网络中有新固件可用时，通知升级的相应图标将会出现。(第 34 页)
 - 如果通过代理服务器连接，则可能会由于访问权受限而无法升级。
2. 从 <系统> 窗口中选择 <系统管理>。
3. 选择 <升级>。
4. 选择准备好的软件并按“确定”。
 - 仅当 <软件升级> 的 <版本> 高于 <系统信息> 的 <软件版本> 时，才能执行升级功能。
5. 屏幕会根据升级的每个阶段发生变化。
6. 完成升级后，系统会自动重新启动。
在系统完全重新启动之前，不要关闭系统电源或断开网络。

-  ■ 当“失败”窗口出现时，从第 3 步开始重试。
如果连续失败，请与服务中心联系。

设置

您可以通过使用存储媒体复制和导入 NVR 设置。



- 导出：将 DVR 设置导出到连接的存储设备。
- 导入：从存储设备导入 DVR 设置，然后应用于 DVR。
 - 选中要从导入中排除的项目的复选框。
 - 仅会将未选中的项目应用于 NVR。
- 载入出厂默认值：还原 NVR 的出厂默认设置。
 - 选中要从重置中排除的项目的复选框。然后，只会将未选中的项目恢复为出厂默认值。
 - 如果选择了 **<默认>**，会则提示“**载入出厂默认值**”的确认对话框。
 - 按 **<确定>** 以将系统初始化为出厂默认值。

日志信息

您可以浏览关于系统和事件的日志。

检查系统日志

系统日志显示在系统每次启动、关闭和更改系统设置时的日志和时间标记。



- 搜索日期：单击“日历”按钮以选择所需的搜索日期。
- 第一页：转至搜索结果列表的第一页。
- 最后一页：转至搜索结果列表的最后一页。
- 频道：选择 **<所有频道>** 以扫描所有频道。或者选择所需的频道以扫描特定的频道。
- 类型：如果有很多日志数据，您可以选择所需的日志类型，以轻松地搜索所需的内容。
- 导出：您可以采用文本文件格式导出日志信息。
- ：输入所需的页码并按 按钮以转至相应的页。

菜单设置

检查事件日志

您可以搜索已录制的事件，其中包括警报、摄像机事件和视频丢失。它还会显示日志及其时间标记。



- 搜索日期：单击“日历”按钮以选择所需的搜索日期。
- 第一页：转至搜索结果列表的第一页。
- 最后一页：转至搜索结果列表的最后一页。
- 频道：选择 <所有频道> 以扫描所有频道。或者选择所需的频道以扫描特定的频道。
- 类型：如果有很多日志数据，您可以选择所需的日志类型，以轻松地搜索所需的内容。
- ：输入所需的页码并按 <  > 按钮以转至相应的页。

设置设备

您可以将相关信息保存在摄像机中或储存设备中。

摄像机

注册用户

您可以注册每个频道的网络摄像机并在摄像机之间建立连接。



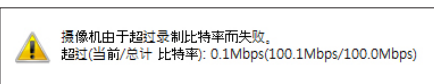
- 协议：显示已注册网络摄像机的协议信息。
- 型号：显示摄像机型号名称。
- IP：显示网络摄像机的 IP 地址。

- 连接：显示连接状态。
 - 注册：这是网络摄像机的默认注册按钮。
在注册之前，它将会显示 <自动>，在注册之后，它将会更改为 <删除>。
 - 数据传输速率：显示从频道接收的数据的总量。
 - 性能：显示用于接收相应数据流量的通信带宽占配置的通信带宽的比例。
请注意，使用 RTSP 和 ONVIF 协议的摄像机需要大约 2 倍的数据流量支持控制流量。
-  ■ 如果 NVR 设置为默认值，则可能未连接摄像机。因此，请在注册之前设置网络环境。
有关更多信息，请参阅“网络配置”。(第 82 页)

自动搜索和注册网络摄像机



1. 单击 <设置> 菜单。
2. 单击 <设备>-<摄像机>-<注册> 菜单。
3. 在“设备注册”窗口中单击 <自动>。
“自动添加摄像机”窗口将会出现，以列示网络中存在的可用摄像机。
■ 按 <刷新> 按钮以检查网络摄像机的更改。
4. 单击摄像机以从列表中选择。
5. 输入所选摄像机的相应 <ID> 和 <密码>。
6. 单击 [注册] 按钮。
■ 当注册批量选择的多个摄像机时，将只会注册所选摄像机中具有相同用户 ID 和密码的摄像机集。
7. 当“连接测试”确认窗口出现时，检查注册状态，然后单击 <确定> 按钮。
“自动添加摄像机”窗口将会关闭，并且已注册的摄像机会显示在列表中。
8. 单击 [确定] 按钮以完成注册。
■ 如果 <性能> 超过系统容量的 100%，则您不能再注册摄像机。

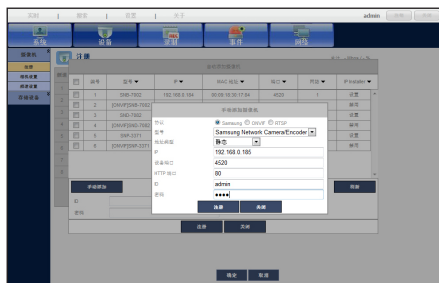


菜单设置



- 注册摄像机时，会自动将所允许的最大比特率分配给为进行注册测试所输入的数据量。
- 保存已注册的摄像机时，“**录制设置**”中的常规/事件录制项目会设置为 <完全帧速率>。请参阅“**录制设置**”。（第 76 页）
- 注册时分配的比特率是 10 秒内所测量的默认配置文件的平均值。
- 从已注册的摄像机切换到另一台摄像机时，所允许的最大比特率不会改变。
- 由于百万像素摄像机提供大小较大的视频数据，您在配置并发监视访问的数量以及视频设置时应适当考虑计算机的性能。
以下是 Web Viewer 的建议计算机需求，可作为 H.264 视频监视的配置指南。
 - 如果同时使用分辨率设置为 1280x1024 并且大小设置为 5120Kbps (CBR) 的百万像素摄像机监视 16 个频道，建议将每个摄像机的最大帧速率为 10fps。
 - 如果同时监视 16 个频道的百万像素摄像机(采用 1280x1024 和 2560Kbps(CBR))和另外 16 个频道的 4CIF 摄像机，建议将每个摄像机的最大帧速率为 5fps。

手动搜索和注册网络摄像机



1. 按“自动添加摄像机”窗口左下角中的 <手动添加>。

2. “手动搜索”窗口将会出现。

3. 选择协议。

输入项目可能会因选择的协议而异。

- Samsung : 符合 Samsung 采用的内部网络协议。
- ONVIF : 表示摄像机支持 ONVIF 协议。当连接在列表中找到其名称的摄像机时, 请选择 <ONVIF>。



■ ONVIF 摄像机与 NVR 之间的时差超过 2 分钟, 无法连接摄像机。在这种情况下, 请使 ONVIF 摄像机的时间与 NVR 同步, 或者将摄像机与 NVR 的时间设置为相同的 NTP 服务器(如果位于相同的时区中), 或者使 NVR 成为 NTP 服务器。

- RTSP : 符合 RFC 2326, 其为实时流的其中一种“实时流协议 (RTSP)”。

4. 如果选择 <Samsung> 协议, 请根据需要选择选项。

• 型号 : 选择摄像机型号。

- Samsung Network Camera/Encoder : 表示摄像机/编码器支持 Samsung 的 SVNP 协议。连接未出现在摄像机列表中的摄像机时, 请选择 Samsung 网络摄像机/编码器。

■ 但是, 如果摄像机未出现在列表中, 则必须选择摄像机的正确型号名称。一些过时的摄像机型号可能不受支持。

• 地址类型 : 选择摄像机的地址类型。

■ 地址类型可能会因所连接的产品型号而异。

- 静态 : 用于手动提供摄像机的 IP 地址。

- iPOLiS DDNS : 仅当已向 iPOLiS DDNS(www.samsungipolis.com) 服务器注册摄像机时, 此项才可用。提供 DDNS ID 的已注册域。

■ 例如) <http://www.samsungipolis.com/snb5000> -> 提供 "snb5000" 作为 iPOLiS DDNS

- MAC (Samsung) : 当摄像机支持基于 MAC 地址的 DDNS 时才可用。

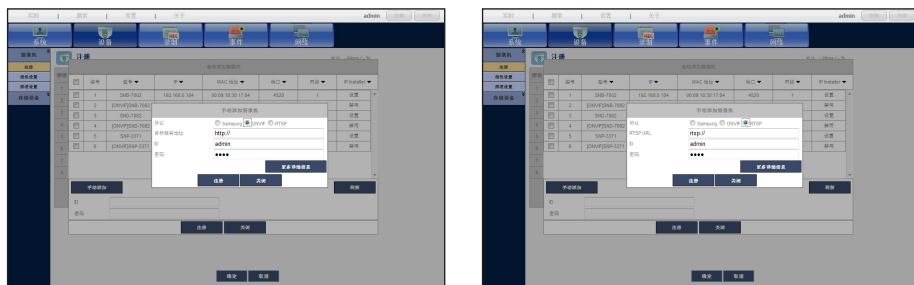
- URL : 用于 URL 地址输入。



■ 请参阅所连接摄像机的用户手册, 并检查摄像机支持的 DDNS 规范。

菜单设置

- IP：提供摄像机的 IP 地址。
 - 设备端口：提供摄像机的设备端口。
 - HTTP 端口：提供摄像机的 HTTP 端口。
 - ID：提供要注册的摄像机的 ID。
 - 密码：输入要注册的摄像机的密码。
5. 选择 <ONVIF> 或 <RTSP> 作为协议并为出现的每个字段输入值。



- 目标服务地址/RTSP URL：输入支持 ONVIF 或 RTSP 的摄像机的 RTSP 访问地址。
有关 RTSP 地址更多的信息，请参阅每个适用网络摄像机的手册。
 - ID：输入用于通过 ONVIF/RTSP 协议进行访问的 ID。
 - 密码：输入用于通过 ONVIF/RTSP 协议进行访问的密码。
 - 模式：选择在 RTSP 连接模式下网络摄像机支持的模式。
 - TCP：与网络摄像机进行的连接类型将切换为“基于 TCP 的 RTP”。
 - UDP：与网络摄像机进行的连接类型将切换为“基于 UDP 的 RTP”。
 - HTTP：与网络摄像机进行的连接类型将切换为“基于 TCP (HTTP) 的 RTP”。
6. 单击 <注册> 按钮注册所选的摄像机。

如果要检查摄像机注册的错误详细信息

如果您无法注册摄像机，将会显示失败的原因。

- **由于未知错误导致连接失败。**：如果由于未知连接状态导致无法注册摄像机，则此消息将会出现。
- **已成功连接。**：如果摄像机已成功连接，则此消息将会出现。
- **型号信息不正确。请提供正确的型号信息。**：如果提供用于注册摄像机的型号信息不正确，则此消息将会出现。
- **身份验证失败**：如果提供用于注册摄像机的 ID 或密码不正确，则此消息将会出现。
- **连接失败(并发用户太多)。**：如果并发用户数超过上限，则此消息将会出现。
- **由于 HTTP 端口信息不正确，连接失败。**：如果摄像机的 HTTP 端口号无效，则此消息将会出现。
- **连接失败。未知连接状态。**：如果由于未知错误导致无法连接摄像机，则此消息将会出现。
- **用户型号修改**：当注册新的摄像机时，如果用户将型号设置为 <Samsung 网络摄像机/编码器>，系统将根据设备的默认值命名摄像机。如果自动注册失败，则用户可以更改要注册的摄像机的型号名称。

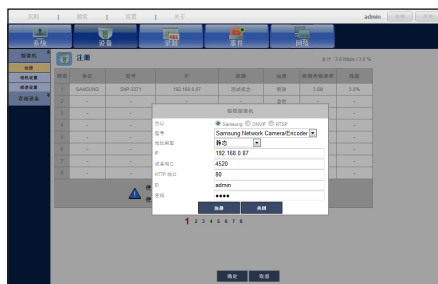
编辑摄像机配置文件

第一次添加摄像机时，会临时依次将它添加为 H.264、MPEG4 和 MJPEG 默认配置文件。要更改其配置文件，请参阅“设置网络摄像机的录制配置文件”(第 77 页)或“现场直播”(第 89 页)。



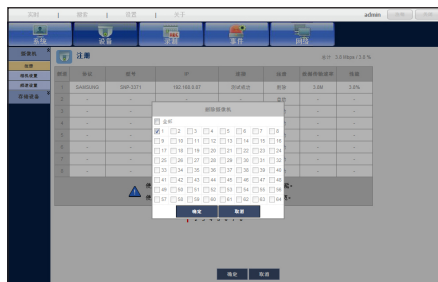
- 对于 NVR，如果您为现场、录制和网络配置文件设置 2 个不同的配置文件，则一个摄像机将相应地产生具有不同流格式的视频流。请特别注意，现场配置文件可能会因所用屏幕分割模式而异。
- 对于摄像机，如果仅提供一个配置文件，则会如配置文件指定那样固定产生的帧速率；如果提供多个配置文件，则不能保证所产生的视频流帧速率。例如，如果提供 2 个 30 fps 的配置文件，则摄像机可能会以 20fps 传输流。

编辑已注册的摄像机



1. 在摄像机列表中单击要编辑的摄像机。
2. 在“编辑摄像机”窗口中选择要编辑的摄像机并修改其信息。
3. 完成后，单击 <注册> 按钮。

删除已注册的摄像机



1. 在摄像机列表中选择要删除的摄像机并单击 <删除>。
2. 在“删除摄像机”窗口中单击所需摄像机的复选框。
单击 <全部> 以删除所有的摄像机。
3. 选择所有需要的摄像机后，单击 <确定>。



- 删除已注册的摄像机时，“录制设置”中的常规/事件录制和最大比特率将被初始化。

菜单设置

摄像机设置

可以更改每个频道的已注册网络摄像机的视频设置。



- 选择摄像机：选择摄像机频道以更改视频传输设置。
 - 配置文件：显示已连接摄像机设置的视频配置文件。
 - 编解码器：您无法更改所选配置文件的编解码器。
 - 分辨率：您可以更改所选配置文件的分辨率。
 - 发送速率：您可以更改所选配置文件的波特率。
 - 质量：您可以更改所选配置文件的视频质量。
 - 比特率控制：您可以更改所选配置文件的视频传输的比特率设置。
 - 添加：添加摄像机配置文件。单击“添加”按钮以显示“添加”窗口。提供信息并单击 **<确定>** 按钮以将其添加至列表。
 - 修改：更改所选的配置文件。选择配置文件并单击 **<确定>** 按钮以显示“修改”屏幕。
 - 删除：从列表中删除所选的配置文件。
-  ■ 如果您更改每个型号的特定配置文件的设置，波特率的有效范围可能会相应更改。
例如) 如果将第一个配置文件的波特率设置为 30fps，则第二个配置文件的发送速率将更改为 15fps。
- 可以在网络摄像机的设置菜单中配置除编解码器、分辨率、传输速率和 传输质量之外的菜单项。
 - 如果您更改当前配置文件设置，则在录制或现场屏幕上可能会中断播放一定的时间。
 - 在 Camera Setup(摄像机设置)页面上进行的更改会立即应用，而通过摄像机网页进行的更改可能需要长达 3 分钟。

频道设置

可以配置每个频道的视频设置。



• 视频

- **<打开/关闭>**：您可以打开/关闭所选频道的摄像机。
- **<转换>**：在继续录制时，仅显示空白屏幕。



- 视频设置为 **<转换>** 的频道不会产生任何声音。
但是，如果频道的“音频”设置设置为 **<打开>**，即使在现场模式中听不到声音，也会录制频道的声音。

• 音频

- 如果设置为 **<打开>**，您可以在现场屏幕上打开/关闭频道的音频。
- 如果设置为 **<关闭>**，现场屏幕上的频道音频会关闭，也不会录制。

• 摄像机名称：提供摄像机名称。

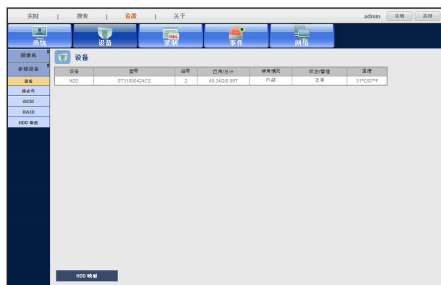
- 最多可以输入 15 个字符，包括空格。

存储设备

您可以检查有关存储设备的信息。

确认设备

您可以检查存储设备及其可用空间、使用情况以及状态。
您可以连接硬盘。

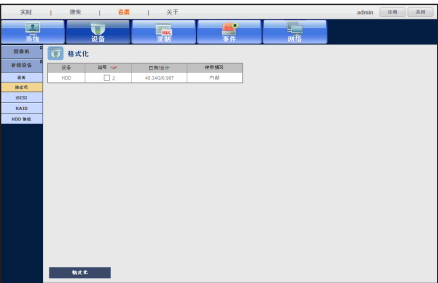


菜单设置

- 编号：显示为内置硬盘分配的编号。
 - 要根据编号查看硬盘的详细定位，请参阅 <HDD 映射>。
 - 已用/总计：显示存储设备的已用容量/总容量。
 - 使用情况：设置存储设备的使用情况。
 - 你可以选择 eSATA 硬盘作为扩展存储器。
- ❗ ■ 如果在扩展 eSATA 硬盘储存设备正在工作时断开其连接，系统可能会重新启动。
- 状态/管理：显示存储设备的状态。
 - 温度：您可以检查安装在 NVR 中的硬盘的温度。
 - HDD 映射：根据指定编号显示内部硬盘的位置。
 - 请参阅这一点进行维修或其他硬盘安装。

格式化

您可以格式化存储设备。

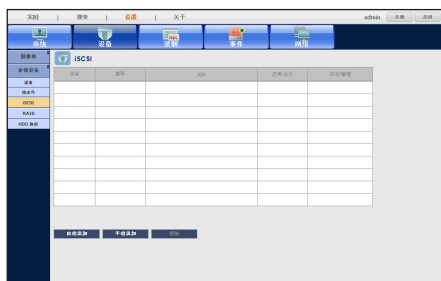


- 编号：选择要格式化的设备的复选框。
- 已用/总计：显示存储设备的已用容量/总容量。
- 使用情况：设置存储设备的使用情况。
- 格式化：选择设备并按此项以显示格式化确认对话框。
按 <确定> 以开始格式化选择的存储设备。

- ❗
- 请注意，格式化设备将会删除所有现有的录制数据。
 - 请注意，格式化进行过程中不能进行录制。
 - 在格式化完成之前，切勿取下设备。

使用 iSCSI 连接

如果使用 iSCSI 设备连接 NVR，可以搜索、连接或断开 iSCSI 设备。

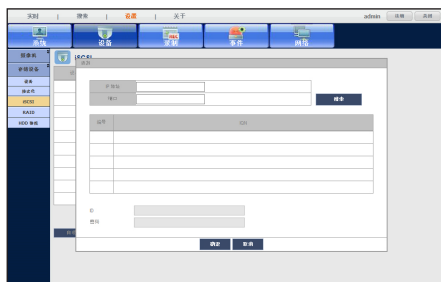


- IQN (iSCSI 限定名称) : 显示命名为 iSCSI 协议格式的 iSCSI 名称。
- 已用/总计 : 显示 iSCSI 设备的已用容量和总容量。
- 状态/管理 : 显示 iSCSI 设备的状态。

支持的产品

Promise Technology vessRAID 1740i 1ea

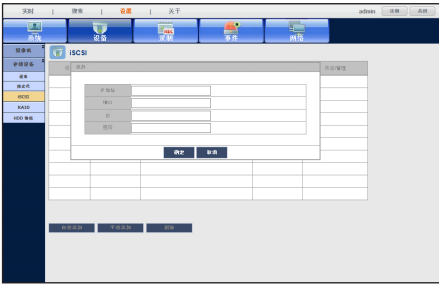
自动注册 iSCSI 设备



1. 在 iSCSI 屏幕上，单击 <自动添加>。
2. 在“自动添加”屏幕上，输入 IP 地址和连接端口，然后单击 <搜索>。
3. 在 IQN 列表上单击该设备。
4. 输入 ID 和密码，然后单击 <确定>。

菜单设置

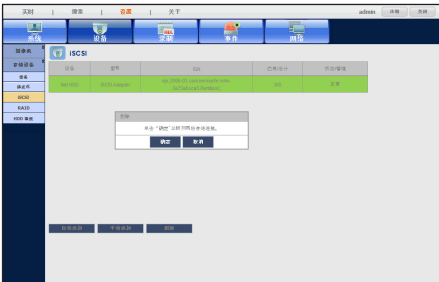
手动注册 iSCSI 设备



1. 在 iSCSI 屏幕上，单击 **<手动添加>**。
2. 在“手动添加”屏幕上，输入 IP 地址、连接端口、ID 和密码，然后单击 **<确定>**。

注销 iSCSI 设备

1. 选择要从 IQN 中选择的 iSCSI 设备。
2. 如果单击 **<删除>**，将出现“删除窗口”。
3. 如果单击 **<确定>**，会从列表中删除这个 iSCSI 设备。



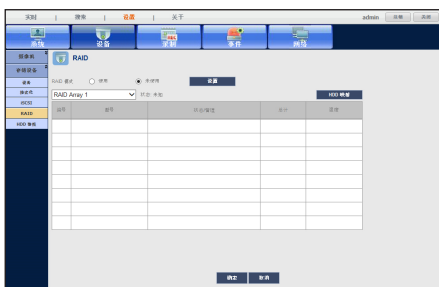
- 让 iSCSI 设备独占使用网络端口 2。
- 当使用集线器连接 iSCSI 和 NVR 时，请确保使用 GIGA 集线器并使用独立网络，以正常保存数据。
- 在 iSCSI 设备中，逻辑驱动器不得超过 16TB。
- 如果在 vesaRAID（与 NVR 兼容的 iSCSI 设备）中使用 CHAP 身份验证，则需要使用 iSCSI “手动添加”功能连接到 iSCSI。
- 如果从多个 NVR 访问一个 iSCSI 设备，则可能会出现这个问题。
- 如果在 NVR 连接到 iSCSI 设备时更改 iSCSI 设备的设置，则可能会出现这个问题。

设置 RAID 模式

如果激活 RAID（独立磁盘冗余阵列）模式，则可以在系统硬盘损坏时安全地恢复数据。此 NVR 的 RAID 级别 5 只能让 RAID 阵列中的一个硬盘在发生故障时还原数据。



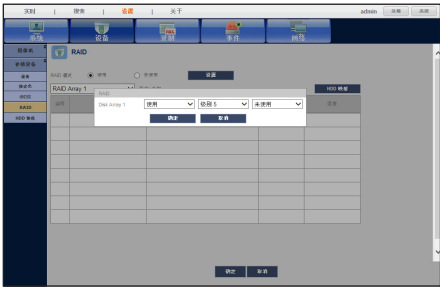
- 如果有 4~8 个内部硬盘，则可以启用 RAID 模式。



- 状态：显示 RAID 阵列的工作状态。
 - 活动：这表明 RAID 阵列正在正常工作。
 - 降级：当构成 RAID 阵列的硬盘发生故障时显示该状态。如果在某个硬盘处于降级状态时有其他硬盘发生故障，则不能使用 RAID 阵列或者不能恢复。立即更换硬盘以便继续进行恢复。
 - 有关如何更换硬盘以及恢复 RAID 阵列的详细信息，请参阅“恢复 RAID 阵列 (Recovering RAID Arrays)”部分。（第 73 页）
 - 恢复：正在恢复 RAID 阵列。如果在恢复状态时有其他硬盘发生故障，则不能使用 RAID 阵列或者不能恢复。
 - 失败：不能使用或者不能恢复 RAID 阵列。
- 状态/管理：它表示构成 RAID 阵列的硬盘的状态。
 - 活动：这表明硬盘正在正常工作。
 - 故障：这表明某个硬盘发生故障。如果想恢复 RAID 阵列，则需要更换硬盘。
 - 删除：这表明某个硬盘发生故障，但系统并未识别。如果想恢复 RAID 阵列，则需要更换硬盘。
 - 重构：这表明正在恢复某个硬盘。
 - 热备用：当某个硬盘发生故障时，为了便于恢复，系统会通过将电源打开并让其处于备用状态来显示这个硬盘。
- 总计：这表明构成 RAID 阵列的硬盘的总容量。
- 温度：可以检查构成 RAID 阵列的硬盘的温度。

菜单设置

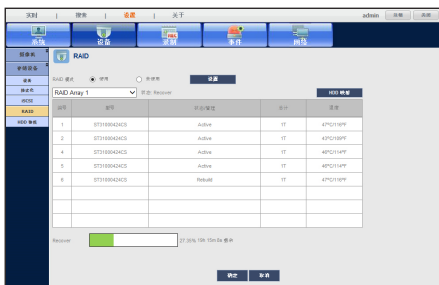
设置 RAID 模式



1. 单击 <使用> 或 <设置> 按钮。
2. 在 RAID 设置窗口中，选择“磁盘阵列 (Disk Array)”设置项目并单击 <确定 (OK)> 按钮。
 - 使用：可以选择是否使用 RAID 模式。
 - 级别：显示 NVR 所支持的 RAID 类型。此 NVR 仅支持 RAID 级别 5。
 - 热备用：可以选择是否启用“热备用 (Hot Standby)”功能。
 - “热备用 (Hot Standby)”功能用于在发生故障时立即恢复指定的硬盘，以最大程度减少由于恢复延迟而造成的数据损失。
3. 显示可用于 RAID 阵列的硬盘列表。在 RAID 屏幕上，单击 <确定>。
4. 将出现数据删除和系统重新启动的消息窗口。如果单击 <确定>，则会重新启动系统以设置 RAID 模式。
5. 如果完成 RAID 构建，则选择 <设置 (Setup)> - <存储设备 (Storage Device)> - <设备 (Device)> - <RAID (RAID)> 以检查构建。

- 如果启用了 RAID 模式，则录制速度会从 100Mbps 降低至 64Mbps。
- 在 RAID 模式中，RAID 阵列的容量为（最小硬盘的容量）x（硬盘总数 -1）。
如果启用了“热备用 (Hot Standby)”，则可用容量为（最小硬盘的容量）x（硬盘总数 -2）。
- 如果硬盘的容量有所不同，则会根据最小容量的硬盘构建 RAID 阵列。
- 构建 RAID 时，建议使用“热备用”模式。
- 如果硬盘有问题，那么启动时间可能比以往长一些。
- 如果启用或禁用 RAID 模式，则会删除现有的数据。
如果想存储以前的数据，请备份该数据。

恢复 RAID 阵列



1. 如果在 <状态/管理 (Status/Management)> 中显示故障/删除的硬盘数量，则在硬盘地图上检查要更换的硬盘位置。
2. 在 Web Viewer 上，关闭 NVR 系统。
3. 从 NVR 中取下发生故障的硬盘并换上新硬盘。
4. 重新启动 NVR，如果选择 <设置 (Setup)> - <存储设备 (Storage Device)> - <设备 (Device)> - <RAID (RAID)>，则会显示恢复的进度。



- 只有管理员帐户才能进行 RAID 构建和取消。
- 更换硬盘时，使用相同容量且相同型号或相同制造商的硬盘。
- 如果想使用硬盘构成 RAID 阵列，则建议使用相同型号的硬盘。
如果不能使用相同型号，则建议使用来自相同制造商的相同容量的硬盘。
- 如果在使用 RAID 阵列时切断电源，则 RAID 阵列可能会发生问题。请避免在未关机的情况下断开电源。
为了获得稳定的电源，建议使用 UPS。
- 激活 RAID 时，如果将其降级为不支持 RAID 的固件，则会取消 RAID 阵列并删除所有数据。
如果降级为固件，必须确保该固件支持 RAID。

菜单设置

HDD 警报设置

您可以设置硬盘故障设置警报设置，如检查警报输出端口、替换警报输出端口、iSCSI 警报输出端口、及其持续时间。



- 检查警报输出端口：如果硬盘产生检查警报，则警报信号将输出到指定的警报输出端口。
- 替换警报输出端口：如果硬盘产生更换警报，则警报信号将输出到指定的警报输出端口。
- iSCSI 警报输出端口：如果系统断开与 iSCSI 设备的连接，会通过指定的警报输出端口发送警报信号。
- 警报持续时间：设置警报信号和蜂鸣声的警报持续时间。
 - 检查警报、更换警报信号将通过选定的警报输出端口(1、2、3 和 4)输出。
 - 如果选择 <蜂鸣声>，将发出哔声。
 - 如果选择 <全部>，将通过背面端口输出哔声和警报信号。

- <检查> 状态表示硬盘正在操作，但它发生问题，需要进行技术检查。
() 会出现在现场屏幕上。
- <更换> 状态表示硬盘有缺陷，需要立即更换。
() 会出现在现场屏幕上。

设置录制

您可以设置计划的录制、事件录制和与录制相关的其他设置。

录制计划

预定日期和时间以便在指定的时间计划录制。



- 频道：选择频道以配置计划录制。
- 全部：将使用相同的录制计划保留全部时间范围(星期一到星期日(包括假日) AM 0~ PM 23)。
- 应用于全部：如果选择 <应用于全部>，“应用于全部”窗口将会出现。
按 <确定> 以将设置应用于所有频道。



- 事件录制和计划录制将在事件/计划之前 3 秒钟开始，以确保录制质量。

通过颜色进行录制设置

颜色	功能	描述
无颜色	不录制	无计划/事件录制
绿色	连续	仅适于计划录制
橙色	事件	仅适于事件录制
白色	两者(连续&事件)	适于计划/事件录制

每次按所选单元格均会按以下顺序循环：<无录制>-<连续>-<事件>-<两者(连续&事件)>。

设置录制时间表

1. 单击所需录制类型以从时间设置单元格下方列出的内容计划。
所选类型的颜色将更改为红色。
2. 单击单元格或将所需区域拖至时间表。
3. 单击 <确定> 按钮以完成并应用时间表。

菜单设置

事件录制持续时间

您可以对事件设置录制的开始和结束点位置。



- 事件前：事件录制将在事件实际发生前的预先确定时间开始。
如果设置为 5 秒钟，录制在发生事件前 5 秒钟开始。
- 事件后：录制将在事件实际结束之后继续预先确定的时间。
如果设置为 5 秒，则录制在事件之后的 5 秒钟内结束。



- 如果视频分辨率大于 4CIF，则录制可能无法执行设置的事件前录制时间。
随着视频数据大小增大，最大事件前录制时间就会反比例缩短。

录制设置

您可以按频道和按标准/事件的录制类型设置分辨率、IPS 和录制质量。
您可以检查每个频道的“完全帧”和“关键帧”录制的帧速率和数据传输量。

设置 NVR 录制



- 标准，事件：配置标准录制和事件录制。
 - 完全帧速率：录制摄像机提供的所有帧。
 - 关键帧速率：仅录制摄像机提供的关键帧。
实际录制速度可能会因摄像机设置而异。一般而言，录制速率是每秒 1 到 2 帧。
 - 关闭：不进行录制。

- 完全帧速率：显示要进行完全帧录制的已接收数据量。
- 关键帧速率：显示要进行关键帧录制的已接收数据量。
- 比特率限制：为每个通道设置允许输入的数据量。
- 音频：指定是否录制从摄像机接收的声音。
- ：显示每个频道的相应录制状态。
- ：更新每个频道的相应录制设置。



- 如果频道的数据传输超出定义的允许限制，则它可能会影响其他频道，并且可能会强制切换至 <关键帧速率> 录制，即使将频道配置为 <完全帧速率> 录制模式也是如此。对于“关键帧”录制频道，受限录制的图标会出现在现场屏幕的顶部。按 <  > 按钮以使受限录制的图标消失。如果传输的数据再次超出限制，它将重新出现。
- 如果频道名称以黄色显示，则表示由于发生问题，已用非指定的摄像机配置文件替换该频道的摄像机配置文件。检查频道信息以了解已应用于以黄色列出的频道的配置文件。

设置网络摄像机的录制配置文件

可以配置视频配置文件设置，以指示网络摄像机(连接至每个频道)进行录制。



- 只能针对摄像机支持的配置文件来配置设置。
- 如果用于录制和网络的配置文件不相同，则摄像机的视频来源可能会与在摄像机中指定的帧速率不相同。

- 配置文件：选择已连接摄像机的录制配置文件。
- 编解码器：显示所选录制配置文件的编解码器信息。
- 分辨率：显示所选录制配置文件的分辨率。
- 发送速率：显示所选录制配置文件的波特率。
- 质量：显示所选录制配置文件的视频质量。

菜单设置

录制选项

可以设置当硬盘变满时，是停止录制还是覆盖。



- 无空间模式：选择硬盘重复录制类型。
 - 覆盖：如果硬盘已满，此选项将覆盖现有数据并保持录制。
 - 停止：如果硬盘已满，此选项将自动停止录制。
- 无空间报警：如果您针对磁盘结束模式选择 <停止>，则此按钮将处于活动状态。指定在硬盘录制结束时使用哔声。
如果您选择它，则会在磁盘已满和录制停止时发出哔声。
- 自动删除：如果选择此选项，时间段列表框将会处于活动状态。指定删除时间段以删除旧于指定日期的所有数据。但是，可以搜索从当前时间到选定日期的数据。

❗ 如果您在完成设置后按 <确定>，将会自动删除旧于指定时间段的现有数据。因此，必要时，建议备份先前的数据以供日后使用。

设置事件

进行传感器检测、摄像机事件或视频损失检测时，您可以为录制进行此设置。

传感器检测

您可以设置传感器的操作条件和连接的摄像机，以及警报输出及其持续时间。

设置 NVR 传感器检测



- 传感器操作：设置传感器的操作模式。
 - <常开>：传感器处于打开状态。如果传感器被关闭，会发出警报。
 - <常闭>：传感器处于关闭状态。如果传感器被打开，会发出警报。
- 摄像机：选择要连接至传感器的频道。
 - 如果选择摄像机，“**摄像机预设设置**”窗口将会出现。
 - 选择频道，并设置预设。
 - 在 PTZ 模式下可进行预设设置。
- 警报输出：设置警报输出方式。
 - 有关警报输出的详细信息，请参阅“**HDD 警报设置**”。(第 74 页)
- 警报持续时间：设置警报信号和警报声音的持续时间。

菜单设置

设置网络摄像机感应器检测



- 传感器操作：设置是否操作连接到每个频道的网络摄像机感应器。
- 摄像机：选择要连接至传感器的频道。
如果选择摄像机，“**摄像机预设设置**”窗口将会出现。
选择频道，并设置预设。
 - 在 PTZ 模式下可进行预设设置。
- 警报输出：设置警报输出方式。
 - 有关警报输出的详细信息，请参阅“**HDD 警报设置**”。(第 74 页)
- 警报持续时间：设置警报信号和警报声音的持续时间。



- 如果连接的网络摄像机(已配置警报输入/输出设置)触发警报，则 NVR 将执行警报输出。

摄像机像机

您可以设置是否对摄像机事件(移动探测、视频分析和音频事件)做出反应以及警报输出/时间。



- 模式：选择是否对摄像机事件做出反应。
- 警报输出：设置警报输出方式。
 - 有关警报输出的详细信息，请参阅“**HDD 警报设置**”。(第 74 页)
- 警报持续时间：设置警报信号和警报声音的持续时间。



- 仅当连接的网络摄像机配置为检测事件并且检测到实际事件时，NVR 才会生成警报输出。

视频丢失检测

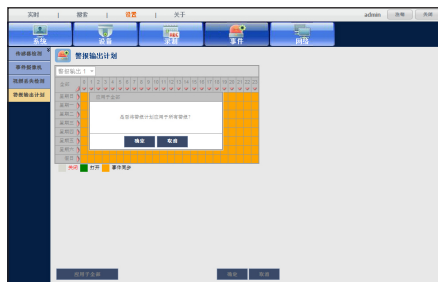
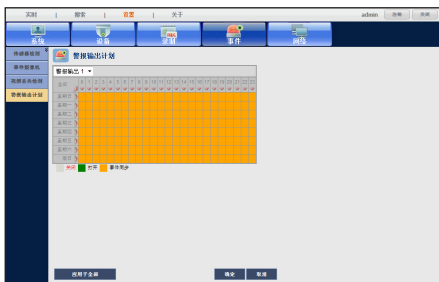
可以对摄像机进行设置，以便在断开摄像机连接或由于网络连接不稳定而导致视频丢失时，摄像机可触发警报。



- 视频丢失状态：指定使用视频丢失检测。
- 警报输出：选择警报输出方式。
 - 有关警报输出的详细信息，请参阅“HDD 警报设置”。(第 74 页)
- 警报持续时间：指定发出哔声的警报输出持续时间。

警报输出计划

您可以设置计划警报的条件和操作时数。



- 警报输出：设置警报输出方式。
 - 有关警报输出的详细信息，请参阅“HDD 警报设置”。(第 74 页)
 - <打开>：以绿色标记，而且总是以计划的时间生成警报。
 - <关闭>：以黑色标记，即使发生事件时也不会产生警报。
 - <事件同步>：以橙色标记，仅当发生事件时产生警报。
- 应用于全部：将配置的计划应用于所有警报。
 - 有关如何设置时间的详细信息，请参阅“设置录制时间表”。(第 75 页)



- 当警报在计划的时间内产生时，您可以通过取消计划停止警报。

菜单设置

网络配置

它从远程位置提供现场屏幕的网络监控，同时根据事件支持邮件转寄功能。您可以配置支持此类功能的网络环境。

接口

您可以设置网络连接路由和协议。

网络 1/网络 2 连接设置

设置网络的协议和环境。



- IP 类型：设置网络连接模式。
- 网络 1 / 网络 2 传输带宽：输入每个网络的上传数据带宽的最大量。
在输入值之前，请检查在“连接模式”中分配的设置。
网络 1 和网络 2 的网络重发的最大量限制为 64MB。默认情况下，网络 1 设置为使用最大带宽。

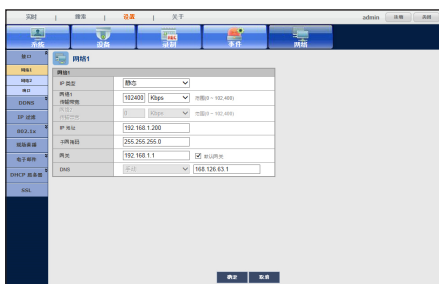
- 尽管为网络 1 和网络 2 分配了相同范围中的 IP 地址，但如果连接到物理上不同的网络，则只有网络 1 可访问。
- 即使仅网络 1 和网络 2 的一个以太网端口连接到网络，如果为它们分配相同范围中的静态 IP 地址，则网络 1 和网络 2 都可访问。

- IP 地址、子网掩码、网关和 DNS
 - 对于 <静态>：您可以直接输入 IP 地址、网关、子网掩码和 DNS。
 - 对于 <DHCP>：将会自动设置 IP 地址、网关和子网掩码。
 - 对于 <PPPoE>：将会自动设置 IP 地址、网关和子网掩码。

- ID、密码：如果您选择 PPPoE，则需提供“ID”及其“密码”。

- 仅当您选择了 <手动> 时，用户才能设置 <DHCP> 和 <PPPoE> 的 DNS 服务器。
- 根据分配的总重发数据量，Live Viewer 接收的数据量限制为每个频道所有分散的数据量之和。
因此，在现场模式中实际接收的视频数据量可能比在设置中指定数据传输量少。为了更流畅地观看视频，您可使用比特率设置增大数据流量并以单画面屏幕或分屏模式观看较少频道数的视频。

不使用路由器设置网络连接

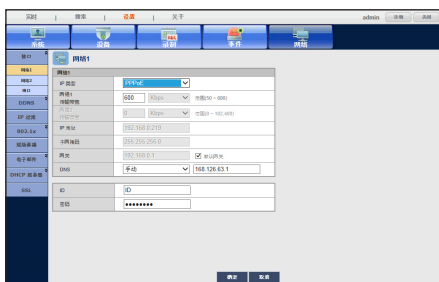


• 静态

- 互联网连接：静态 IP PPPoE、租用线路和 LAN 环境允许 NVR 和远程用户间的连接。
- NVR 网络设置：将已连接 NVR 的 <网络> 菜单中的 <接口> 设置为 <静态>。
- 请咨询您的网络管理员以获取 IP、网关和子网掩码。

• DHCP

- 互联网连接：将 NVR 直接连接至有线电视网调制解调器、DHCP、PPPoE 调制解调器或 FTTH 网络。
- NVR 网络设置：将已连接 NVR 的 <网络> 菜单中的 <接口> 设置为 <DHCP>。
- 如果未在 1 分钟内分配 IP，则会将它设为先前的静态 IP。



• PPPoE

- 互联网连接：PPPoE 调制解调器直接连接至 NVR，此时 PPPoE 连接需要用户 ID 和密码。
- NVR 网络设置：将已连接 NVR 的 <网络> 菜单中的 <接口> 设置为 <PPPoE>。
- PPPoE <ID> 和 <密码> 应该与 PPPoE 用户信息相同。
- 如果您不知道 ID 和密码，请咨询您的 PPPoE 服务提供商。

菜单设置

使用路由器设置网络连接



■ 为避免 IP 地址与 NVR 的静态 IP 发生冲突，请检查下列各项：

• 使用静态 IP 设置 NVR

- 互联网连接：您可以将 NVR 连接至与 PPPoE/有线电视网调制解调器连接的路由器上或连接至在局域网 (LAN) 环境中的路由器上。

• 设置 NVR 网络

1. 将已连接 NVR 的 <网络> 菜单中的 <接口> 设置为 <静态>。
2. 检查设置的 IP 地址是否在宽带路由器提供的静态 IP 范围之内。
IP、子网掩码的网关：请咨询您的网络管理员。
 - 检查设置的 IP 地址是否在宽带路由器提供的静态 IP 范围之内。



■ 如果 DHCP 服务器配置了开始地址 (192.168.0.100) 和结束地址 (192.168.0.200)，您应在配置的 DHCP 范围 (192.168.0.2 ~ 192.168.0.99 和 192.168.0.201 ~ 192.168.0.254 之外) 设置 IP 地址。

3. 检查网关地址和子网掩码是否与设置在宽带路由器中的相同。

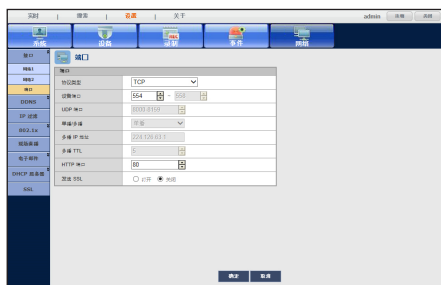
• 设置宽带路由器的 DHCP IP 地址

1. 要访问宽带路由器配置，在连接到宽带路由器的本地计算机上打开 Web 浏览器，然后输入路由器地址(如：http://192.168.1.1)。
2. 在此阶段，按下例配置本地计算机的 Windows 网络：
例如) IP：192.168.1.2
子网掩码：255.255.255.0
网关：192.168.1.1
 - 在连接到宽带路由器之后，会提示输入密码。虽然在“用户名”字段中什么也不用输入，但是需在密码字段中输入“admin”，并按 <确定> 以访问路由器配置。
 - 访问路由器的 DHCP 配置菜单和设置其 DHCP 服务器激活，并提供开始和结束地址。
设置开始地址 (192.168.0.100) 和结束地址 (192.168.0.200)。



■ 以上步骤可能根据厂商的路由器设备而有所不同。

设置端口



- 协议类型：选择 TCP 和 UDP 间的协议类型。
 - 如果选择 UDP，UDP 端口和单播/多播项目将处于活动状态。
 - 如果将它设置为 TCP，“设备端口”项目将处于活动状态。
- 设备端口：输入可连接的端口号。最初设置为 <554>。
 - TCP：与 UDP 相比，它具有更好的稳定性和较低速度，建议用于互联网环境。
- UDP 端口：最初设置为 <8000~8159>。按 160 的倍数增加/减少。
 - UDP：与 TCP 相比，其稳定性低且速度较快，建议用于局域网 (LAN) 环境。
- 单播/多播：在单播和多播中选择一个。

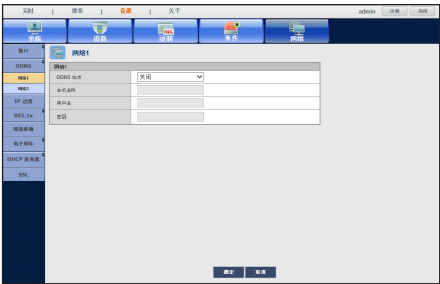
如果选择多播，则会激活多播 IP 和 TTL。

 - 单播：将数据 (UDP、TCP) 分别传至每个连接的客户端。
 - 多播：多个客户端可接收该数据(仅以 UDP)，而不会为网络增加额外的流量负载。
- 多播 IP 地址：用户可直接输入。
- 多播 TTL：从 0 ~ 255 中选择。TTL 的初始值设为 <5>。
- HTTP 端口：输入 Web Viewer 的端口号。最初设置为 <80>。
- 发送 SSL：选择该选项可发送 SSL。

菜单设置

DDNS

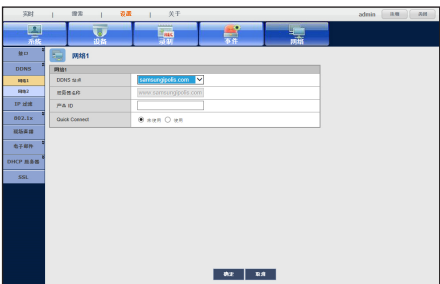
您可以为远程用户的网络连接设置 DDNS 站点。



- DDNS 站点：指定使用 DDNS 并选择要注册的站点。
- 主机名称：提供向 DDNS 站点注册时使用的主机名。
- 用户名：提供向 DDNS 站点注册时使用的用户 ID。
- 密码：提供向 DDNS 站点注册时使用的密码。



- 如果选择 <关闭>，输入框将处于不活动状态。
- 如果选择 <samsungipolis.com>，则会禁用“服务器名称”字段。



- Quick Connect：针对 <DDNS 站点> 选择 <samsungipolis.com> 时出现。
要使用该功能，请在将 NVR 连接至 UPnP 路由器后设置为 <使用>。



- 如果在 Quick Connect 配置期间取消，它会自动切换为 <未使用> 并保存。

检查 Quick Connect 状态

Quick Connect 的进度栏及其消息会出现。

- **Quick Connect 成功**：成功连接的消息。
- **网络配置无效**：如果网络配置无效，该消息将会出现。请检查配置。
- **请启用路由器的 UPnP 功能**：如果路由器需要启用 UPnP 功能，该消息将会出现。
- **找不到路由器**：如果找不到路由器，则该消息将会出现。请检查路由器的配置。
- **请重新启动路由器**：如果应该重新启动路由器，则该消息将会出现。
- **该端口已被另一个设备使用**：请更改端口号。

DDNS 设置

DDNS 是动态域名命名系统 (Dynamic Domain Naming System) 的缩写形式。

DNS(域名系统)是一种服务，它将包括用户友好特征(如：www.google.com)的域名发送至包括(64.233.189.104) 数字的 IP 地址。

DDNS(动态 DNS)是一种通过 DDNS 服务器注册域名和浮动 IP 地址的服务，以便使域名不会发送至 IP 地址中，即使 IP 在动态 IP 系统进行更改的情况下。

• 在 NVR 中设置 DDNS

在已连接 NVR 的 <协议> 菜单中将 <协议类型> 设置为以下各项：

例如) 协议类型：TCP

设备端口：554 ~ 557

DDNS 站点：iPOLiS

• 路由器的 DDNS 设置

选择路由器网络传输协议的相应菜单。

• 设置路由器的 UPnP

请参阅路由器的文档以启用路由器的 UPnP 功能。



- 如果您通过集线器（路由器）进行 DDNS 连接并且使用 HTTPS，那么您需要转发到端口 443。

IP 过滤

可以创建想要授予或拒绝访问权限的 IP 列表。



• 过滤类型：

- 拒绝：将限制从添加至过滤列表的 IP 进行的访问。
- 允许：将只接受从添加至过滤列表的 IP 进行的访问。

• 使用：选择要使用 IP 过滤的 IP 的复选框。

• IP 地址：输入要过滤的 IP 地址。

• 过滤范围：如果输入 IP 地址及其前缀，允许/拒绝 IP 地址的范围将会出现。



- 如果摄像机的 IP 包括在“拒绝”列表中或在“授予”列表中排除，则会阻止访问摄像机。

菜单设置

802.1x

连接至网络时，您可用选择是否使用 802.1x 协议并安装相应的证书。

802.1x 是服务器与客户机之间的认证系统，用于避免在网络中传输的数据受到黑客、病毒、泄露攻击。通过使用 802.1x 验证，将会阻止未经验证的客户机进行访问，只允许经过验证的客户机进行通信，并且安全性得到大幅提高。



- IEEE 802.1x：指定使用 802.1x 协议。
- EAPOL 版本：选择要用作协议 EAPOL 版本。
 - 当选择 <2> 时，一些交换机集线器可能无法正常工作。一般情况选择版本 <1>。
- ID：输入 RADIUS 服务器管理员提供的 ID。
 - 如果提供的 ID 与客户机证书中的 ID 不匹配，则不能正确处理。
- 密码：输入 RADIUS 服务器管理员的提供的密码。
 - 如果提供的密码与客户机私钥的密码不匹配，则不能正确处理。
- CA 证书：如果它是包括公共密钥的授权证书，则选择它。
- 客户端证书：如果它是包括客户机的认证密钥的授权证书，则选择它。
- 客户端私钥：如果它是包括客户机私钥的授权证书，则选择它。

- 要构建 802.1x 环境，管理员应该使用 RADIUS 服务器。
此外，已连接到服务器的交换机集线器应该支持 802.1x。
- RADIUS 服务器、交转机集线器和 NVR 设备中的时间设置必须同步。否则，通信可能会断开。
- 如果为客户机的私钥指定密码，服务器管路理员应该确认 ID 和密码。
ID 和密码各自最多允许 30 个字符。(但是，只允许字母数字字符和“-”，“_”，“。”)
允许访问未用密码锁定的文件，而不需要输入密码。
- NVR 采用的 802.1x 协议是 EAP-TLS。
- 所有 3 个证书都必须安装才能正常使用 802.1x 环境。

菜单设置

- 使用认证：如果 SMTP 服务器使用用户身份验证，请选择此项。将会激活帐户输入框。
- ID：当连接至 SMTP 服务器时输入要使用验证的用户。
- 密码：输入 SMTP 服务器用户的密码。
- 安全传输：选择 <从不> 或 <TLS (如果可用)>。
- 发件人地址：使用虚拟键盘输入发件人的电子邮件地址。
- 电子邮件测试：对服务器设置进行测试。

事件设置

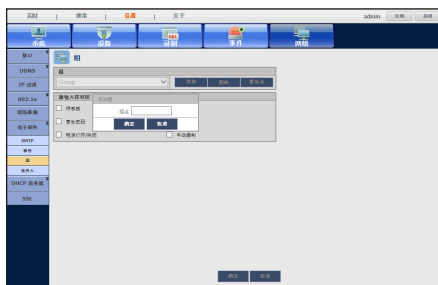
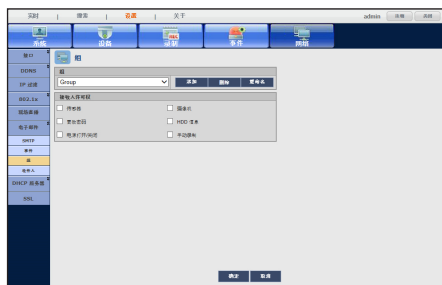
您可以设置将会发送至用户的事件的时间间隔和类型。



- 事件间隔：设置事件间隔。
 - 如果发生一系列事件，则会以特定的时间间隔，而不是按每个事件发送电子邮件。
 - 当设置到秒钟时，图像未传输。
- 使用事件传输：选择在事件发生时，要发送的事件类型。如果发生选择的事件，将会向具有接收权限的小组发送电子邮件。

组设置

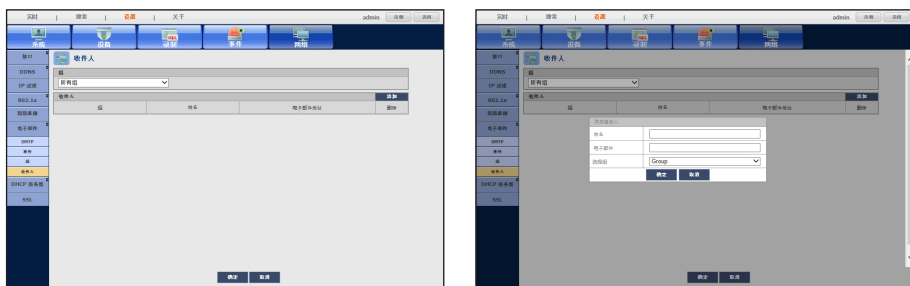
您可以设置要将电子邮件发送至的组，并为每个组指定许可权。除了 NVR 用户组之外，还可以从 <收件人> 项目中添加电子邮件收件人。



- 组：指定接收电子邮件事件通知的收件人组。
 - 添加：单击该按钮以显示已添加组名输入对话框。输入名称，然后单击<确定>以添加组。
 - 删除：删除选择的组。
 - 重命名：您可以重设现有组的收件人许可权。
- 收收入许可权：设置收件人组的许可权。

收件人设置

可以针对指定的组添加/除去收件人以及编辑组(如果需要)。

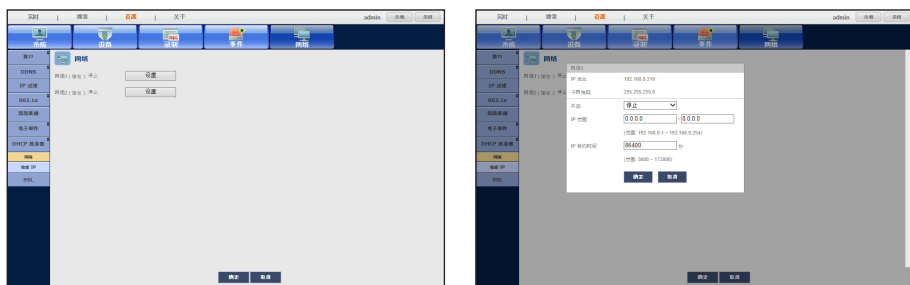


- 选择接收电子邮件通知的收件人组。
仅当至少将一个组添加至 <组> 项目时，才会显示组列表。
 - 添加：您可以选择收件人名称、电子邮件地址或组。
应该已在 <组> 菜单项中创建组，然后才能将用户添加至组。

DHCP 服务器

可以设置内部 DHCP 服务器，并且可以为网络摄像机分配 IP 地址。

设置网络



- 网络 1/2：选择 <设置>，然后设置服务器的 IP 范围及时间。

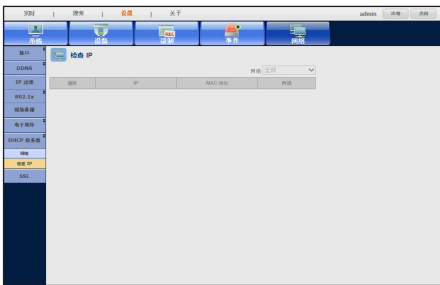
菜单设置

设置 DHCP 服务器

1. 在“DHCP 服务器设置”屏幕上，单击 <设置>。
2. 在 <状态> 字段中选择 <运行>。
3. 在 <IP 范围> 字段中输入起始 IP 和结束 IP。
4. 输入 <IP 租约时间>。
5. 单击 <确定>。
输入的 IP 范围将被设置为网络的 DHCP 服务器地址。

检查 IP

可以通过 DHCP 服务器检查当前使用的 IP 和 Mac 及所连接的网络端口。



- 网络：选择网络端口，以检查 IP 信息及其他信息。

SSL

您可以选择安全连接系统或安装公共证书。



- 安全连接系统：您可以选择一种类型的安全连接系统。
 - HTTP（非安全连接）
 - HTTPS（使用唯一证书的安全连接）
 - HTTPS（使用公共证书的安全连接）
 - 安装公共证书：您可以浏览和注册要安装的公共证书。
如果您希望使用证书，您需要安装证书文件以及加密文件。
 - 只有存在已注册公共证书的情况下才能选择 <HTTPS（使用公共证书的安全连接）> 菜单。
- 如果您通过集线器（路由器）进行 DDNS 连接并且使用 HTTPS，那么您需要转发到端口 443。

附录

产品规格

项目		详细信息
显示		
网络摄像机	输入频道	最多 64CH
	输入带宽	100Mbps
	分辨率	CIF ~ 5M
	协议	Onvif(Samsung、Axis、Sony、Panasonic)、Samsung
现场	本地显示	不适用
	Web	1 / 4 / 9 / 16 / 36 / 64 顺序
性能		
操作系统	嵌入式	Linux
录制	压缩	H.264、MPEG-4、MJPEG
	录制带宽	100Mbps
	分辨率	CIF ~ 5M
	类型	标准、计划、事件 (之前/之后)
	事件触发器	传感器、视频损失、摄像机事件 (视频分析、移动探测、音频探测)
	事件动作	电子邮件、PTZ 预设、警报、蜂鸣器
播放	搜索模式	日期/时间, 事件
	同时播放	4 频道
	分辨率	CIF ~ 5M
	播放控制	快进/快退、上移一步/下移一步
存储器	内置	1TB SATA 硬盘 (硬盘插槽: 8) ※ 支持 3TB。
	个端口	e-SATA (2 个端口), iSCSI 存储 (最大 32TB)
备份	文件备份 (通过 Web)	JPEG, AVI (Web viewer)
	功能	单频道播放、日期-时间/标题显示
传感器	I/O	输入 16 / 输出 4
音频	输入	64 频道 (网络)
	压缩	G.711、G.726
连接器	以太网	2 RJ-45, 10/100/1000 Base-T
	eSATA	2 EA

附录

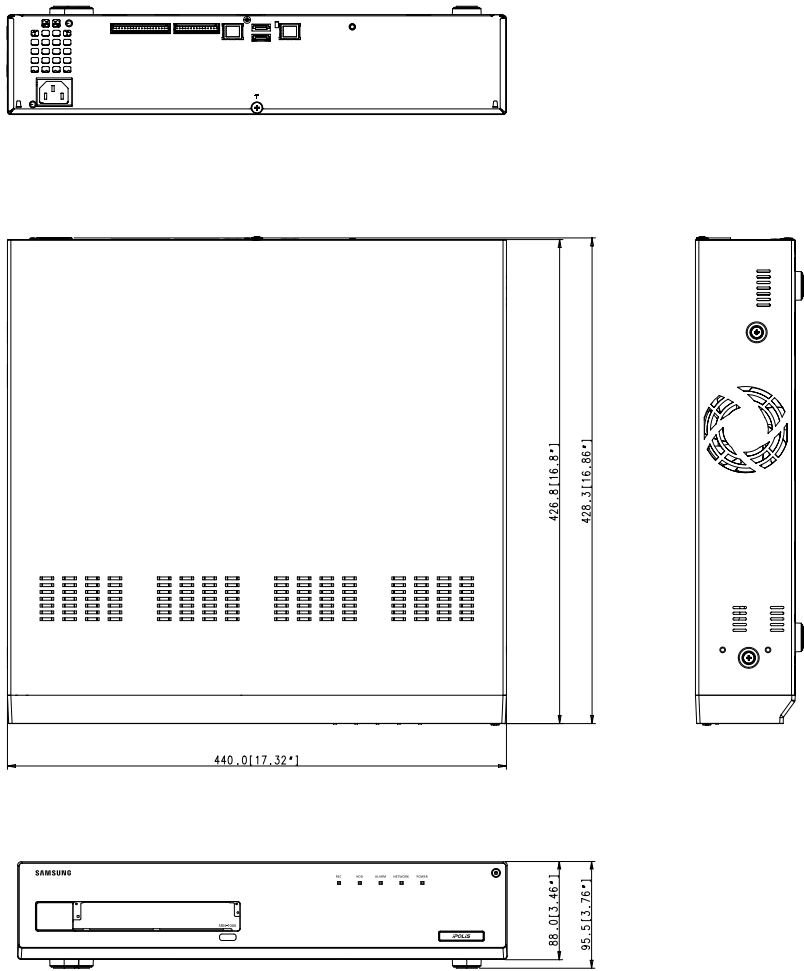
项目		详细信息
网络		
接口		RJ-45、千兆以太网 x2
协议		TCP/IP、UDP/IP、RTP(UDP)、RTP(TCP)、RTSP、NTP、HTTP、DHCP、PPPoE、SMTP、ICMP、IGMP、ARP、DNS、DDNS、uPnP、ONVIF
DDNS		Samsung iPOLiS DDNS
Samsung iPolis DDNS		64Mbps
最多远程用户数		搜索 (3)/现场单播 (10)/现场多播 (20)
最多远程频道数		最多 160CH
IP		IPv4
安全		用户访问日志 IP 过滤 802.1x
Web Viewer	语言 (24 种)	英语、法语、德语、西班牙语、意大利语、中文、韩语、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、芬兰语、挪威语、泰国语
	操作系统	支持的操作系统：Windows XP (service pack 2 或更高版本)、Vista、7、8 支持的浏览器：MS Internet Explorer 7.x、8.x、9.x、10.x (在 Windows 7、8 64 位环境中需要 Internet Explorer x86)
查看器软件		NET-i Viewer, Smart Viewer, Web viewer, iPOLiS Mobile
智能电话	所支持的类型	Android, iOS
	协议	RTP, RTSP, HTTP, CGI
	最多远程用户数	现场 (10 个用户), 播放 (1 个用户)
功能		
摄像机设置	注册	自动、手动
	设置项目	IP 地址、配置文件选择
PTZ	控制	通过 Web Viewer
	预设	255 个预设

项目		详细信息
系		
日志	日志列表	系统日志，每个事件日志最多 20,000 个日志记录
环境		
工作温度/湿度		+0°C to +40°C
湿度		20% ~ 85%
电气		
电源		100 至 240 VAC $\pm$ 10%; 50/60 Hz, 4~1.5A
功耗		硬盘 1 EA: 45W (最大), 35W (正常) RAID (硬盘 8 EA): 180W (最大), 55W (正常)
机械		
颜色/材料		黑色/金属
尺寸 (宽 x 高 x 深) H (不包括支脚)		宽440.0 x 高88.0 x 深426.8 毫米 (宽17.32 x 高3.46 x 深16.80 英寸)
重量		Approx. 6.2Kg (13.67 lb)
标准		
认证	认证	NRTL
	EMC	CE、FCC、Gost-R、CCC、KCC

附录

产品视图

单位：毫米(英寸)



默认设置

要重置系统、请移至“**系统管理 > 设置 > 载出厂默认值**”、然后按 **<默认>** 按钮。
这将恢复出厂默认设置。

- 初始管理员 ID 是“admin”，密码应在首次登录时设置。
(管理员用户的初始密码设为“4321”。)
- 请每隔三个月更改密码以保护个人信息并避免因信息失窃造成损失。
请注意，用户应负责安全以及密码管理不善导致的其他问题。

类别	详细信息			出厂默认值
系统	日期/时间/语言	日期/时间/语言	日期	年-月-日
			时间	24 小时制
			时区	GMT
			时间同步	关闭
			DST	关闭
			语言	英语
	许可权管理	管理员	ID	admin
		组	组	全部
		用户	组权限	所有组
		设置	受限访问	备份/录制停止/搜索/PTZ/ 远程警报输出/关闭
	系统管理	系统信息	设备名称	NVR
设备	摄像机	频道设置	视频	打开
			音频	关闭
			摄像机名称	CAM 01 ~ CAM 64
	存储设备	HDD 警报	检查警报输出端口	蜂鸣声
			警报持续时间	连续
			替换警报输出端口	蜂鸣声
			警报持续时间	连续
录制	录制计划	频道1~频道64	两者(连续&事件)	
	事件录制持续时间	事件前		关闭
		事件后		1 分钟
	录制设置	NVR	标准	关闭
			事件	关闭
			比特率限制	0
			音频	关闭
	录制选项		无空间模式	覆盖
			无空间报警	关闭
			自动删除	关闭(180)

附录

类别	详细信息			出厂默认值
事件	传感器检测	NVR	传感器操作	关闭
			摄像机	摄像机 编号
			警报输出	无
			警报持续时间	10 秒
		网络摄像机	传感器操作	关闭
			摄像机	摄像机 编号
			警报输出	无
			警报持续时间	10 秒
	摄像机像机		模式	关闭
			警报输出	无
			警报持续时间	10 秒
	视频丢失检测		视频丢失状态	关闭
			警报输出	无
			警报持续时间	10 秒
	警报输出计划			警报输出 1
网络	接口	网络 1	IP 类型	静态
			传输带宽	65536(kbps)
			IP 地址	192.168.1.200
			子网掩码	255.255.255.0
			网关	192.168.1.1
			DNS	168.126.63.1
		网络 2	IP 类型	静态
			传输带宽	0(kbps)
			IP 地址	192.168.2.200
			子网掩码	255.255.255.0
			网关	192.168.2.1
			DNS	168.126.63.1
		端口	协议类型	TCP
			设备端口	554~557
			UDP 端口	8000~8159
			单播/多播	单播
			多播 IP 地址	224.126.63.1
			多播 TTL	5
			HTTP 端口	80
			发送 SSL	关闭

类别	详细信息			出厂默认值
网络	DDNS	网络 1	DDNS 站点	关闭
		网络 2	DDNS 站点	关闭
	IP 过滤		过滤类型	拒绝
			使用	关闭
			IP 地址	0.0.0.0
			前缀	32
	802.1x	网络1	IEEE 802.1x	关闭
			EAPOL 版本	1
			CA 证书	不可用
			客户端证书	不可用
			客户端私钥	不可用
		网络2	IEEE 802.1x	关闭
			EAPOL 版本	1
			CA 证书	不可用
			客户端证书	不可用
			客户端私钥	不可用
	邮寄服务	SMTP	服务器地址	
			端口	25
			使用认证	关闭
			安全传输	从不
		事件	事件间隔	5 分钟
			使用事件传输	关闭
		组	组	关闭
			接收人许可权	关闭
	DHCP 服务器	网络 1	状态	停止
			IP 范围	0,0,0,0 ~ 0,0,0,0
			IP 租约时间	86400
		网络 2	状态	停止
			IP 范围	0,0,0,0 ~ 0,0,0,0
			IP 租约时间	86400
	SSL		安全连接系统	HTTP（非安全连接）

附录

疑难解答

症状	对策
系统打不开、且前面板上的指示器根本不工作。	• 检查电源系统是否已正确连接。 • 检查系统以查看电源的输入电压是否适当。 • 如果在您采取以上措施之后问题仍存在、请检查电源、必要时更换新电源。 • 检查内部以了解电线是否正确连接。(SMPS、前面)
已连接视频输入，但是一些频道不显示对应的视频。	• 检查摄像机是否与电源正确连接。 • 检查连接摄像机的 Web Viewer 的视频输出。 • 检查网络端口是否正确连接、以及网络设置是否正确设置。 • 用支持千兆位通信的集线器，更换连接至网络的集线器。视频输出符合已连接集线器的规则。 • 请检查 Web Viewer 的 <设置> 选项卡中的 <网络> 项目。如果网络带宽设置得太低，视频可能无法正常显示。
按 Live Viewer 上的 <录制> 按钮不打开 REC LED 并且不开始录制。	• 检查硬盘上是否有可用的空间以供录制。 • 检查录制模式是否在录制模式设置中设为“打开”。
当我开始日历搜索时、光标不会移到“开始”按钮上。	• 检查您想播放的频道和日期是滞标注了符号。在开始使用“开始”按钮进行播放之前、应检查频道和日期。
由于连续发生警报事件，不能通过按 Web Viewer 的 <🔔> 按钮取消警报。。	• 修改 Web Viewer 的 <设置> 选项卡中的 <事件> 设置。 1) 要停止警报声音：事件录制模式 – 警报 (摄像机事件/视频丢失) – 删除警报输出。 2) 要停止事件：事件录制模式 – 警报 (摄像机事件/视频丢失) – 关闭该模式。
在 Live Viewer 中控制 PTZ 时无响应	• 检查注册的摄像机是否支持 PTZ 功能。
未连接摄像机、或者计算机无法连接至产品。	• 检查网线是否正确连接。 • 请确保已设置<网络>-<接口>。 • 检查计算机或摄像机的 IP 设置。 • 尝试 Ping 测试。 • 检查产品附近是否有不同的设备使用相同的 IP。
现场屏幕太亮或太暗。	• 检查已注册摄像机的视频设置。

症状	对策
即使我已经正确配置必要的设置、NVR 也不能识别我在 NVR 上安装的全部多个外接硬盘。	识别多个外接硬盘可能需要一些时间。请在 1 分钟后重试。如果问题仍然存在、并且未识别所有外接硬盘、很可能是外接硬盘本身有错误。请尝试使用不同的硬盘。
时间条没有显示在搜索模式中。	时间线可以在正常和扩展模式间进行切换。在扩展模式下、时间条可能不会显示在当前时间线中。切换至正常模式或使用向左或向右按钮浏览时间条。
显示“无硬盘”图标和错误消息。	检查硬盘是否连接正常。如果在正常情况下仍出现此问题、请联系就近的服务中心让服务专业人士检查硬盘。
在启动系统之后，前面的 LED (ALARM, REC) 保持闪烁。	- 前面的 LED (无 HDD、HDD 已满或风扇错误) 保持闪烁。 - 可以在连接之后，在现场屏幕左上方查看关于相应的故障的说明。
我已在 NVR 上安装了其他硬盘、但是它无法识别该硬盘。	请查看兼容性列表以检查 NVR 是否支持其他硬盘。有关兼容性列表、请联系您购买 NVR 的零售商。
我已将外部存储设备(外接 eSATA 硬盘)连接至 NVR、但是 NVR 好像无法识别它。	请查看外部存储设备的兼容性列表以检查 NVR 是否支持连接的设备。有关兼容性列表、请联系您购买 NVR 的零售商。
如果我在 Web 查看器的全屏模式下按 ESC 键、系统不能切换至正常的分割模式。	按 ALT+TAB 键选择‘ACTIVE MOVIE’、然后再按 ESC 键。系统将会切换到正常的分割模式。
我忘记了密码。	请联系 NVR 管理员以获得帮助。

附录

症状	对策
实际录制的帧速率与为摄像机配置的帧速率不匹配。	• 如果将多个配置文件应用于一个摄像机以进行视频传输、则摄像机会以低于指定的帧速率处理实际视频流。 尽可能将摄像机配置为将一个配置文件用于数据流。 例如、如果为录制和网络配置文件设置相同的配置文件、就会以指定的帧速率进行实际录制。 请注意、录制/录制设置的允许比特率限制应该设置为大于摄像机来源的值。
录制不起作用。	• 如果播放器根本就不显示现场图像、则表示录制不起作用、因此请先检查您是否能在屏幕上看到图像。 • 如果未正确配置录制设置、则录制不起作用。 1) 按 Web Viewer 的“现场”选项卡上的  图标以立即开始录制。 2) 计划录制：在“菜单” – “录制” – “录制计划”中指定所需的时间。录制将在指定的时间开始。 - <连续> 录制：在任何条件下、录制都会在指定的时间进行。 - <事件> 录制：当发生事件时、仅当事件是警报、动作检查和视频丢失时、才会执行录制。如果未发现任何事件、将不会执行录制。 - <连续/事件> 录制：如果未发现任何事件、将会执行 连续 录制。然而、如果发生事件、将会执行 事件 录制。
录制数据的图像质量不佳。	• 在“菜单 – 录制 – 质量/分辨率”中提高分辨率和质量级别。 1) 分辨率：当指定录制大小时指定较大的大小。 采用 CIF 格式的录制图像显示降低的质量、因为它从小尺寸图像放大的。 2) 录制质量：为录制质量指定较高的级别。 • 如果提高分辨率和录制质量、数据大小也会相应增大。 因此、HDD 将会更快填满。覆盖 将会覆盖现有数据、因此录制将以较短的间隔进行。

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wpa_supplicant (http://hostap.epitest.fi/wpa_supplicant/), xfsprogs (<http://oss.sgi.com/projects/xfs/>)
bash-2.05b (<ftp://ftp.gnu.org/gnu/bash/>), minicom-2.1 (<http://alioth.debian.org/projects/minicom/>)
dosfstools-3.0.0 (<http://www.daniel-baumann.ch/software/dosfstools/>)
inetutils-1.4.0 (<http://www.gnu.org/software/inetutils/>), lm_sensors-3.3.2 (<http://lm-sensors.org/>)
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Acknowledgement

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上海三星商业设备有限公司

上海市桂平路391号新漕河泾国际商务中心B座32层

SHANGHAI SAMSUNG TECHWIN CO., LTD: SST

32F, Blk B, International Business Center, No. 391 Guiping Rd., Shanghai, China

联系电话：021 5427 1155

制造商：天津三星泰科光电子有限公司

天津市西青区津港公路微电子工业区微六路11号

TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONICS CO.,LTD.

No.11, wei 6 Road, Micro-Electronics Industrial Park, Xiqing District,Tianjin, 300385, China

联系电话(免费客服热线)：800 818 1212 / 400 690 6677