SAMSUNG TECHWIN

4 频道 DVR
用户手册

SRD-473D



CE

SAMSUNG

4 频道 DVR
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**。

❖ **初始管理员 ID 是 "admin", 密码应在首次登录时设置**。
如果要将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) 所有维修均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。



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天津三星泰科光电子内部验证后做成的。

某些部品包含的有害物质，按照现在的技术基准不能替代，天津三星泰科光电子一直在为改善此项而努力。

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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- 如果没有事先得到 SAMSUNG 的书面允许，严禁复制本手册。
- 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：220mAh
- 放电电流：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。

	
仅适用于海拔2000m以下地区安全使用	仅适用于非热带气候条件下安全使用
《2000m ᠳᠤᠤ᠋ ᠥᠨᠳᠥᠷ ᠬᠡᠪᠴᠢᠭᠦᠷ᠎ᠢᠨ ᠬᠡᠰᠡᠭ ᠳᠡᠭᠡᠭᠰᠢ ᠭᠠᠵᠠᠷ ᠳᠤ ᠬᠡᠷᠡᠭᠯᠡᠬᠦ ᠵᠥᠪᠬᠡᠨ ᠠᠰᠢᠭᠯᠠᠬᠤ》	《ᠳᠤᠯᠠᠭᠠᠨ ᠭᠠᠷᠴᠠᠭ ᠪᠤᠰᠤ ᠭᠠᠵᠠᠷ ᠳᠤ ᠬᠡᠷᠡᠭᠯᠡᠬᠦ ᠵᠥᠪᠬᠡᠨ ᠠᠰᠢᠭᠯᠠᠬᠤ》
“རྒྱ་མཚོའི་ངོས་ལས་མཐོ་རྩེད་སྟེ2000མན་གྱི་ས་ཁུལ་ཁོ་ནར་ཉེན་མེད་བེད་སྤྱོད་ཐུབ་འདུག།”	“ཚ་བའི་ས་ཁུལ་གྱི་གནམ་གཤིས་མིན་པའི་ས་ཁུལ་ཁོ་ནར་ཉེན་མེད་བེད་སྤྱོད་ཐུབ་འདུག།”
Dan hab yungh youq gij digih haijbaz 2000m doxroengz haenx ancienz sawjyungh.	Dan hab yungh youq gij dienheiq diuzgen mbouj dwg diegndat haenx ancienz sawjyungh.
دېڭىز يۈزىدىن 2000 مېتر تۆۋەن رايونلاردىلا بىخەتەر ئىشلەتكىلى بولىدۇ	غەيرى ئىسسىق بەلباغ ھاۋا كىلىماتى شارائىتىدىلا بىخەتەر ئىشلەتكىلى بولىدۇ

系统关闭

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。
要安全地切断电源，请按产品前面的“电源”按钮以显示确认信息。单击 <**确定**>，然后拔下电源插头。
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。）

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。
必须特别注意产品中的内置 HDD，其允许温度范围是 5°C ~ 55°C (41°F ~ 131°F)。
同样，如果在低于允许温度的温度下使用，硬盘可能无法正常工作。

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。
如果要将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。

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概述

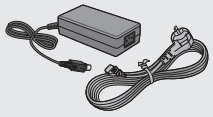
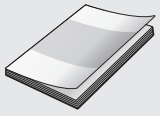
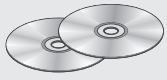
特性

本产品采用4通道摄像机输入的H.264视频编码，同时支持硬盘的4路音频的录制和播放。
此外，它还支持网络连接，并通过传输视频和音频数据从远程计算机提供远程监视。

- 提供方便的用户界面
- 4 通道复合视频输入接口
- 支持 CIF(S)/2CIF(M)/4CIF(L)/WD1 录制格式
- 使用特定于网络的编解码器，即可支持网络传输，不管录制条件如何
- 使用 HDD SMART 显示硬盘信息和状态
- 硬盘覆盖功能
- 通过高速 USB 2.0 进行大容量存储硬盘备份
- 同时录制和播放 4 频道视频数据
- 多种搜索模式（通过时间、事件、备份、POS和动作检测进行搜索)
- 多种录制模式（连续拍摄录制、事件、定时录制）
- 警报接口
- 通过 Network Viewer、Smart Viewer 和 Mobile Viewer 提供远程监视功能
- 支持同轴协议
- 篡改检查

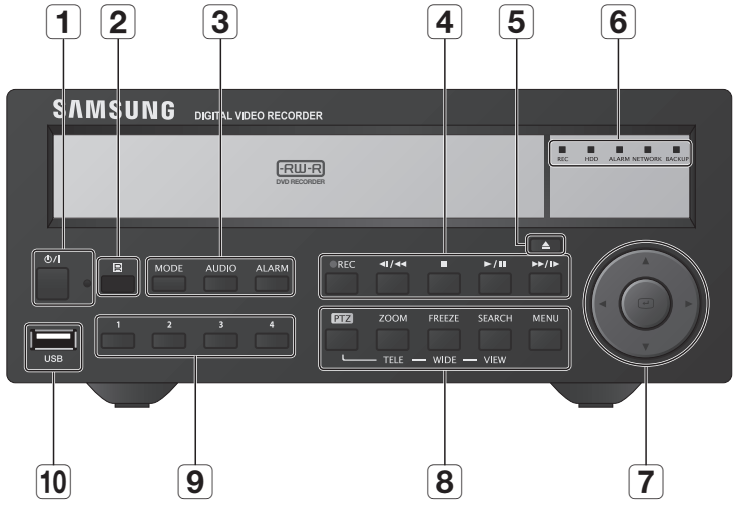
包装内容

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。

		
DVR	适配器/电源线	
		
鼠标	用户手册或简介	遥控器 / 遥控器电池 (AAA)
		
Network Viewer 软件/ 用户手册 CD	接线端子 (12 引脚)	硬盘固定螺钉 （适用于没有安装硬盘的型号）

概述

部件名称与功能（前面）

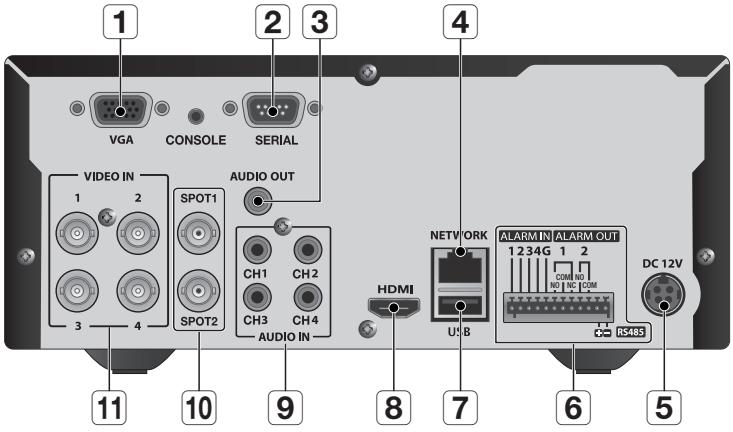


部件名称		功能
1	电源	**电源 LED：** 显示电源打开/关闭状态。
		电源按钮： 用于打开/关闭 DVR。
2	**遥控器接收器**	输入遥控器信号。
3	**监控模式**	在实时模式中，按下它会按顺序将模式切换为 4 分屏、PIP（画中画）和 Auto Sequence（自动顺序）。 在搜索模式中每按一次都会在4 分屏与单一屏幕之间切换。 ■ 对于播放屏幕模式，请参阅 **“播放”**。（第 79 页）
	音频	设置音频开/关。
	报警	用于确认警报，清除生成警报时所产生的警报 LED、声音和图标。
4	REC	开始或结束录制。
	◄I/◄◄	**逐步倒转 (◄I)** : 用于在暂停时逐个屏幕向后搜索。 **快速倒转 (◄◄)** : 用于在播放时快速向后搜索。
	■	**停止** : 用于停止播放。
	►/II	**播放/暂停** : 用于暂停或继续播放。
	►►/I►	**快进 (►►)** : 用于快速正向播放。 **逐步前移 (I►)** : 用于在暂停时逐个屏幕向前搜索。
5	**打开/关闭**	用于开关光盘托盘。（仅可用于 SRD-470D）

部件名称		功能
6	LED 指示灯	REC : 当正在进行录制时亮起。
		HDD : 显示对硬盘的正常访问。 访问硬盘时，LED 亮。
		ALARM : 发生事件时亮起。
		NETWORK : 显示网络连接和数据传输状态。
		BACKUP : 当正在进行备份时显示。
7	方向和选择按钮	用于更改设置值或上/下/左/右移动光标 (▲▼◄ ►)。 选择菜单项或执行选择的菜单。
8	摄像机控制	PTZ : 设置 PTZ 模式（打开/关闭）。
		ZOOM(TELE) : 将屏幕设置为 x2 数码缩放。 在 PTZ 模式中运行远景功能。
		FREEZE(WIDE) : 在现场模式中运行屏幕锁定功能。 在 PTZ 模式中运行近景功能。
		SEARCH(VIEW) : 此功能用于切换到“搜索”模式。 （当选择 PTZ 按钮时执行调用功能。）
		MENU : 用于访问“菜单”屏幕或移到上一个菜单。
9	频道	用于在现场模式中直接选择频道号，或在数字输入模式中输入频道号。
10	USB 端口	连接 USB 设备。

概述

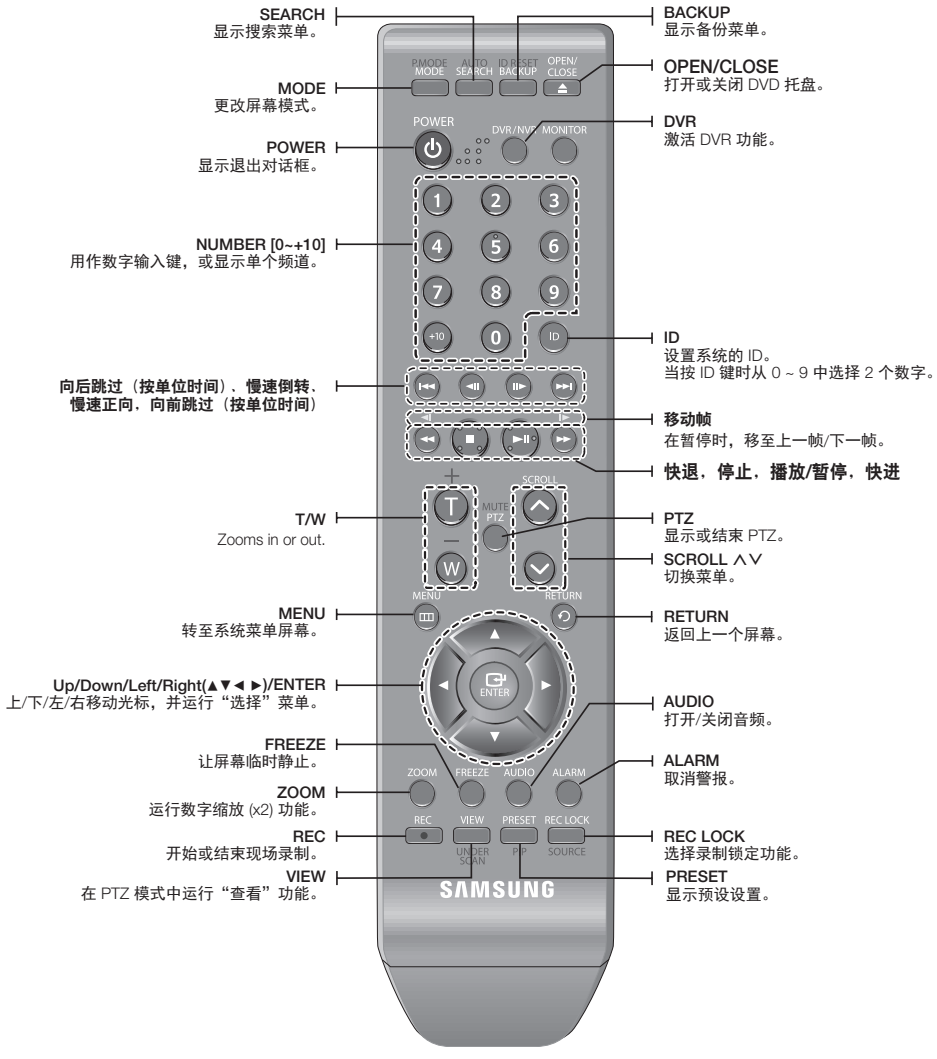
部件名称与功能（背面）



部件名称		功能
1	VGA	VGA 视频信号的输出端口。
2	SERIAL	用于连接至 POS 设备的串行端口。
3	AUDIO OUT	音频信号的输出端口（RCA 插孔）。 ▪ 建议使用集成了放大器的扬声器来输出音频信号。
4	NETWORK	网络连接端口
5	DC 12V	DC12V电源连接端口
6	ALARM IN	1~4, G : 警报输入端口。
	ALARM OUT	1, 2, COM : 警报输出端口。
	RS485	用于建立 RS485 通信。(TX+, TX-)
7	USB	USB 连接端口。
8	HDMI	HDMI 连接器端口。
9	AUDIO IN (CH1~CH4)	音频信号的输入端口（RCA 插孔）。
10	SPOT	现场信号的输出端口（BNC类型）。
11	VIDEO IN	复合视频信号的输入端口。 支持 NTSC 和 PAL 视频信号。

▪ [CONSOLE] 设计为仅用于维修服务。

遥控器



使用数字按钮

1. 按 1 到 4 之间的任何按钮。
2. 移到所选的频道号。

更改遥控器 ID

遥控器的 ID 和 DVR 的 ID 应匹配适当的操作。

1. 按遥控器上的 [**ID**] 按钮并检查在 DVR 屏幕上显示的 ID。
   遥控器上的 ID 出厂默认值为 00。
2. 按住遥控器上的 [**ID**] 按钮，同时依次输入您选择的两个数字。
3. 完成 ID 输入后，再次按遥控器上的 [**ID**] 按钮检查设置。

▪ 如果要将遥控器 ID 更改为 08：按住遥控器上的 [**ID**] 按钮，同时依次按 0 和 8。
有关如何更改遥控器 ID，请参阅 “**远程设备**”。（第 48 页）

连接其他设备

安装

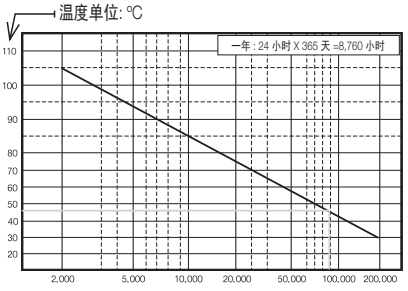
在使用产品之前，请了解下列事项。

- 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。

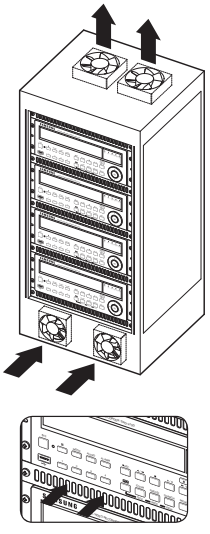
如果产品内部温度升高，产品可能会报废，产品使用寿命会缩短。在安装之前，请留意下列建议。



[图 1]

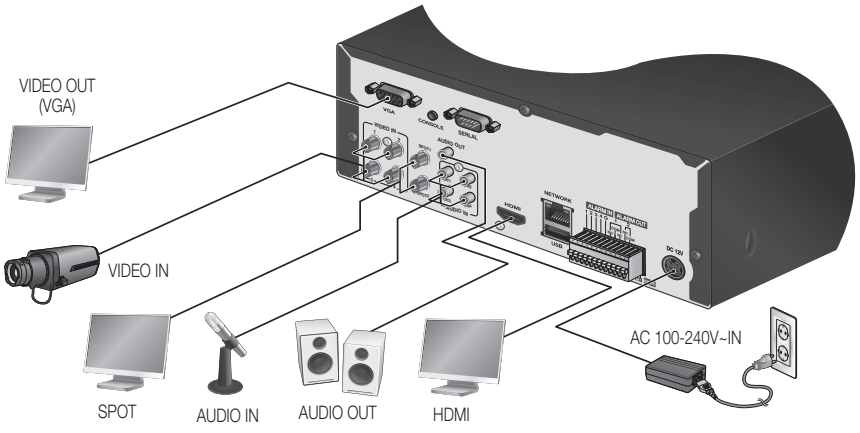
当将本产品安装在支架上时、请按照下面的说明操作。

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. 如果像图 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]

连接外部设备



连接 USB

1. 在出厂默认状态下，会提供 USB 端口供外部连接之用。
2. 您可以将 USB 硬盘、USB CD/DVD 播放器、USB 存储器或鼠标连接到 USB 端口上。
3. 如果将 USB 硬盘连接至系统，则识别和设置在“**主菜单** > **设备** > **存储设备**”中可用。（第 45 页）
4. 本产品支持热插拔功能，此功能允许在使用系统时连接/断开 USB 设备。

- 如果用于备份的 USB 存储介质不是由产品格式化的，请使用计算机将它格式化为 FAT32 文件系统。

连接 POS 设备

当您直接使用 RS-232C 线连接时，可将 POS 设备连接至产品背面的 RS-232C 端口上。
RS-232C 端口的连接设置可在“**主菜单** > **设备** > **POS 设备**”中提供，按 <**POS 设备设置**> 按钮，然后设置 <**波特率**、**奇偶校验**、**数据**、**停止位**>。（第 49 页）

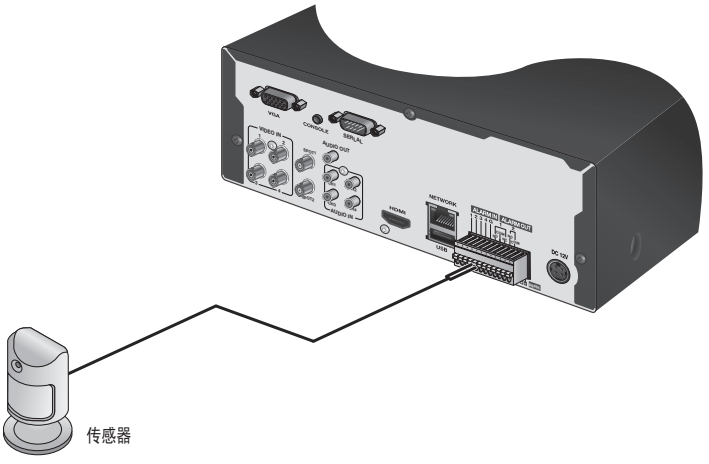
连接其他设备

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。

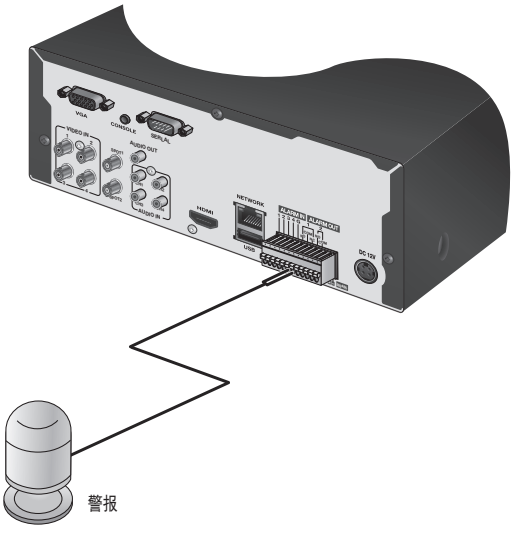
连接警报输入

使用端子连接警报输入。
各种传感器的一根（共两根）信号线连接到警报输入端子，另一根信号线连接到 [G] 端子。



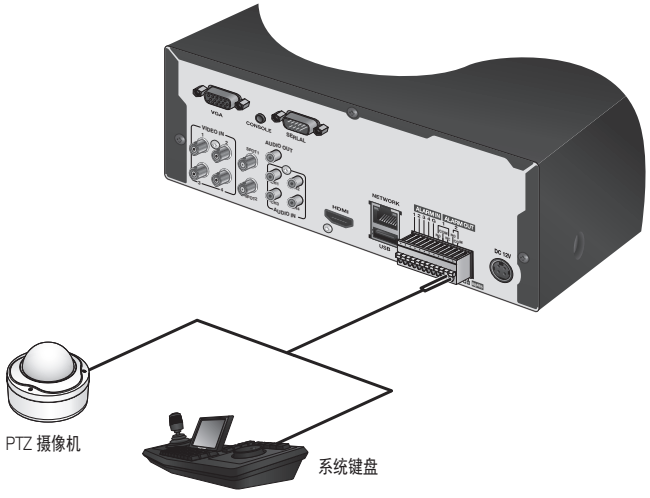
连接警报输出

使用端子连接警报输出。
外部设备的一根（共两根）信号线连接到警报输出端子，另一根信号线连接到 [COM] 端子。



连接 RS-485 设备

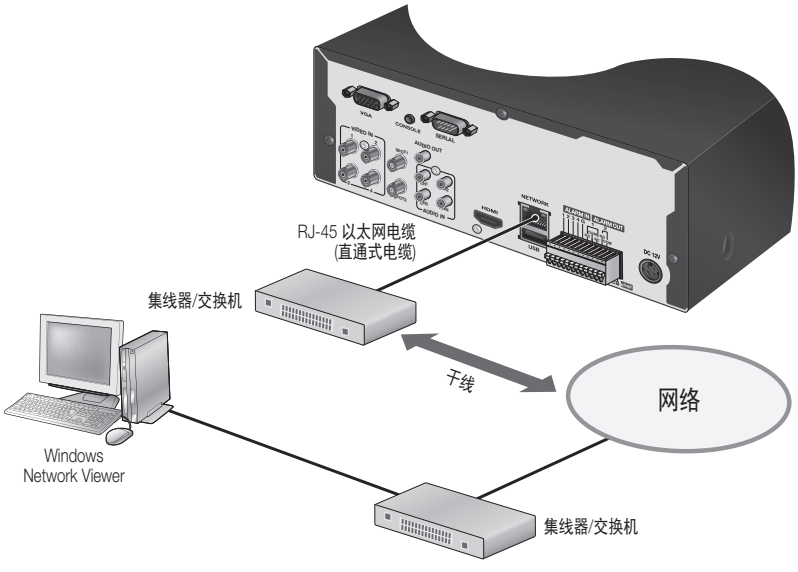
通过后面的端口连接 [**RS485 +, -**] 设备。



- 可以连接和控制支持 RS-485 通信的 PTZ 摄像机。
- 请先检查 RS-485 设备与本产品是否兼容。
- 请注意，在连接 RS-485 设备时，切勿更改它的极性 (+/–)。
- 根据摄像机的类型，连接极性可能会有不同。
  有关更多信息，请参阅各自的 PTZ 摄像机文档。

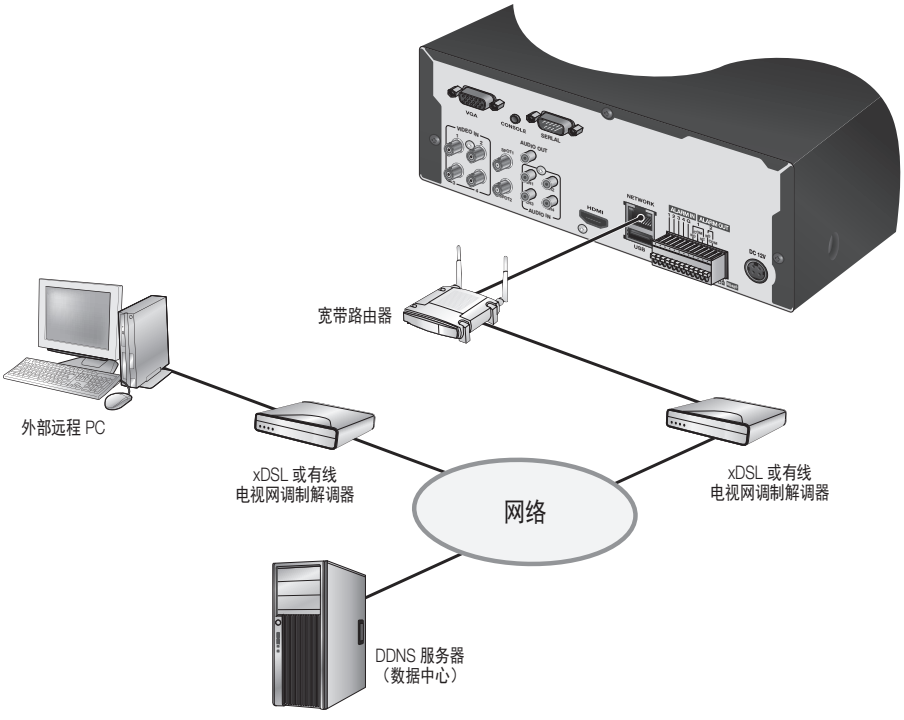
连接网络

通过以太网连接到网络 (10/100/1000BaseT)

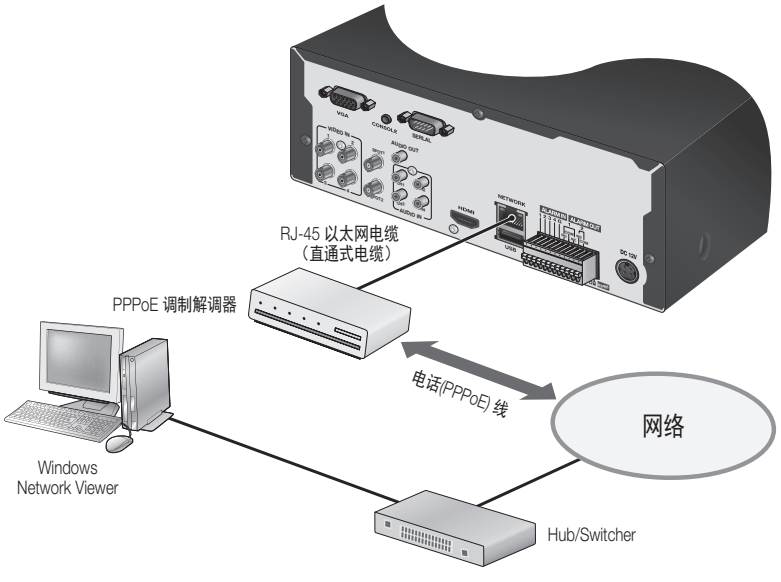


连接其他设备

使用路由器连接到网络



通过 PPPoE 连接到网络



现场

开始使用

启动系统

1. 将电源插头连接至产品背面。
2. 按前面的电源按钮。



▪ 启动后，大约需要 10 秒钟来显示启动屏幕。

3. 启动屏幕将会出现。
   启动大约需要 3 分钟，用带图标的进度条指示。
   如果安装了新硬盘，初始化过程时间可能会更长。



4. 现场屏幕将会出现并发出哔声。



现场

关闭系统

仅当您登录至 DVR 后才能关闭系统。
如果您未作为管理员登录，则需要许可权才能关闭系统。

1. 按住前面板或遥控器上的 [**POWER**] 按钮或右键单击，然后单击 <**关闭**>。
2. “**关闭**”确认窗口将会出现。
3. 使用遥控器或前面板上的箭头键移至 <**确定**> 并按 [**ENTER**] 按钮或单击 <**确定**>。
   系统将会关闭。



■ 有关许可权管理的信息，请参阅“**许可权管理**>**设置许可权**”。（第 37 页）

登录

若要访问 DVR 或受限制的菜单，您应先登录至 DVR。

1. 在现场模式下，右键单击屏幕的任意位置。
   您将会看到如右图所示的上下文相关菜单。



2. 单击 <**登录**>。
   登录对话框将会出现。
   通过按遥控器或前面板上的 [**MENU**] 按钮，您也可以看到登录对话框以访问所需要的菜单。
   - 当相应的菜单需要登录时，如果您按遥控器或 DVR 前面板上的菜单按钮，还会出现登录菜单对话框。
   - 登录后，按遥控器上的 [**RETURN**] 以显示注销对话框。



■ 有关受限制的许可权限，请参阅“**许可权管理**>**设置许可权**”。（第 37 页）

- 初始管理员 ID 是“admin”，密码应在首次登录时设置。
- 如果要将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。

锁定所有按钮

这会限制对 DVR 中提供的所有按钮的访问权。

1. 在现场模式中，按以下顺序按各按钮：[STOP (■)]→[FREEZE]→[STOP (■)]→[FREEZE]→[MENU]。
   <**所有密钥锁定**> 确认窗口将会出现。
2. 选择 <**确定**>。
   所有按键将会锁定。
3. 在锁定状态下，按任何按钮都可以显示一个对话框，它将提示您输入解除按钮锁定的密码。
   如果您输入管理员密码，将会解除按钮锁定。

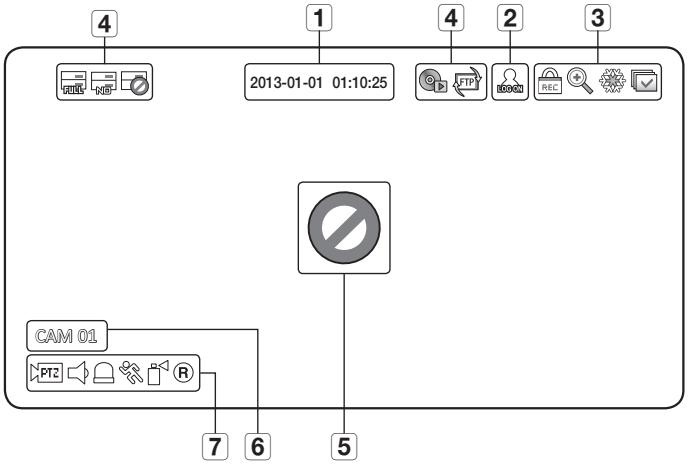


现场

现场屏幕配置

现场屏幕上的图标

您可以使用现场屏幕上的图标检查 DVR 的状态或操作。



部件名称			功能
1	当前日期、时间		显示当前时间和日期。
2	登录信息		在登录时，将会显示“LOG ON”图标。
3	屏幕模式	REC	在录制过程中显示。 ▪ 若要取消录制，请输入密码。
			在激活缩放功能时显示。
			在按下“冻结”按钮时显示。
			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。
4	系统操作		硬盘空间已满和 DVR 录制空间不足时显示。
			未安装硬盘或现有的硬盘需要更换时显示。
			硬盘需要技术检测时显示。
			当备份正在进行中或者播放备份数据时显示。
			从网络中发现新固件时显示。

部件名称			功能
5	视频输入状态		摄像机设置为 <**打开**> 状态无任何输入时显示。
			如果摄像机设为 <**关闭**>，则屏幕上无任何显示。
6	摄像机名称/频道		显示摄像机名称和更改的频道，如果有。
7	摄像机操作	PTZ	显示在 PTZ 设置中，如果 PTZ 在操作中，会突出显示黄色。
			显示“音频打开/关闭”。 如果取消激活，不会在视频模式中显示。
			如果传感器设置为 <**打开**>，则在已连频道的屏幕上会显示输入信号。
			在动作检测设置为 <**打开**> 检测到动作时显示。
			当将防拆检测设置为 <**打开**> 并且检测到拆离时出现。
		Ⓡ / Ⓔ / Ⓢ	显示来自录制/事件/时间表的当前录制模式。

错误信息

- 如果未连接内部 HDD，将会显示 “无 HDD”( ) 消息；如果出现问题，将会在左上角看到 “HDD 故障”( ) 消息。 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。

■ 如果在屏幕上看到“无 HDD”或“HDD 故障”图标，请联系服务中心获取更多详情。

现场屏幕菜单

除前面板或遥控器上的按钮之外，您可以通过右键单击现场模式中的任意位置访问所需要的菜单。
右键单击以打开上下文菜单，该菜单会根据状况显示不同的菜单项，例如已登录/已注销状态、分屏模式和各种操作条件。

■ 根据用户权限，可以取消激活搜索、录制、备份、关闭和 PTZ。



< 分屏模式菜单 >

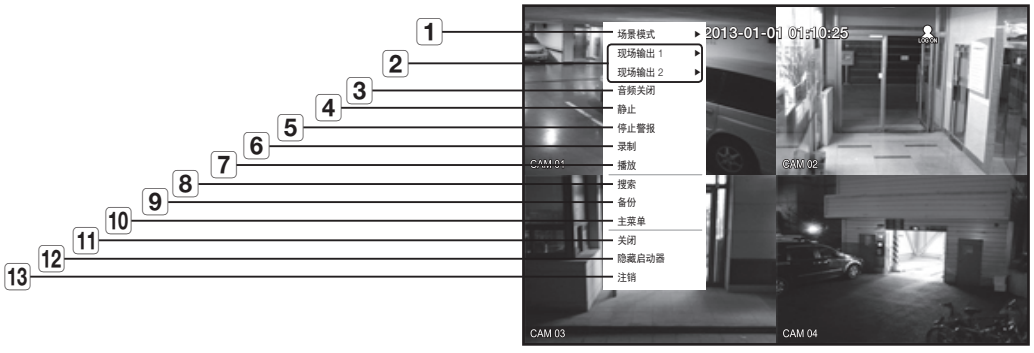


< 单画面模式菜单 >

现场

分屏模式菜单

分屏模式中的上下文相关菜单会有不同，取决于登录/注销状态。



菜单		功能
1	**场景模式**	请参阅“**现场模式**”。(第 27 页)
2	**现场输出 1/2**	请参阅“**现场输出**”。(第 29 页)
3	**音频打开/关闭**	请参阅“**音频打开/关闭**”。(第 30 页)
4	**静止**	请参阅“**静止**”。(第 30 页)
5	**停止警报**	停止报警输出和事件监视。请参阅“**事件监视**”。(第 31 页)
6	**录制/停止**	开始/停止标准录制。
7	**播放**	播放搜索结果（数据）。请参阅“**搜索和播放** > **播放**”。(第 79 页)
8	**搜索**	请参阅“**搜索和播放** > **搜索**”。(第 76 页)
9	**备份**	请参阅“**主菜单** > **设置备份**”。(第 58 页)
10	**主菜单**	访问主菜单。请参阅“**使用 DVR**”部分。(第 32 页)
11	**关闭**	关闭 DVR。
12	**显示启动器/隐藏**	显示或隐藏启动器。请参阅“**显示/隐藏启动器菜单**”。(第 26 页)
13	**登录/注销**	您可以登录或注销。

单画面模式菜单

单画面模式菜单仅在单画面模式中可用。
单一屏幕上显示为 <**场景模式**> 的菜单，在分屏中只选择一个频道时显示为 <**全屏幕**>。



< 单画面模式菜单 >



< 在分屏中选择一个频道后的菜单 >

菜单		功能
1	**全屏幕**	在分屏模式中选择并单击所需的频道，以切换为所选频道的全屏幕。
2	**PTZ 控制**	访问“**PTZ 控制**”菜单。 PTZ 菜单仅在一频道现场模式中激活。(第 73 页)
3	**放大**	放大所选的图像。(第 29 页)

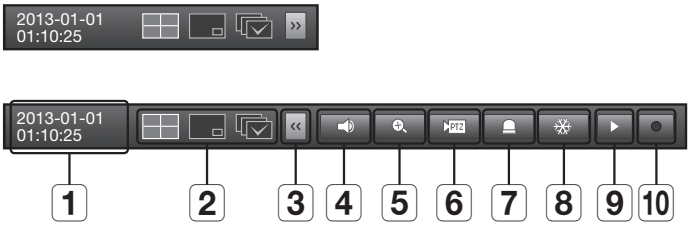
现场

显示/隐藏启动器菜单

您可以使用在现场屏幕底部出现的启动器菜单访问。

1. 在实时模式中，右键单击以显示上下文菜单，然后选择 <**显示启动器**> 或 <**隐藏启动器**>。
   如果选择 <**隐藏启动器**>，实时屏幕底部的启动器菜单将消失。
2. 如果选择 <**显示启动器**>，屏幕底部将显示启动器菜单。
   如果使用鼠标单击启动器菜单，它会直接进入菜单。

- 如果在 10 秒内没有输入，菜单将消失。
- 只能使用鼠标访问启动器菜单。



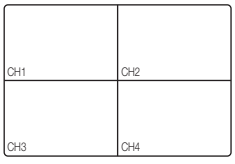
菜单		功能
1	**日期/时间**	显示当前时间和日期。 如果您在“**系统** > **日期/时间/语言** > **时间**”中将时间格式设置为 12 小时制，将显示 AM/PM 指示。（第 32 页）
2	**屏幕模式**	按此按钮可以按顺序切换屏幕模式。 当前模式以白色突出显示。
3	**菜单扩展按钮**	单击会显示右侧的隐藏菜单。
4	**音频**	打开/关闭所选频道的声音。
5	**缩放**	放大所选的区域。此功能仅在单画面现场模式中可用。
6	**PTZ**	运行“PTZ 控制”启动器。 在选择单个频道之后，PTZ 控制启动器在现场屏幕上处于活动状态。
7	**警报**	停止激活的警报。
8	**静止**	让现场屏幕临时静止。
9	**播放**	如果存在要播放的文件，进入播放模式，否则进入搜索模式。
10	**录制**	开始/结束现场屏幕录制。

现场模式

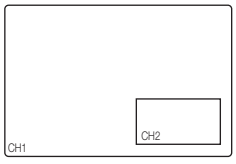
在 3 分屏模式下的屏幕上显示 4 个现场视频。

切换屏幕模式

要切换分屏模式，可在启动器菜单中选择屏幕模式，或右键单击在上下文菜单中选择屏幕模式。
按前面板或遥控器上的 [**MODE**] 按钮，以启动器菜单项的顺序切换模式。



4 分屏模式



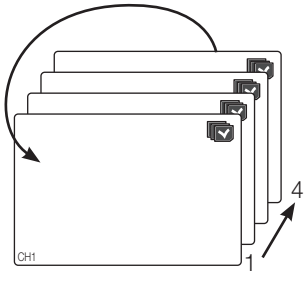
PIP



自动顺序

自动切换屏幕模式

可以按单画面顺序观看 4 个现场视频。



单画面模式

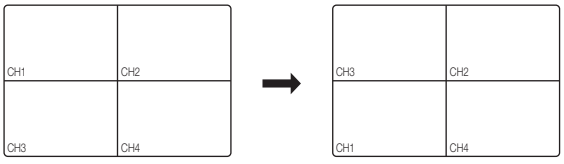
- 在单画面模式中，如果您在“**设置设备** > **摄像机**”中设置了 <**帧扫描停留时间**>，将以设置的时间间隔执行自动顺序。（第 43 页）

现场

频道设置

可以在分割屏幕的所需区域显示频道。

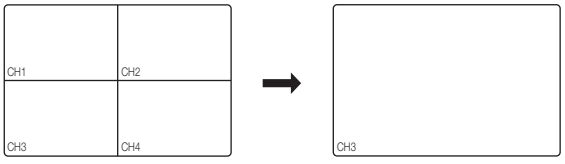
1. 将光标放在每个频道的摄像机名上面，在屏幕右侧显示 <▼> 键。
2. 单击摄像机名以显示可以选择不同频道的频道列表。
3. 选择所需的频道，然后单击。
   当前频道将切换到所选的频道。
   使用光标选择要移动的频道，然后将其拖放到所需的频道；这样也能更改频道位置。
   - 例如：将频道 1 切换到频道 3



切换至单画面模式

在分屏模式中，选择并双击所需的频道以切换到单画面模式。
在前面板或遥控器上按与所需频道对应的数字，切换到单画面模式。
请参阅“**遥控器** > **使用数字按钮**”。（第 13 页）

- 例如：在遥控器或前面板上选择 CH 3 或按数字 “3”。



现场输出

现场输出监视独立于现场模式，可以通过现场输出端口监视特定的频道。

选择现场输出模式。

如果从与显示器连接的现场输出端口发生传感器、动作或警报等事件，您可以选择输出屏幕模式。

1. 在现场模式下，右键单击屏幕的任意位置。
   现场屏幕将会出现。
2. 单击“现场输出”。
   分割的屏幕会根据现场输出源出现。（第 51 页）
   - 现场输出 1：默认情况下，它支持自动顺序和单画面模式，并且如果选择 <**多个现场**> 输出，它还支持 4 分屏模式。
   - 现场输出 2：它支持自动切换和单画面模式。

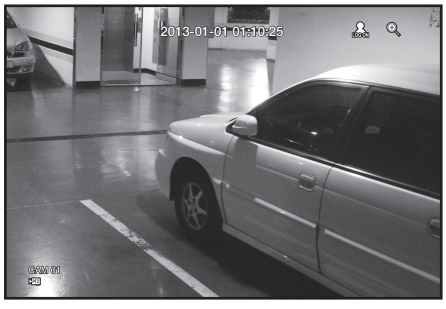


缩放

此功能仅在单画面现场模式中可用。在单画面模式中，选择所需的区域，并使用缩放功能放大两倍。

1. 在右击菜单中选择 <**放大**>。
   按前面板或遥控器上的 [**ZOOM**] 按钮，或仅单击启动器菜单中的 < 🔍 >。缩放框将会出现。
2. 使用方向键，或拖放以指定要放大的区域。
3. 按 [**ENTER**] 按钮或在选定区域双击。
   - 在放大的图像中，使用遥控器或前面板上的方向按钮 (▲▼◄ ►) 移动放大的区域。
4. 按前面板或遥控器上的 [**ZOOM**] 按钮释放缩放。





现场

音频打开/关闭

您可以根据现场模式中的频道打开/关闭声音。

在单画面模式中打开/关闭音频

单击屏幕上的音频图标 (🔊)，或按前面板或遥控器上的 [AUDIO] 按钮以将其打开/关闭。

- 只有在“**设备** > **摄像机**”中将 <**音频**> 设置为 <**打开**> 的频道，才在现场模式中显示可以用来打开/关闭声音的图标 (🔊)。

静止

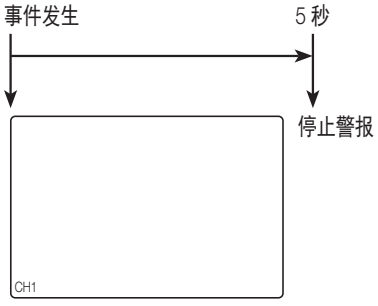
此按钮仅在暂时停止播放现场图像的现场模式中可用。

1. 按前面板或遥控器上的 [FREEZE] 按钮，或单击启动器菜单中的 < ❄ >。
   会暂时停止播放图像。
   - 暂停时声音会继续播放。
2. 再次按 [FREEZE] 按钮，或单击 < ❄ >。
   这样将释放静止。

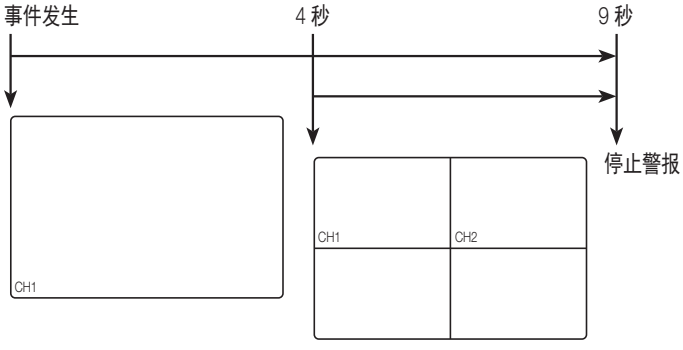
事件监视

如果出现这种情况，将与特定的事件（传感器/动作/视频丢失/篡改）同步显示频道。
在“**监视器** > **事件显示**”中，设置监视打开/关闭的事件，并指定事件显示时间。（第 50 页）

- 如果同时发生多个事件，屏幕切换为分屏模式。
  - 2~4 事件：4 分屏模式
- 如果在 <**事件显示**> 的设置时间内发生第二个事件，则第一个事件将持续到第二个事件终止。（第 50 页）
  - 例如：如果您将 <**事件显示**> 设置为 5 秒，并且在 CH 1 只发生了一个事件。



  - 例如：如果您将 <**事件显示**> 设置为 5 秒，并且在 CH 1 发生第一个事件后的设置时间内在 CH 2 内发生了第二个事件。



- 按 [ALARM] 按钮重设警报设置和释放事件模式。
- 如果在您设置事件录制和之前/之后警报次数条件下激活了警报，将执行事件录制。
- 这也将适用于现场输出监视器。

- 对于连续的事件，例如移动探测，切换到另一种分屏模式显示时，如果连续事件随后发生，则可能不会立即进行，即使您已停止事件警报也是如此。

主菜单

您可以设置系统属性、设备和录制、事件、备份及网络选项。

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

您可以检查和设置当前日期/时间与时间相关属性，以及屏幕界面所用的语言。

设置日期/时间/语言

设置日期/时间/语言

使用鼠标可以帮助简化设置。

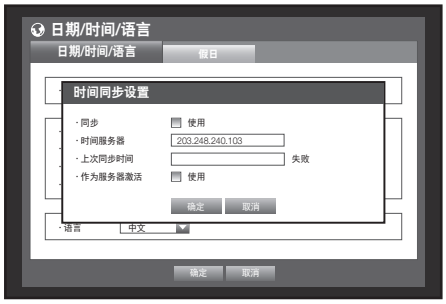
1. 按遥控器或前面板上的 [**MENU**] 按钮。
   - 如果没有登录，会出现登录窗口进行提示。
     请参阅 “**登录**”。（第 20 页）
2. 使用左/右按钮 (◄ ►) 选择 <**系统**>。
   将选择系统属性设置菜单。
3. 使用上/下按钮 (▲▼) 选择 <**日期/时间/语言**>，然后按 [**ENTER**] 按钮。
4. 选择 <**日期/时间/语言**>。
   设置日期、时间和语言的对话框。
5. 使用方向按钮 (▲▼◄ ►) 选择要设置和更改的项目。



- 日期：设置的日期将出现在屏幕上。
  您可以选择日期格式。
- 时间：设置的时间及其格式将出现在屏幕上。
  从 <**24 小时制 /12 小时制 (AM/PM)**> 中选择一项。
- 时区：根据格林威治标准时间 (GMT) 设置您所在地区的时区。
  - GMT（格林威治标准时间）是标准的世界时间和世界时区的基础。
- 时间同步：如果您选择使用 <**时间服务器**>，可以定期设置与选定的 <**时间服务器**> 同步的 DVR 当前时间。
  在此情况下，<**日期/时间/语言**> 设置不允许时间调整。



- 时间服务器：输入时间服务器的 IP 或 URL 地址。
- 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 <**使用**> 让 DVR 充当其他 DVR 的时间服务器。



- DST：设置夏令时在设置期内使时间比其时区内的 GMT 早 1 小时。
- 语言：选择您的语言。设置界面语言。
  支持的语言：英语、法语、德语、西班牙语、意大利语、中文(简体)、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、芬兰、挪威、希腊语和中文(繁体)。

6. 在完成日期/时间/语言设置后，请按 <**确定**>。

■ 您也可以使用遥控器或前面板上的数字按钮输入日期、时间和其他数字字段的值。

设置假日

您可以根据个人喜好将特定日期设为假日。
假日也适用于 <**录制计划**> 和 <**警报计划**>。
使用鼠标可以帮助简化设置。

1. 在 <**日期/时间/语言**> 窗口中使用上/下按钮 (▲▼) 选择 <**日期/时间/语言**>，然后按 [ENTER] 按钮。

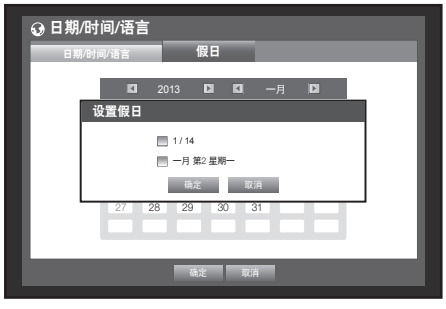
2. 选择 <**假日**>。
假日设置的日历将会出现。

3. 使用左/右 <◀ ▶> 按钮选择年份或月份，然后按 [ENTER] 按钮。



4. 使用方向按钮 (▲▼◄ ►) 选择所需日期，然后按 [ENTER] 按钮。
将会看到“**设置假日**”屏幕。
■ 例如：选择 1 月 14 日，并仅选中 <**1/14**> 将每年的 1 月 14 日作为假日。同时选中 <**1/14**> 和 <**一月 第2 星期一**>，将每年的 1 月 14 日和 1 月的第二个周一作为假日。

5. 在完成假日设置后，按 <**确定**>。



使用日历

使用鼠标可以帮助简化设置。
① 选择年份和月份。
选择年份/月份左/右侧的左/右 <◀ ▶> 键，然后按 [ENTER] 按钮按 1 年/月调整。
② 使用方向按钮选择日期，然后按 [ENTER] 按钮。
■ 搜索有录制数据的日期将以黄色出现在系统日志、事件日志、时间搜索和事件搜索中。

主菜单

许可权管理

您可以设置每个用户对 DVR 的特定功能和设置的权限。

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。
使用鼠标可以帮助简化设置。

1. 使用 <**系统**> 窗口中的上/下按钮 (▲▼) 移至 <**许可权管理**>，然后按 [ENTER] 按钮。
2. 选择 <**管理员**>。管理员 ID 和密码对话框将会出现。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置 ID 和密码。



- 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. 在完成管理员设置后，按 <**确定**>。

使用虚拟键盘

① 对于字母数字输入，虚拟键盘窗口将会出现。

② 使用方向按钮 (▲▼◄ ►) 移至所需字符，然后按 [ENTER] 按钮。

③ 在虚拟键盘上方的文本输入框中，会显示包含所选字符的备选字列表。

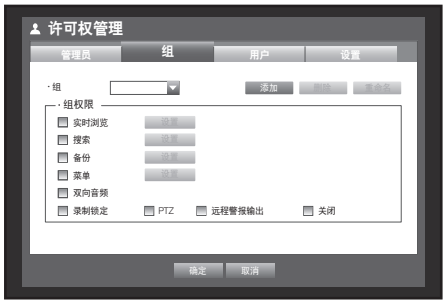
④ 从列表中选择字词，或使用键盘输入完整的字。
- 如果有很多备选字，则请使用 < , > 按钮以在其中上移和下移。



⑤ 选择<**确定**>。
会应用输入的字。
- 对于大写字母，请使用 <**大写锁定**> 按钮。
- 对于特殊的字符，请使用 <**Shift**> 按钮。
- 使用虚拟键盘与您所在地区的正常键盘用法一样。
- 只能用区分大小写的字母数字字符输入 ID。
- 对于密码，请使用除 <\> 和 <"> 之外的字母和特殊字符。
- 您可以使用遥控器或前面板上的数字按钮。

设置组

您可以创建用户组，并设置用户组的许可权。
您可以在 <**用户**> 中为每个组注册用户。
使用鼠标可以帮助简化设置。



1. 使用 <**系统**> 窗口中的上/下按钮 (▲▼) 移至 <**许可权管理**>，然后按 [ENTER] 按钮。
2. 选择 <**组**>。
   <**添加**>、<**删除**>、<**重命名**> 和 <**组权限**> 设置窗口将会出现。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- 添加、删除、重命名：您可以添加、删除、重命名组，或修改给予组的许可权。
  在选择 <**添加**> 或 <**重命名**> 时，虚拟键盘将会出现。
  - 添加：在首次使用管理员帐户运行 DVR 时，不存在帐户，因此除 添加之外的所有按钮都已被取消激活。选择 <**添加**> 显示虚拟键盘。输入组名。最多可以添加 10 个组。
  - 删除：会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：会重命名已注册的组。选择 <**重命名**> 显示虚拟键盘。
    - 有关输入组名的信息，请参阅 “**使用虚拟键盘**”。(第 34 页)
- 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。

4. 在完成组设置后，按 <**确定**>。

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. 选择分配组权限的菜单。
   分配组权限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权限。
- 搜索：您可以根据频道设置访问搜索菜单的权限。
- 备份：您可以根据频道设置访问备份菜单的权限。
- 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。
- 双向音频：您将获得使用双向音频功能的许可权。
- 录制锁定、PTZ、远程警报输出、关闭：选择项目，以便将其添加到权限。



2. 选择 <**确定**>。
   选择并分配组用户，以便用户可以访问指定菜单。

主菜单

限制用户权限

如果管理员限制添加组的所有权限，则属于该组的用户只能访问默认的最少菜单，并且只能更改用户自己的密码。

1. 启动 DVR。
   如果限制了所有权限，则应该会出现登录对话框。
2. 使用注册的用户 ID 登录。



3. 右键单击屏幕的任意位置。
   如果限制了所有权限，应该只会出现可访问的上下文菜单。



更改用户密码

如果您使用限制访问菜单的用户帐户登录，则只能更改自己的密码。

1. 使用帐户登录。
2. 选择 <**用户菜单**>。
   权限管理设置屏幕将会出现。
3. 选择 <**许可权管理**>。
   密码设置对话框将会出现。
4. 输入新密码。
5. 选择 <**确定**>。
   将应用您对密码所做的更改。



设置用户

可以添加用户并编辑已注册用户的信息。

如果在 <**组**> 菜单中创建组，才能添加用户。

使用鼠标可以帮助简化设置。

1. 使用 <**系统**> 窗口中的上/下按钮 (▲▼) 移至 <**许可权管理**>，然后按 [ENTER] 按钮。
2. 选择 <**用户**>。
   “添加用户”窗口将会出现。
3. 使用方向按钮 (▲▼◄ ►) 从窗口中选择 <**添加**>。
   “**添加用户**”窗口将会出现。
4. 可以配置 Network Viewer 设置，包括名称、ID、查看器、选择组和密码。
   用户设置的结果将会出现在 <**用户**> 窗口中。
   要更改用户属性，请使用“**编辑用户**”。
   当您在 <**用户**> 窗口中选择要更改的所需项目时，
   “**编辑用户**”窗口将会出现。





- 查看器：如果选择 <**使用**>，则可让您访问 Web Viewer 和 Network Viewer。
  - 请参阅“**连接 Web Viewer (Windows)**”。(第 82 页)
  - 有关使用 Network Viewer 的更多信息，请参阅 Network Viewer 的用户指南。

5. 在完成用户设置后，按 <**确定**>。

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。

使用鼠标可以帮助简化设置。

1. 使用 <**系统**> 窗口中的上/下按钮 (▲▼) 移至 <**许可权管理**>，然后按 [ENTER] 按钮。
2. 选择 <**设置**>。
   受限访问、网络访问限制、自动注销、手动输入 ID 设置屏幕将会出现。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。



- 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**> 中没有选中 (☐)，则无论是什么 <**组权限**> 设置，任何用户均可访问项目。
  - 如果在 <**受限访问**> 中选中了 (☑)，则用户只有拥有 <**组权限**> 设置中的许可权才能访问项目。
- 网络访问限制：限制从 <**受限访问**> 网络进行远程访问。
  - 全部网络：通过 Network Viewer 和 Web 查看器限制所有访问情况。
  - Web Viewer：限制通过 Web 查看器访问。
- 自动注销：如果在设置的时间内没有对 DVR 进行任务操作，将自动注销用户。

主菜单

- 手动输入 ID：提示您手动输入登录访问的用户 ID。
  - 已选中（☑）：使用 [*] 符号将已注册的用户 ID 括起来。
    使用虚拟键盘输入用户 ID。

4. 在完成许可权设置后，按 <**确定**>。



系统管理

您可以检查系统版本、版本更新以及数据备份和初始化。

检查系统信息

您可以检查当前的系统版本、广播系统、MAC 地址。 您可以更新系统。
使用鼠标可以帮助简化设置。

1. 使用 <**系统**> 窗口中的上/下按钮 (▲▼) 移至 <**系统管理**>，然后按 [**ENTER**] 按钮。

2. 检查软件版本、广播格式和 MAC 地址。

- 系统信息：显示当前系统的信息。
  用户无法更改这些值。
- 软件升级：将 DVR 的软件更新到最新版本。
- DVR 名称：连接至 DVR 时，指定的名称将显示在网络查看器中。



• **更新软件**

1. 连接存储要更新软件的设备。（可能大约需要 30 秒钟识别设备。）
   - 可升级的设备包括 USB 内存、CD/DVD 和网络设备。
   - 要更新网络，当前 DVR 应已连接到网络。
     由于访问受限制，可能无法通过代理服务器升级。
2. 从 <**系统**> 窗口选择 <**系统管理**>。
3. 选择 <**系统信息**>。
4. 按 <**搜索**> 按钮显示更新的图像，然后按 <**搜索**> 按钮切换至 <**升级**>。
   - 只有在 <**系统信息**> 的 <**软件版本**> 等于或早于 <**软件升级**> 的版本时，才能激活 <**升级**> 按钮。
5. 按 <**更新**> 按钮以显示确认更新的弹出窗口。
   在“**系统升级**”窗口中按 <**确定**>。
   - 在更新过程中，会显示进度。





6. 在完成更新后，会自动重新启动。
   在完成重新启动前，请勿关闭电源。



- 如果“**升级失败**”，请从步骤 4 重试。
  如果继续出错，请咨询服务中心获取帮助。
- 使用 Smart Viewer 远程执行软件更新时，从 Smart Viewer 弹出确认消息起，大约需要 3 分钟来完成更新。这是为了保证 DVR 装置稳定操作。要进行更快速的更新，请使用 USB 设备连接至 DVR 装置。

主菜单

设置

您可以通过使用存储媒体复制和导入 DVR 设置。
使用鼠标可以帮助简化设置。

1. 使用 <**系统**> 窗口中的上/下按钮 (▲▼) 移至 <**系统管理**>，然后按 [**ENTER**] 按钮。
2. 选择 <**设置**>。
   存储设备和装入出厂默认值的窗口将会出现。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，并将设置数据导出或导入存储设备。

- 存储设备：显示连接的存储设备。
- 导出：会将记录在 DVR 中的所有日志导出到存储介质。
- 导入：从存储设备导入 DVR 设置，然后应用到 DVR。
  - 如果选中 <**包括网络设置**>，则还会导入网络设置。
- 装入出厂默认值：如果选择了 <**默认**>，将会提示“**装入出厂默认值**”的确认对话框。
  按 <**确定**> 将系统初始化为出厂默认值。

4. 要移至上一菜单，请按 <**上一个**>。





日志信息

您可以浏览关于系统，事件和备份的日志。

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。
使用鼠标可以帮助简化设置。

1. 使用 <**系统**> 窗口中的上/下按钮 (▲▼) 移至 <**日志信息**>，然后按 [**ENTER**] 按钮。
2. 选择 <**系统日志**>。
   - 请参阅“**使用日历**”。(第 33 页)
     单击日历 <▦> 以显示日历窗口。

- 类型：当有太多日志时，您可以通过选择类型来显示所需格式的日志。
- 导出：会将记录在 DVR 中的所有日志导出到存储介质。

3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后按 <**搜索**>。



事件日志

事件日志显示关于警报、动作检测、视频丢失和篡改检查的录制事件。
它还显示日志及其时间标记。
使用鼠标可以帮助简化设置。

1. 使用 <**系统**> 窗口中的上/下按钮 (▲▼) 移至 <**日志信息**>，然后按 [ENTER] 按钮。
2. 选择 <**事件日志**>。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目。
4. 设置搜索日期、频道和类型，然后按 <**搜索**>。
   - 请参阅 “**使用日历**”。(第 33 页)
     单击日历 <▦> 以显示日历窗口。



备份日志

可以了解备份者以及详细信息（备份时间、频道、要使用的设备、文件格式等等）。
使用鼠标可以帮助简化设置。

1. 在 <**系统**> 窗口中，按上/下 (▲▼) 按钮移至 <**日志信息**>，然后按 [ENTER] 按钮。
2. 选择 <**备份日志**>。
3. 使用四个方向按钮 (▲▼◄ ►) 移至所需的项目。
4. 指定搜索术语，然后选择右上角中的 <**搜索**>。
   将会列出该搜索术语的备份详细信息。



主菜单

设置设备

您可以设置摄像机、存储设备、远程设备、POS设备和监视器。

摄像机

设置摄像机

您可以设置摄像机的视频、音频、频道名和帧扫描停留时间。
使用鼠标可以帮助简化设置。

1. 按遥控器或前面板上的 [**MENU**] 按钮。
2. 使用左/右按钮 (◄ ►) 选择 <**设备**>。
   将会选择设备设置菜单。
3. 使用上/下按钮 (▲▼) 移至 <**摄像机**>，
   然后按 [**ENTER**] 按钮。



4. 选择 <**摄像机**>。
   显示 视频、音频、频道名称、帧扫描停留时间、屏幕设置和隐私遮挡的设置窗口。
5. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，
   然后设置数值。



- 视频
  - <**打开/关闭**>：您可以打开/关闭选定频道的摄像机。
  - <**隐蔽1**>：显示除选定频道的视频之外的信息。
    - 为保密，在继续录制时不会显示视频。
  - <**隐蔽2**>：在继续录制时，仅显示空白屏幕。

- 如果频道设置为 <**隐蔽1**> 或 <**隐蔽2**> 模式，频道的声音将听不到。
  但是，如果频道的 音频设置设为 <**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。
    - 实际上4个通道都可以输出音频。
- 频道名称：最多允许包括空格在内的 15 个字符。 (第一个字符不能为空。)
  - 请参阅 “**使用虚拟键盘**”。(第 34 页)

- 帧扫描停留时间：您可以对于现场屏幕和现场输出设置频道之间的停顿时间。
  - 如果设置为 <**关闭**>，频道就不会在自动顺序模式中列出。
- 屏幕设置：在屏幕上出现的视频可能会因频道的摄像机而异，根据您的个人喜好配置 DVR 显示。
  选择频道，并调整选定频道的 <☀（**亮度**）>、<◐（**对比度**）> 和 <🎨（**颜色**）>。
  - 按 <**初始**> 将设置初始回默认的 50。
- 隐私遮挡：可以指定为了您的隐私而保护摄像机视频的某些区域。



6. 在完成摄像机设置后，按 <**确定**>。

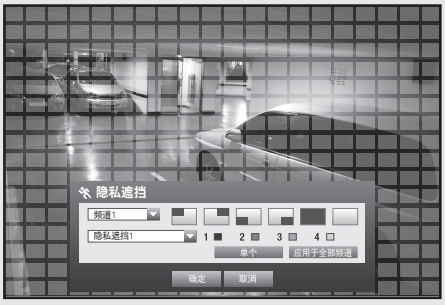
设置加密区域

① 选择 <**隐私遮挡**>。

② 当出现“**隐私遮挡**”窗口时，选择检测频道并设置动作检测区域。

• 在“**隐私遮挡**”窗口中设置区域

在“**隐私遮挡**”窗口中，从 <▀ ▀ ▀ ▀ ▀ ▀> 中选择所需的 区域。



• 隐私遮挡

对于每个频道最多可以指定 4 个加密区域，这些区域可以用颜色标识。

1 ■ 紫色　2 ■ 绿色　3 ■ 蓝色　4 □ 黄色

• 使用 <**单个**> 选择设置区域

在“**隐私遮挡**”窗口中，可以通过使用 <**单个**> 选择单个单元格。
在选择 <**单个**> 时，“**隐私遮挡**”窗口会消失，同时您可以依次选择单元格。
完成动作区域设置后，右键单击以在上下文菜单中选择 <**菜单**>，或按遥控器上的 [**MENU**] 按钮，以再次显示“**隐私遮挡**”窗口。

- 全部删除：从加密区域中除去选择的单元格。
- 菜单：在选择单个动作区域之后，移至“**隐私遮挡**”窗口。
  - 如果选择 <**应用于全部频道**>，选取的动作区域适用于所有频道。

全部删除
菜单

③ 完成加密区域设置之后，单击 <**确定**>。

主菜单

设置 PTZ

要使用摄像机的 PTZ 功能，应该匹配每部摄像机和 DVR 的 ID 和协议。
有关其他设置，请参阅 <**远程设备**> 设置。（第 48 页）

使用鼠标可以帮助简化设置。



1. 使用 <**设备**> 窗口中的上/下按钮 (▲▼) 移至 <**摄像机**>，然后按 [**ENTER**] 按钮。
2. 选择 <**PTZ**>。
   PTZ 设置窗口将会出现。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后选择。

- 端口 ： 选择连接至频道的摄像机的端口控制方法。
  - 有两个选项：<**RS-485**> 和 <**Coaxial**>。
- ID：设置每个频道所连摄像机的 ID。
  您可以通过使用遥控器或前面板上的数字按钮很容易设置。
- 协议：设置每个频道所连摄像机的协议。

- 如果您在将摄像机连接到 DVR 后打开摄像机又关闭，可以检查摄像机的 ID 和协议。
- 对于 <Coaxial> 类型，支持 CCVC 和 PELCO-C 协议。

4. 在完成 PTZ 设置后，按 <**确定**>。

存储设备

您可以检查有关存储设备的信息。

确认设备

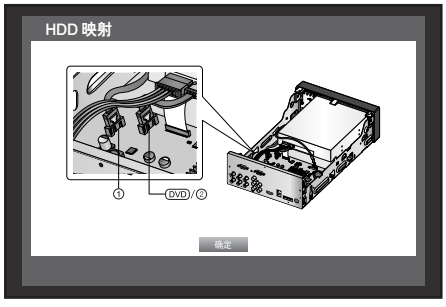
您可以检查存储设备及其可用空间、用途以及状态。
可用的设备包括硬盘和 USB 设备（存储器、硬盘, CD/DVD）。

使用鼠标可以帮助简化设置。

1. 使用 <**设备**> 窗口中的上/下按钮 (▲▼) 移至 <**存储设备**>，然后按 [**ENTER**] 按钮。
2. 选择 <**设备**>。



- 编号：显示内部硬盘的指定号。
  - 要根据号码查看硬盘的详细定位，请参阅 <**HDD 映射**>。
- 已用/总共：显示存储设备的已用/总容量。
- 使用情况：设置存储设备的用途。
  - USB 存储器仅用于备份。
  - 外部 USB 硬盘、SATA 硬盘用于扩展和备份。
- 状态/管理：显示硬盘的当前状态，包括正常/检查/更换。
  - 正常：可以使用
  - 检查：可以使用，但建议更换
  - 更换：要求立即更换。
- HDD 映射：根据指定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。



3. 要移至上一菜单，请按 <**确定**>。

主菜单

格式化

您可以格式化存储设备。

使用鼠标可以帮助简化设置。

1. 使用 <**设备**> 窗口中的上/下按钮 (▲▼) 移至 <**存储设备**>，然后按 [ENTER] 按钮。
2. 选择 <**格式化**>。
   选择设备进行格式化的窗口将会出现。
3. 使用方向按钮 (▲▼◄ ►) 选择要格式化的设备。



4. 选择屏幕底部的 <**格式化**>。
   在“**管理**”确认窗口上按 <**确定**>，将开始格式化选定的设备。
5. 在完成格式化后，按 <**确定**>。



HDD 警报

您可以为硬盘故障设置警报设置，如检查警报输出端口、替换警报输出端口及其持续时间。
使用鼠标可以帮助简化设置。

1. 使用 <**设备**> 窗口中的上/下按钮 (▲▼) 移至 <**存储设备**>，然后按 [ENTER] 按钮。
2. 选择 <**HDD 警报**>。
   设置硬盘检查和更换输出端口及其持续时间的窗口将会出现。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目。



- 警报
  - 在选择 <**1**> 或者 <**2**>时，警报信号将通过背面的警报输出端口输出。
  - 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。
- 警报持续时间：设置警报信号和哔声的警报持续时间。
  - 检查警报、更换警报信号将通过选定的警报输出端口（1、2）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**> 状态表示硬盘正在使用中，但它有需要技术检查的问题。
  ( ) 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。
- 如果无法正确识别安装的硬盘，确认弹出窗口将会出现。

4. 在完成硬盘警报设置后，按 <**确定**>。

主菜单

远程设备

您可以设置 RS-485 通过使用 PTZ 摄像机和系统键盘与 DVR 通讯。
使用鼠标可以帮助简化设置。

1. 使用 <**设备**> 窗口中的上/下按钮 (▲▼) 移至 <**远程设备**>，然后按 [**ENTER**] 按钮。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后按 [**ENTER**] 按钮。
3. 设置远程设备每个通讯设置的值。

- 波特率：DVR、PTZ 摄像机和系统键盘的波特率设置应该匹配才能正常操作。

4. 确保匹配 DVR、系统键盘和遥控器的 ID，然后按 <**确定**>。



■ 若要更改遥控器 ID，请参阅“**更改遥控器 ID**”。(第 13 页)

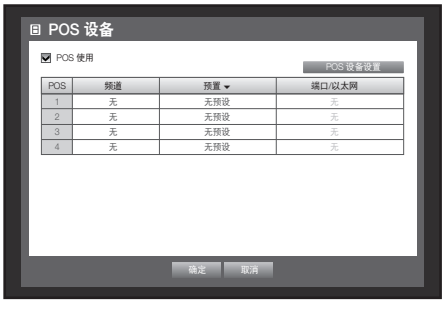
POS 设备

您可以设置已连接至 DVR 的 POS 设备属性。
POS 设备连接要求频道、预设和端口/以太网设置。
使用鼠标可以帮助简化设置。

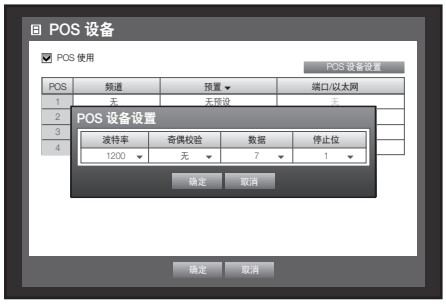
1. 使用 <**设备**> 窗口中的上/下按钮 (▲▼) 移至 <**POS 设备**>，然后按 [**ENTER**] 按钮。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- POS 使用：在选择 <**POS 使用**> 后，DVR 将与 POS 连接。

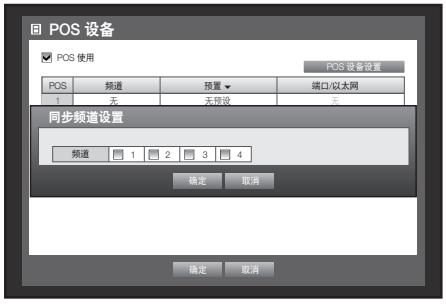
■ 如果您更改设备设置并按 <**确定**>，却没有选中 <**POS 使用**>，将不会保存对 POS 设备的更改。



- POS 设备设置：设置 POS 设备和 DVR 的通讯设置。
  - 它独立于远程设备设置。



- 频道：选择要与 POS 设备同步的摄像机。
  - 如果选择了频道输入字段，“**同步频道设置**”窗口将会出现。
  - 一个 POS 设备最多可以与 4 部摄像机（频道）同步，一个频道也可以与多个 POS 设备同步。
  - 与 POS 设备同步的频道应该在“**主菜单** > **录制** > **录制计划**”中设置为“**事件**”。（第 52 页）



- 预置：设置接收人的姓名、开始和结束客串以进行预设。
  - 预设姓名应该唯一。
  - 使用 <**添加**> 按钮显示“**添加预设**”窗口，并设置其姓名、开始客串和结束客串。
- 端口/以太网：设置 DVR 和 POS 设备连接的端口号。
  - COM1：对于 RS-232C 连接
  - 7001~7016：用于以太网连接

3. 在完成 POS 设备设置后，按 <**确定**>。



主菜单

监视器

您可以配置要显示的信息及其现场输出监视器的格式。

设置监视器

使用鼠标可以帮助简化设置。



1. 使用 <**设备**> 窗口中的上/下按钮 (▲▼) 移至 <**监视器**>，然后按 [**ENTER**] 按钮。
2. 选择 <**监视器**>。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

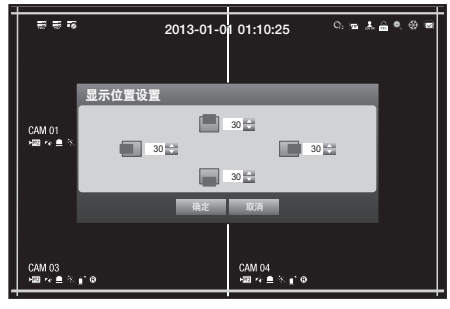
- 事件显示：当事件发生时，设置在显示器上事件频道显示的停顿时间。
  如果选择 <**连续**>，则会显示频道，直到您按下 [**ALARM**] 按钮解除它为止。
- 显示器：仅在检查的项目位于显示屏上时显示。
- VGA/HDMI：将首选屏幕分辨率设置为 <**VGA**> 或 <**HDMI**>。
  如果监视器不支持所选的 <**VGA**> 或 <**HDMI**> 分辨率，它可能无法正确显示视频。

4. 在完成显示器设置后，按 <**确定**>。

屏幕设置

一些监视器可能无法显示有关 DVR 的信息（摄像机名称、图标、时间信息等等），视具体情况而定。然后，可以更改数据的显示位置。

1. 在 <**设备**> 窗口中，按上/下 (▲▼) 按钮移至 <**监视器**>，然后按 [**ENTER**] 按钮。
2. 选择 <**监视器**> 项目。
3. 选择底部的 <**显示位置设置**>。
   将会移至 <**显示位置设置**> 窗口。
4. 使用四个方向按钮、前面板上的数字按钮或遥控器调整数据位置。



设置现场输出

除显示器输出之外，您还可以设置 DVR 以输出信息/视频。
使用鼠标可以帮助简化设置。

1. 使用 <**设备**> 窗口中的上/下按钮 (▲▼) 移至 <**监视器**>，然后按 [ENTER] 按钮。
2. 选择 <**现场输出**>。
   - “现场输出”端子数因型号而异。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。



- 现场输出 1：默认情况下，它支持自动顺序和单画面模式，并且如果选择 <**多个现场**> 输出，它还支持 4 分屏模式。
- 现场输出 2：它支持自动切换和单画面模式。
- 设置模式：“**设置现场输出**”窗口将会出现，您可以为它设置频道。
  您可以设置在“**设置设备** > **摄像机** > **帧扫描停留时间**”切换时屏幕间的停顿时间。(第 33 页)
- 事件显示：设置关于事件现场输出的持续时间。
  如果选择 <**关闭**>，事件将不会输出至现场输出。



- 您可以在现场屏幕中使用鼠标右键进行设置。
  请参阅“**现场输出**”。(第 29 页)
- 如果选择<**多个现场**>式，则双帧模式无效。

4. 在完成现场输出设置后，按 <**确定**>。

设置屏幕模式

您可以配置实时画面和播放屏幕。
使用鼠标可以帮助简化设置。

1. 使用 <**设备**> 窗口中的上/下按钮 (▲▼) 移至 <**监视器**>，然后按 [ENTER] 按钮。
2. 选择 <**模式**>。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- 现场屏幕：选择现场屏幕的分屏模式。
  默认情况下，
  基本选项包括 4 分屏模式。
- 播放屏幕：显示要在播放视频时显示的分屏。

4. 在完成屏幕模式设置后，按 <**确定**>。



主菜单

设置录制

您可以设置计划的录制、事件录制和其他录制相关的设置。

录制计划

预定日期和时间以便在指定的时间计划录制。

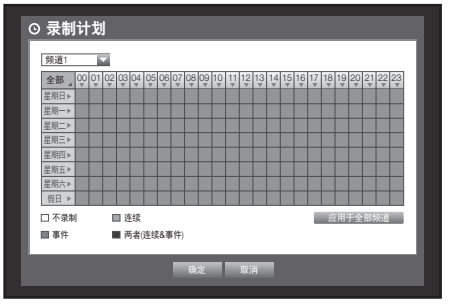
使用鼠标可以帮助简化设置。

1. 按遥控器或前面板上的 [**MENU**] 按钮。
2. 使用左/右按钮 (◄ ►) 选择 <**录制**>。
   选择录制菜单。
3. 使用上/下按钮 (▲▼) 移至 <**录制计划**>，然后按 [**ENTER**] 按钮。



4. 选择 <**录制时间表**>。
   计划的录制设置窗口将会出现。
5. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，
   然后设置数值。

- 频道：选择一个频道以设置录制计划时间和日期格式。
- 录制类型：选择各个时间单元格，然后选择类型开始录制。



- 应用于全部频道：如果选择 <**应用于全部频道**>，
  “**应用于全部频道**”窗口将会出现。
  按 <**确定**> 将设置应用于全部频道中。

6. 在完成录制计划设置后，按 <**确定**>。



- 事件录制和计划录制会在事件/计划前约 3 秒开始，以保证录制内容完整。

录制颜色标记

颜色	部件名称	功能
白色	不录制	无计划/事件录制
橙色	连续	仅适于计划的录制
蓝色	事件	仅适于事件录制
绿色	两者(连续&事件)	适于计划/事件录制

每次按所选单元格均会通过 <**不录制**>-<**连续**>-<**事件**>-<**两者（连续&事件**）> 循环。

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。
使用鼠标可以帮助简化设置。



1. 使用 <**录制**> 窗口中的上/下按钮 (▲▼) 移至 <**事件录制持续时间**>，然后按 [**ENTER**] 按钮。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- 事件前：录制将保持从早于实际事件发生的事件前时间设置的点开始。
  如果设置为 5 秒，则录制从事件前的 5 秒钟开始进行。
- 事件后：录制将保持到与事件实际结束时间相比之后设置的事件后的时间点。
  如果设置为 5 秒，则录制在事件之后的 5 秒钟内结束。

3. 在完成事件录制持续时间设置后，按 <**确定**>。

录制质量和分辨率

您可以按频道和按标准/事件的录制类型设置分辨率、FPS 和录制质量。
有关分辨率的更多信息，请参阅“**产品规格**”一节。(第 113 页)

设置标准录制属性

您可以设置每个频道的分辨率、质量和 FPS 以进行正常录制。
使用鼠标可以帮助简化设置。



1. 使用 <**录制**> 窗口中的上/下按钮 (▲▼) 移至 <**录制质量和分辨率**>，然后按 [**ENTER**] 按钮。
2. 选择 <**标准**>。
3. 在完成录制设置后，按 <**确定**>。

主菜单

设置事件录制属性

您可以设置每个频道的分辨率、质量和 FPS 以进行事件录制。
使用鼠标可以帮助简化设置。

1. 使用 <**录制**> 窗口中的上/下按钮 (▲▼) 移至 <**录制质量和分辨率**>，然后按 [ENTER] 按钮。
2. 选择 <**事件**>。
   事件录制设置窗口将会出现。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后选择。



- 分辨率：设置录制屏幕的分辨率。
- 录制速率：每秒图像，指每一秒录制的帧。
- 录制质量：设置录制质量。

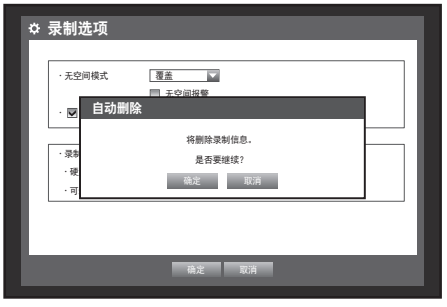
■ 如果当前剩余数目已达到 0，或当前其他页面上没有剩余数目，则您无法增加剩余数目。这种情况下，请减少当前页面的剩余数目，或减少同一频道上任何其他页面的剩余数目。

4. 在完成事件录制设置后，按 <**确定**>。

录制选项

当硬盘空间足够时，您可以将录制设为停止或覆盖。
使用鼠标可以帮助简化设置。

1. 使用 <**录制**> 窗口中的上/下按钮 (▲▼) 移至 <**录制选项**>，然后按 [ENTER] 按钮。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目， 然后设置数值。



- 无空间模式：如果已选择 <**覆盖**>，录制将会继续，即使硬盘已满也能覆盖最旧的数据。
  如果选择 <**停止**>，在硬盘满时录制就会停止。
- 自动删除：如果您选中它，会激活录制时间段设置。
  如果您指定自动删除时间段，则会自动删除该时间段之前的录制数据。
  ■ 仅当将磁盘结束模式设置为 <**覆盖**> 时，此选项才可用。
- 硬盘可用空间：显示硬盘上剩余的可用空间。
- 可录制（天数 /小时数）：根据剩余可用空间，显示估计可用于录制的剩余天数和小时数。

3. 在完成录制选项设置后，按 <**确定**>。

设置事件

您可以针对传感器、动作、视频丢失和篡改检查事件设置录制选项。

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。

使用鼠标可以帮助简化设置。

1. 按遥控器或前面板上的 [**MENU**] 按钮。
2. 使用向左/向右按钮 (◄ ►) 选择 <**事件**>。
   将会选择事件设置菜单。



3. 使用上/下按钮 (▲▼) 移至 <**传感器检测**>，然后按 [**ENTER**] 按钮。
   传感器检测设置窗口将会出现。
4. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

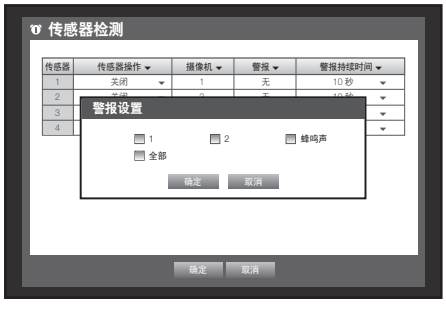


- 传感器操作：设置传感器的操作模式。
  - <**关闭**>：传感器没有操作。
  - <**常开**>：传感器处于打开状态。
    如果传感器被关闭，会发出警报。
  - <**常闭**>：传感器处于关闭状态。
    如果传感器受到中断而打开，会发出警报。
- 摄像机：选择要连接至传感器的频道。
  如果选择摄像机，“**摄像机预设设置**”窗口会出现。
  选择频道，并设置预设。
  - 在 PTZ 模式下可进行预设设置。
    请参阅“**预设设置**”。(第 75 页)



- 警报：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** > **警报**”。(第 47 页)
- 警报持续时间：设置警报信号和警报声音的持续时间。

5. 在完成传感器检测设置后，按 <**确定**>。



主菜单

动作检测

您可以设置目标检测区域和动作，以及警报信息输出。
当设置动作检测区域时，它会在该区域内检测动作。
使用鼠标可以帮助简化设置。



1. 使用 <**事件**> 窗口中的上/下按钮 (▲▼) 移至 <**动作检测**>，然后按 [ENTER] 按钮。
   动作检测区域设置窗口将会出现。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- 模式：设置是否激活动作检测。
- 灵敏度：设置动作检测的灵敏度级别。
- 警报：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** > **警报**”。（第 47 页）
- 警报持续时间：设置警报信号和警报声音的持续时间。

3. 在完成动作检测设置后，按 <**确定**>。

设置动作检测区域

① 选择 <**动作地区**>。

② 当出现“**动作地区**”窗口时，选择检测频道并设置动作检测区域。

- 在“**动作地区**”窗口中设置区域

在“**动作地区**”窗口中，从 <> 中选择所需的 区域。

- 使用 <**单个**> 选择设置区域

在“**动作地区**”窗口中，可以通过使用 <**单个**> 选择单个单元格。



在选择 <**单个**> 时，“**动作地区**”窗口会消失，同时您可以依次选择单元格。
当进行动作区域设置时，按屏幕上的 <**菜单**> 或遥控器或前面板上 [MENU] 按钮以再次显示“**动作地区**”窗口。

- 选择：选择的单元格被设为动作检测区域的一部分。
- 取消选择：从动作检测区域删除选择的单元格。
- 翻转：取消选择单元格被设为动作检测区域。
- 菜单：在选择单个动作区域之后，移至“**动作地区**”窗口。
  - 如果选择 <**应用于全部频道**>，选取的动作区域适用于所有频道。



③ 在完成动作检测设置后，按 <**确定**>。

视频丢失检测

是由于视频丢失导致产生警报。

使用鼠标可以帮助简化设置。

1. 使用 <**事件**> 窗口中的上/下按钮 (▲▼) 移至 <**视频丢失检测**>，然后按 [ENTER] 按钮。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。



- 视频丢失状态：设置是否激活视频丢失检测。
- 警报：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** > **警报**”。（第 47 页）
- 警报持续时间：设置警报信号和警报声音的持续时间。

3. 视频丢失检测设置完成后，按 <**确定**>。

篡改检查

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

使用鼠标可以帮助简化设置。

1. 使用 <**事件**> 窗口中的上/下按钮 (▲▼) 移至 <**篡改检查**>，然后按 [ENTER] 按钮。
   防拆检测设置屏幕将会出现。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。



- 模式：设置是否使用防拆检测。
- 灵敏度：设置防拆检测的灵敏度级别。
- 警报：设置警报输出方式。
- 持续时间：设置警报信号输出及其停留时间。

3. 完成防拆检测设置并选择 <**确定**>。

- 由于篡改检查设计和优化取决于用户定义的灵敏度等级，在一般检测情况，变动的灵敏度条件下，可能不会呈现显著差异。
- 当篡改检测模式设置为<**打开**>时，建议将相应频道的事前记录时间设置为至少10秒。

主菜单

警报计划

您可以设置计划警报的条件和操作时数。
使用鼠标可以帮助简化设置。

1. 使用 <**事件**> 窗口中的上/下按钮 (▲▼) 移至 <**警报计划**>，然后按 [**ENTER**] 按钮。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。



- 警报：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** > **警报**”。（第 47 页）
- 打开：以桔黄色标记，而且总是以计划的时间生成警报。
- 关闭：以白色标记，即使发生事件时也不会产生警报。
- 事件同步：以蓝色标记，仅当发生事件时产生警报。
- 应用于所有警报：将配置的计划应用于所有警报。



- 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。

3. 在完成警报计划设置后，按 <**确定**>。

备份

您可以按频道或时间检查备份设备和设置备份计划。
本产品仅支持 USB 存储器/DVD 的外部硬盘和 USB/SATA 类型。（第 114 页）

设置备份

您可以将所需的数据备份到连接的设备上。
使用鼠标可以帮助简化设置。

1. 按遥控器或前面板上的 [**MENU**] 按钮。
2. 使用左/右按钮 (◄ ►) 选择 <**备份**>。即选择备份菜单。



3. 按 [**ENTER**] 按钮。
会出现备份窗口。
您可以从“**现场屏幕菜单**”直接访问它。(第 23 页)



4. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，
然后设置数值。

- 备份范围：设置备份的 <**开始**> 和 <**结束**> 时间。
- 频道：设置要备份的频道。
可以选择多个频道。
- 设备：从识别的设备中选择备份设备。
- 类型：设置备份数据格式。
  - DVR：保存的数据只能通过 DVR 播放。
  - AVI : 您可以针对传感器、动作、视频丢失和篡改检查事件设置录制选项。
    - 如果需要在 Windows 中安装编解码器，则运行备份 AVI 文件时创建的编解码器文件夹中的 x264_dvr.exe 文件。
  - SEC：以带有内置查看器的 Samsung 专有格式保存数据，其支持在电脑上直接播放。
- 文件名：您可以设置备份文件名。
  - 请参阅“**使用虚拟键盘**”。(第 34 页)
- 检查容量：显示所选备份数据的大小、所选备份设备的已用和可用容量。
- 重叠：相同时间的两段录像重叠数据列表。
当一个频道在特定的时间点（由于时间改变或时区变化等）有多个数据时出现。
  - 请参阅“**设置日期/时间/语言**”的时间和时区。(第 32 页)

5. 在完成备份设置后，按 <**确定**>。
  - 如果没有可识别的设备用于备份，则 <**确定**> 按钮不会被激活。

- 在备份期间，应用程序运行速度可能会降低。
- 当 CD/DVD 或存储器设备用作备份时，由于系统消耗了其部分容量，因此备份不会用到媒体的全部容量。
- 当备份进行时，在Web 查看器上视频会播放。但是不支持音频。
- 您可以切换到菜单屏幕在操作过程中备份，但是数据放音不可用。
- 如果 CD 或 DVD 媒体发生错误、磁盘托盘打开和关闭几次，则最终会使备份过程失败。 在这种情况下，请更换 CD/DVD 媒体，然后重试。
- 如果备份失败，请选择“**设备** > **存储设备**”，并检查硬盘的可用空间，同时检查是否正确连接硬盘。

- 在备份期间按 <**退出**> 将会返回至上一个菜单，而不会继续备份。

主菜单

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。

连接模式

您可以设置网络连接路由和协议。

设置连接

设置网络的通讯协议和环境。

使用鼠标可以帮助简化设置。

1. 按遥控器或前面板上的 [**MENU**] 按钮。
2. 使用左/右按钮 (◄ ►) 选择 <**网络**>。
   会选择网络菜单。
3. 使用上/下按钮 (▲▼) 移至 <**连接模式**>，然后按 [**ENTER**] 按钮。



4. 选择 <**接口**>。
   会出现连接模式设置窗口。
5. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。



- IP 类型：设置网络连接模式。
- 传输带宽：设置需要传输的最大数据流。（上传速度）
  选项将视选择的连接模式而异。
  - 对于 <**静态**>、<**DHCP**>：从 50 kbps ~ 2Mbps 和 **“无限制”** 中选择一个。
  - 对于 <**PPPoE**>，从 50 kbps ~ 600 kbps 中选择一个。

- IP 地址、网关、子网掩码和 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**”和“**密码**”。



■ 对于 <**DHCP**> 和 <**PPPoE**> 的 DNS 服务器仅在选择 <**手动**> 时由用户设置。

6. 在完成连接设置后，按 <**确定**>。

设置端口

1. 使用 <**网络**> 窗口中的上/下按钮 (▲▼) 移至 <**连接模式**>，然后按 [**ENTER**] 按钮。

2. 选择 <**端口**>。

3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。



- 协议类型：选择 TCP 和 UDP 间的协议类型。
  - TCP：如果与 UDP 比较，TCP 连接更稳定，但速度较慢。建议用于互联网连接。
  - UDP：如果与 TCP 比较，UDP 稳定性略低，但速度较快。建议在 LAN 环境中使用。
  - ■ 如果选择 UDP，则会激活、UDP 端口 和单播/多播。
  - ■ 如果将连接模式设置为 PPPoE，则不能选择 UDP 作为协议类型。
- 设备端口：在开始时，设置 <**4520~4524**>。按 5 的倍数增加/减少。
  - 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：在开始时，设置 <**8000~8160**>。按 160 的倍数增加/减少。
- 单播/多播：在 UDP-单播 和 UDP-多播 中选择一个。
  如果选择多播，则会激活多播 IP 和 TTL。
  - UDP-单播：将数据包传输至个别客户端。
  - UDP-多播：允许与多个客户端进行数据通信，导致网络不能容纳其他流量。
- 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 查看器的端口号。在开始时，它被设为 <**80**>。
- 多个浏览器支持：借助支持Silverlight的浏览器可以使用网络查看器。
  只有当HTTP端口设置为80、协议类型为TCP、设备端口范围为4505-4530时，才可以使用多画面查看器。
  这是为了保护Silverlight的安全。

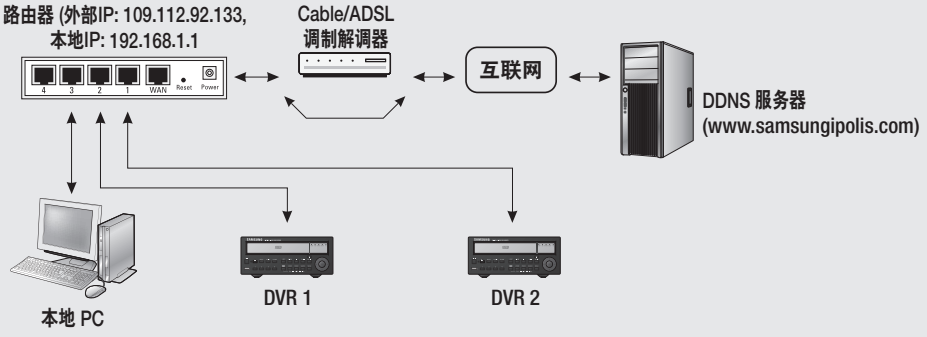
4. 在完成协议设置后，按 <**确定**>。

主菜单

注意

■ 在多浏览器环境下，<**HTTP 端口**>应设置为80 (专用端口)。
对于RTSP, 从4505和4530中选择一个。

• **网络概要**



System	DVR 1		DVR 2	
	WEB	RTSP	WEB	RTSP
IP	192.168.1.200	192.168.1.200	192.168.1.202	192.168.1.202
协议	TCP	TCP	TCP	TCP
专用端口	80	4520~4524	81	4525~4529
公共端口	80	4520~4524	81	4525~4529



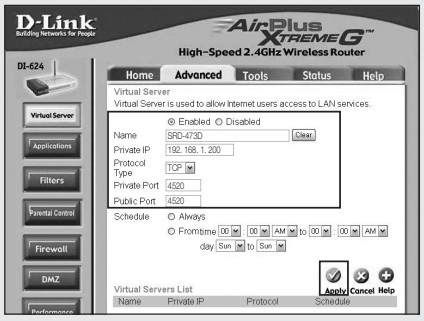




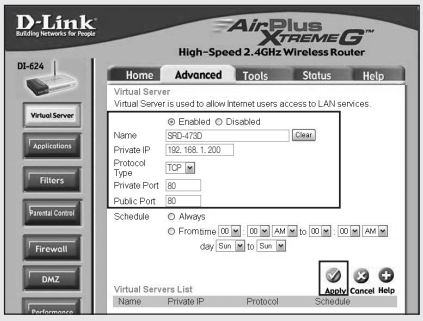


• **第一台DVR 端口映射设置**

端口映射为 4520~4524
(4520, 4521, 4522, 4523, 4524)

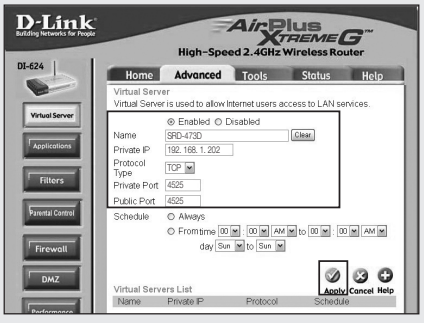


端口映射为 80

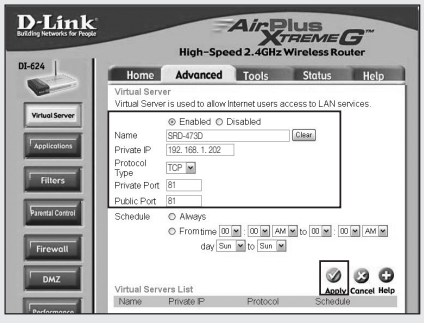


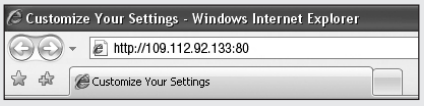
• **第二台DVR 端口映射设置**

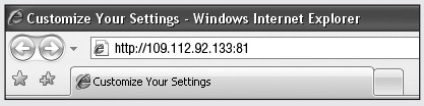
端口映射为 4525~4529
(4525, 4526, 4527, 4528, 4529)



端口映射为 81







主菜单

连接和设置网络

网络可能具有不同的连接方式，请在设置连接模式之前先检查您的环境。

如果没有使用路由器

- **静态 模式**

- 互联网连接：静态 IP PPPoE、租用线路和 LAN 环境支持 DVR 和远程用户间的连接。
- DVR 网络设置：将已连 DVR 的 <**连接**> 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 地址、网关和子网掩码。



- **DHCP 模式**

- 互联网连接：将 DVR 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。
- DVR 网络设置：将已连 DVR 的 <**连接**> 菜单中的 <**接口**> 设置为 <**DHCP**>。

- **PPPoE 模式**

- 互联网连接：PPPoE 调制解调器直接连接至 DVR，此时 PPPoE 连接需要用户 ID 和密码。
- DVR 网络设置：将已连 DVR 的 <**连接**> 菜单中的 <**接口**> 设置为 <**PPPoE**>。
  - <**ID**> 和 <**密码**> 应与 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。



如果使用路由器

■ 为避免 IP 地址与 DVR 的静态 IP 发生冲突，请对以下进行检查：

• 设置带有静态 IP 的 DVR

- 互联网连接：您可以将 DVR 连接至与 ADSL/Cable 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 DVR 网络

1. 将已连 DVR 的 <**连接**> 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 地址、网关、和子网掩码：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 地址：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，但要在密码字段中输入“admin”，并按 <**确定**> 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。

主菜单

• **设置路由器的正向端口**

1. 将协议设置为 <**TCP**>。
2. 外部端口范围：将 TCP 端口设置输入到已连 DVR 的 <**端口**> 菜单中的 <**设备端口**>。
   如果多个 DVR 与路由器连接，则 TCP 端口可能会不同。
3. 内部 PC IP 地址：将 IP 地址设置输入到已连 DVR 的 <**接口**> 菜单中的 <**IP 地址**> 中。
4. 内部端口范围：设置与“**外部端口范围**”相同。



■ 以上步骤可能根据厂商的路由器设备而有所不同。
当您访问从路由器的网络外部连接该路由器的 DVR 时需要正向端口。

DDNS

您可以为远程用户的网络连接设置 DDNS 站点。
使用鼠标可以帮助简化设置。

1. 使用 <**网络**> 窗口中的上/下按钮 (▲▼) 移至 <**DDNS**>，然后按 [**ENTER**] 按钮。
   DDNS 设置屏幕将会出现。
2. 使用虚拟键盘输入 <**产品 ID**>。
   - ■ 请参阅“**使用虚拟键盘**”。(第 34 页)
   - ■ 如果选择 <**关闭**> 则会取消激活输入字段。
   - ■ 如果选择了 <**iPOLiS**>，将会禁用服务器名称字段。



- DDNS 站点：设置是否使用 DDNS，并选择 DDNS 站点（如果已启用）。
- 服务器名称：输入所选 DDNS 站点的服务器名称。
- 产品 ID：输入向 DDNS 站点注册的产品 ID。
- Quick Connect：如果将 <**DDNS 站点**> 设置为 <**iPOLiS**>，则会出现。
  要使用此功能，请将 DVR 连接至 UPnP 路由器并设置为 <**使用**>。

■ 如果在处理期间取消了 quick connect 设置，则系统会自动将它设置为 <**未使用**>。

3. 在完成 DDNS 设置后，按 <**确定**>。

DDNS 设置

DDNS 是动态域名命名系统 (Dynamic Domain Naming System) 的缩略形式。
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 DVR 中设置 DDNS**

  将已连 DVR 的 <**端口**> 菜单中的 <**协议类型**> 按如下进行设置：

  例如）协议类型：TCP
  设备端口：4520~4524
  DDNS 站点：iPOLiS

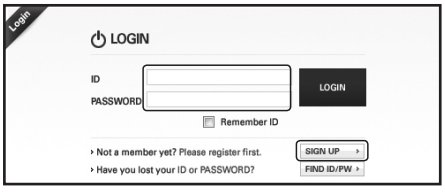
- **路由器的 DDNS 设置**

  选择路由器网络传输协议的相应菜单。

- **设置 SAMSUNG iPOLiS DDNS**

转到你的电脑

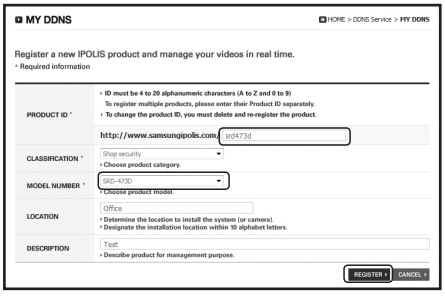
1. 打开浏览器，转到 http://www.samsungipolis.com，然后单击 <**LOGIN**>。
2. 首先，需要创建一个帐户。
   单击 <**SIGN UP**>。
3. 按照网站上的帐户注册说明进行注册。
4. 完成帐户注册后，登录帐户。



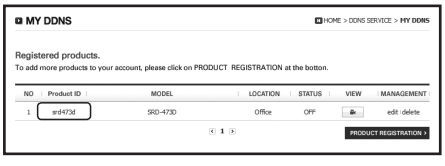
5. 将 DVR 添加到帐户中。单击 <**PRODUCT REGISTRATION**>。



6. 为 DVR 创建一个名称（“产品 ID”）。使用 4 到 20 个字母数字字符，不带空格。 选择 DVR 的类别、型号，然后单击 <**REGISTER**>。



7. 注册后，会在列表中看到产品。



主菜单

返回 DVR

1. 在“网络”选项卡中，单击 <**DDNS**>。



2. 在“DDNS 站点”下，选择 <**iPOLiS**>。



3. 在“产品 ID”下，输入在 Samsung iPOLiS 网站上创建的产品 ID。
   在“Quick Connect”下，选择 <**使用**>，然后单击 <**确定**>。



■ 如果连接未成功，则路由器可能不支持 UPNP。
有关在路由器上启用 UPNP 的详细信息，请参阅路由器手册。



当前传输

设置从 DVR 传输至网络的图像质量。

使用鼠标可以帮助简化设置。

1. 使用 <**网络**> 窗口中的上/下按钮 (▲▼) 移至 <**当前传输**>，然后按 [**ENTER**] 按钮。
   现场传输窗口将会出现。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- 分辨率：显示所选网络配置文件的分辨率设置。
- 质量：显示所选网络配置文件的图像质量设置。

3. 在完成现场传输后，按 <**确定**>。



主菜单

邮寄服务

您可在特定的时间间隔或在事件发生时向 DVR 注册的用户发送电子邮件。

- 如果摄像机的视频设置为 <**关闭**> 无剩余录制计数菜单，则将仅有文本通知发送到适用的电子邮件地址。

- 如果将电子邮件通知的间隔设置得太短，电子邮件服务器可能会将它视为垃圾邮件，无法正常传输。

SMTP 设置

设置 SMTP 邮件服务器。
使用鼠标可以帮助简化设置。



1. 使用 <**网络**> 窗口中的上/下按钮 (▲▼) 移至 <**邮寄服务**>，然后按 [**ENTER**] 按钮。
2. 选择 <**SMTP**>。
   将看到 SMTP 设置窗口。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- 服务器类型：显示已连接的服务器类型。
- 服务器地址：输入要与之连接的服务器。
- 端口：设置通讯端口。
- 使用认证：检查以确定 SMTP 服务器是否使用了用户验证。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：从 <**从不**> 和 <**TLS（如果可用）**> 中选择一个。
- 发件人地址：使用虚拟键盘输入发件人的电子邮件地址。
  - 请参阅 “**使用虚拟键盘**”。(第 34 页)
- 电子邮件测试：对服务器设置进行测试。

4. 在完成 SMTP 设置后，按 <**确定**>。

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。

使用鼠标可以帮助简化设置。



1. 使用 <**网络**> 窗口中的上/下按钮 (▲▼) 移至 <**邮寄服务**>，然后按 [ENTER] 按钮。
2. 选择 <**事件**>。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- 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。
- 使用事件传输：在事件发生时，选择要发送的事件类型。
  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。

4. 在完成事件设置后，按 <**确定**>。

组设置

您可以设置发送电子邮件的组，并为每个组指定权限。
您可以在 <**收件人**> 菜单项中为每个组添加收件人。
收件人分别从 DVR 用户组中设置。

使用鼠标可以帮助简化设置。



1. 使用 <**网络**> 窗口中的上/下按钮 (▲▼) 移至 <**邮寄服务**>，然后按 [ENTER] 按钮。
2. 选择 <**组**>。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- 添加：选择 <**添加**> 并使用虚拟键盘添加组。
  - 请参阅“**使用虚拟键盘**”。(第 34 页)
- 删除：删除选择的组。
- 重命名：会重命名注册的组。
- 接收人许可权：设置接收人组的许可权。

4. 在完成组设置后，按 <**确定**>。

主菜单

接收人设置

您可以根据需要，将收件人添加至指定的组，或者从指定的组中删除收件人，还可以编辑组。
使用鼠标可以帮助简化设置。

1. 使用 <**网络**> 窗口中的上/下按钮 (▲▼) 移至 <**邮寄服务**>，然后按 [**ENTER**] 按钮。
2. 选择 <**收件人**>。
3. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。



- 添加：您可以选择收件人名称、电子邮件地址或组。
  在将用户添加到组之前，您应在 <**组**> 菜单项中创建组。
  - 有关输入收件人名称和电子邮件地址的信息，请参阅“**使用虚拟键盘**”。(第 34 页)
4. 在完成收件人设置后，按 <**确定**>。



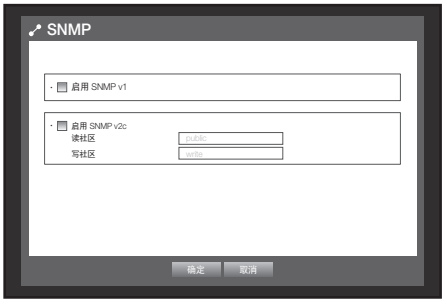
SNMP

您可以配置 SNMP 协议的设置。
使用鼠标可以帮助简化设置。

1. 使用 <**网络**> 窗口中的上/下按钮 (▲▼) 移至 <**SNMP**>，然后按 [**ENTER**] 按钮。
   SNMP 设置屏幕将会出现。
2. 使用方向按钮 (▲▼◄ ►) 移至所需的项目，然后设置数值。

- 启用 SNMP v1：SNMP V1 将处于活动状态。
- 启用 SNMP v2c：SNMP V2 将处于活动状态。
  - 读社区：读取社区，可于其中访问支持 SNMP 协议的对象。
  - 写社区：写入社区，可于其中访问支持 SNMP 协议的对象。

3. 完成加密区域设置之后，单击 <**确定**>。



控制 PTZ 设备

DVR 能使您将 PTZ 摄像机和普通设备的设置调整为您所喜好的设置。

PTZ 设备

PTZ 设备仅在选择与 PTZ 摄像机连接的频道时激活。

开始使用 PTZ

PTZ 摄像机仅在通过以下方式选择频道时可用：

- 使用遥控器按钮
  按遥控器上的 [**PTZ**] 按钮。
- 使用启动器菜单
  单击 < PTZ > 显示现场启动器。
- 在现场模式中使用鼠标右键单击菜单
  使用鼠标右键单击屏幕的任意位置显示上下文菜单，然后选择 <**PTZ 控制**>。



- 使用现场屏幕上的图标
  单击现场屏幕上的 <PTZ> 图标。



- PTZ 功能仅在连接 PTZ 摄像机以在屏幕上显示 <PTZ> 图标时可用。

主菜单

使用 PTZ 摄像机

您可以使用一个摄像机执行平移、倾斜和缩放的所有功能以监视多个位置，并且可对所需模式的喜好进行预设。

1. 启动 <**PTZ 控制**> 菜单。
当右下角的 <PTZ> 图标变为黄色时，
您可以访问“**PTZ 控制**”模式以显示“**PTZ 控制**”菜单。



- 请务必在操作之前配置 PTZ 工作环境，因为即使在 PTZ 尚不可操作之前，也可能会激活 PTZ 正在工作（活动）标记。

2. 在启动器菜单中使用 PTZ 滚轮调整监视区域,或者使用遥控器上的方向按钮 (▲▼◄ ►) 将摄像机移至所需位置。

- PTZ 滚轮：单击离中心较近的点将向该方向缓慢移动；单击离中心较远的点将快速移动。
  - 不断单击左边将以逆时针方向旋转镜头；不断单击右边将以顺时针方向旋转镜头。
- 缩放 ( )：您可以使用 PTZ 摄像机的缩放功能。
- 光圈 ( )：调整光圈的光线强度。
- 对焦 ( )：可让您手动调节对焦设置。
- 摆动：在预设起始点和结束点之间移动。
- 组：通过结合预设、模式和自动平移在指定的路径中移动。
- 跟踪：在预先定义的路径中移动摄像机的取景框。
- 预置：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。
- 巡视：通过结合多个分组在指定的路径中移动。
  - 对于同轴通信，操作可能会因协议而异。

- 在进入 PTZ 设备控制模式之前，在 <**设置 PTZ**> 菜单中设置 PTZ 设备的数值。（第 44 页）
- 有关 PTZ 通讯支持的详细信息，请参阅网站中的适用摄像机规格。

预设设置

预设是 PTZ 摄像机的一组指定的目标点，且每个摄像机最多可存储 127 个预设。

使用鼠标可以帮助简化设置。

1. 在 PTZ 控制模式中，使用方向按钮将摄像机调整到所需的方向。
2. 选择 <**保存**> 键。
   输入预设的虚拟键盘将会出现。
   - 请参阅 “**使用虚拟键盘**”。(第 34 页)

- 保存：您可以添加和保存预设。
- 重命名：您可以更改现有预设的名称。
- 删除：删除选择的预设。
- 全部删除：删除全部现有的预设。

- 如果您将存储预设列表频道的摄像机更换为一部新摄像机，则应随之重新进行预设。

3. 按 <**确定**>。
   预设将保存为您所输入的名称。

摄像机设置

PTZ 摄像机具有其自己的菜单系统。根据 DVR 优化 PTZ 摄像机。

使用鼠标可以帮助简化设置。

- 选择 PTZ 控制菜单中的 <**摄像机设置**>。
  摄像机特定菜单将会出现。
  - 您只能配置支持 Samsung、Pelco D/P、AD 和 Panasonic 协议的那些摄像机的设置。
  - 如果您要在摄像机菜单中设置自动平移或模式，将适当的按钮按住一定时间，以便使按钮操作能够与正常 PTZ 设置有所不同。



搜索和播放

搜索

您可以按照时间或搜索条件（如事件）对录制的数据进行搜索。
您可以在现场模式中直接访问 <**搜索**> 菜单。

1. 在现场模式下，使用鼠标右键单击屏幕的任意位置。
   现场屏幕将会出现。
2. 选择 <**搜索**>。
   或者，按遥控器或前面板上的 [**SEARCH**] 按钮。



3. “搜索”菜单将会出现。
   - 如果您在“**主菜单** > **设备** > **POS 设备**”菜单中没有选中 <**使用 POS**>，则搜索菜单不会包括 <**POS 搜索**> 项目。（第 48 页）
4. 该搜索可能受自动删除功能限制。
   请参阅“**设置录制** > **录制选项**”。（第 54 页）



- 重叠数据：它仅在特定时间存在重叠数据时出现，是由于 DVR 的时间设置更改产生的。从 <**列表**0> 看，最新的数据出现在最前面。
  它不会出现在 <**备份搜索**> 中。

时间搜索

您可以搜索所需时间的录制数据。
由于显示的时间可能因时区和 DST 标准时间而异，以同一时间录制的数据时间可能在显示上有所不同，这取决于时区和 DST 设置。

使用鼠标可以帮助简化设置。

1. 在 <**搜索**> 菜单中选择 <**时间搜索**>。
2. 选择要搜索的日期。
   - 请参阅“**使用日历**”。（第 33 页）
3. 将会列出在特定日期录制的数据。
   根据日期类型显示栏会有所不同。
   检查数据类型以确定左方格中的颜色。
4. 使用方向按钮 (▲▼◄ ►) 设置搜索条件，然后按 [**ENTER**] 按钮。



- 转至第一：移至最早的日期。
- 转至末尾：移至最近的日期。
- 时间：输入时间以执行搜索或使用上/下按钮 <▲▼> 选择一个。

- 放大：映射会详细放大。
  它将依次按 24 小时、16 小时、8 小时、4 小时的顺序进行切换。
- 缩小：映射将以上述详细模式相反的顺序进行切换。
  它将依次按 4 小时、8 小时、16 小时、24 小时的顺序进行切换。



■ 双击所需的时间将其放大/缩小。

- 预览：单击 <**频道**> 并在 <**持续时间**> 中选择（单击、拖动）一次以显示该部分的静态图像。
  - 如果所选的图像不包括任何录制的数据，它将会标记为黑色。

5. 选择数据项目并单击 <**播放**>。
   屏幕将切换到数据播放模式。

事件搜索

您可以按频道搜索事件，然后进行播放。
使用鼠标可以帮助简化设置。

1. 在 <**搜索**> 菜单中选择 <**事件搜索**>。
2. 使用方向按钮 (▲▼◄ ►) 设置搜索条件，然后按 [ENTER] 按钮。
   ■ 将会找到在特定日期进行的所有录制事件。
   （包括正常/计划录制）



- 日期/时间预览：如果您选择此列表中的数据项目，所选数据的静态图像将会显示在左预览窗格中。
- 事件：显示已发生的事件类型。

3. 选择数据项目并单击 <**播放**>。
   屏幕将切换到事件数据播放模式。

备份搜索

搜索已连接备份设备中的备份数据。
只有 DVR 格式的数据才包括在搜索中。
请参阅“**备份** > **设置备份**”中的 <**类型**>。（第 58 页）
使用鼠标可以帮助简化设置。

1. 在 <**搜索**> 菜单中选择 <**备份搜索**>。
2. 使用方向按钮 (▲▼◄ ►) 设置搜索条件，然后按 [ENTER] 按钮。



- 录制时间段：显示录制时间段。
- 频道信息：显示已录制的频道。
- 播放开始时间：选择开始播放的时间。

3. 选择数据项目并单击 <**播放**>。
   屏幕将切换到备份数据播放模式。

搜索和播放

POS 搜索

您可以搜索与 DVR 连接的 POS 设备中的数据。
您还可以使用鼠标选择相关的项目。



1. 在 <**搜索**> 菜单中选择 <**POS 搜索**>。
2. 使用方向按钮 (▲▼◄ ►) 设置搜索条件，然后按 [ENTER] 按钮。
   - 您可以输入特定文字以精确搜索。

- 关键字：使用虚拟键盘输入关键字。
- 搜索条件：
  - <**区分大小写**>：如果选择，则会按区分大小写进行搜索。
  - <**全字匹配**>：如果选择，只会找到完全匹配的关键字。
- 预览：选择表中的数据项目以显示预览图像。
  有关图像的信息将会显示在屏幕底部。
- ◄II II►：如果存在巨大的搜索结果列表，您可以使用这些按钮加快搜索。

3. 选择数据项目并单击 <**播放**>。
   屏幕将切换到 POS 数据播放模式。

动作搜索

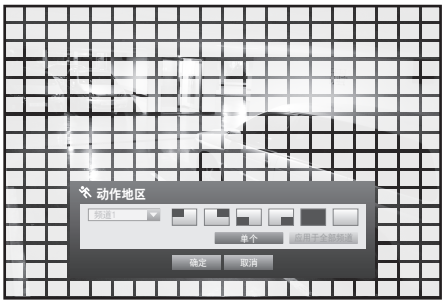
如果在每个频道中检测动作，您可以设置所需的区域执行搜索。
您还可以使用鼠标选择相关的项目。



1. 在 <**搜索**> 菜单中选择 <**动作搜索**>。
2. 使用方向按钮 (▲▼◄ ►) 设置搜索条件，然后按 [ENTER] 按钮。
   - 如果您将动作区域设为 <**手动区域**>，则会激活 <**设置**> 按钮。

- 动作地区：选择要执行搜索的区域。
  - 所有区域：搜索所选频道的所有区域。
  - 当前区域：搜索在“**动作检测** > **设置动作检测区域**”中指定的每个频道的动作区域。（第 56 页）
  - 手动区域：您可以手动设置动作区域。
- 设置：仅当将动作区域设置为“手动”时才会激活“设置”按钮。按下该按钮以显示区域设置窗口。
- 日期/时间：日期/时间将会自动按小时设置，同时结束时间将会自动设为迟于设置的开始时间（如果设置）一小时。
- 预览：选择表中的数据项目以显示项目的静态图像。

3. 选择数据项目并单击 <**播放**>。
   屏幕将切换到动作数据播放模式。



播放

您可以播放硬盘中存储的数据和备份所需的数据部分。

使用鼠标可以帮助简化设置。

1. 在现场模式中，单击鼠标右键后再单击 <**播放**>，
   或单击启动器菜单中的 < ▶ >，
   或按遥控器或前面板上的播放按钮。
2. 使用上/下按钮 (▲▼) 选择菜单。
   - 有关数据搜索的信息，请参阅 <**搜索**>。（第 76 页）



3. 选择数据项目并单击搜索菜单中的 <**播放**>。
   播放所选的数据，且播放启动器会出现在屏幕上。
   - 如果存在现有数据，<**播放**> 会立即开始而不进行搜索。



- 播放信息：在顶上角会显示当前数据的日期和时间。

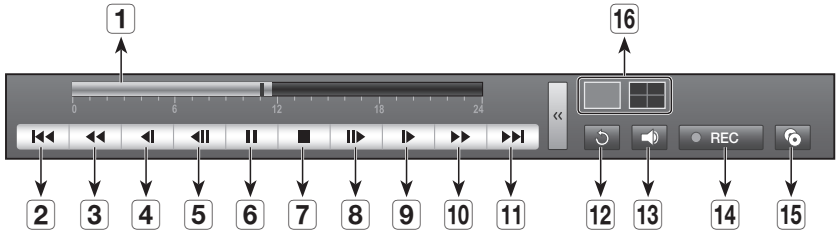
- 备份：单击 < ◉ > 将当前时间设为备份的开始时间；
  您可以使用鼠标（黄色三角形）指定备份区域。
  再次单击 < ◉ > 将当前时间设为备份的结束时间，同时会出现“备份范围”窗口。
  - 类型：支持 DVR，AVI 和 SEC 格式。
    请参阅“**备份设置**”中的格式列表。（第 59 页）
  - 设备：选择备份设备。
  - 检查容量：可让您检查所选存储设备的容量。



4. 如果您想返回到播放模式中的现场屏幕，单击启动器菜单中的 < ■ >，或按遥控器或前面板上的 [■] 按钮。

搜索和播放

使用播放按钮



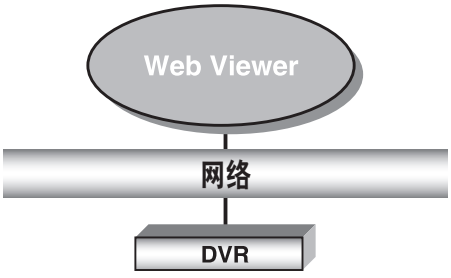
部件名称		功能
1	**播放时间线**	指示当前播放点，并可用于移动。
2	**向后跳过**	向后移动单位时间。(按 10 分钟移动)
3	**向后快速播放**	用于在播放时快速向后搜索。(2 – 64 倍速)
4	**向后慢速播放**	用于在暂停时逐个屏幕向后搜索。(1/2 - 1/8 倍速)
5	**逐帧向后**	向后移动，一次一帧。
6	**暂停**	临时停止播放当前视频。
7	**停止**	停止播放并移至现场屏幕。
8	**逐帧向前**	向前移动，一次一帧。
9	**向前慢速播放**	确保以低速度同时向前播放最多 4 个频道。(1/2 - 1/8 倍速) ▪ 在分屏模式中，可能不支持实时播放，这取决于录制质量、分辨率和频道数。 可能会支持一些帧速率。
10	**向前快速播放**	用于快速正向播放。(2 – 64 倍速)
11	**向前跳过**	向前移动单位时间。(按 10 分钟移动)
12	**返回**	返回到搜索设置屏幕。
13	**音频**	设置音频开/关。
14	**录像**	以现场模式录制所有频道。
15	**部分备份**	开始备份正在播放的视频的选定区段（具有指定的起点/终点）。
16	**模式切换**	单击所需的播放模式，或者按 [MODE] 以按顺序切换屏幕模式。

Web 查看器

WEB 查看器简介

什么是 Web 查看器?

Web 查看器允许远程访问 DVR。您有权访问现场视频、已归档的视频、PTZ 控制（如果已配置）等等。



产品特色

- 从标准浏览器进行远程访问
- 支持 PTZ 摄像机控制
- 支持 1、4 频道（列表中最多 4 个摄像机）。
- 获取 jpeg，bmp 或者 png 格式图像以“打印或保存 jpeg，bmp 或者 png 格式图像”。
- 以 AVI 格式录制视频 — 与流行的媒体播放器兼容。（需要 H.264 编解码器）

系统要求

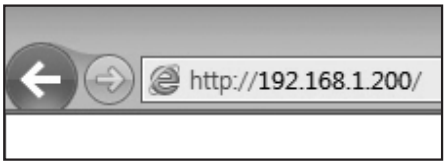
下面列出运行 Web 查看器所需的最低建议硬件和操作系统要求。

操作系统	Windows XP Professional Windows Vista Home Basic / Premium Windows 7 Mac OS 10.6 以及更高版本
Web 浏览器	• Windows 操作系统：Internet Explorer 7.0 或更高版本、Firefox 3.6 或更高版本、Chrome 12 或更高版本 • Mac 操作系统：Safari 5 或更高版本、Firefox 3.6 或更高版本。
CPU	Intel Pentium 4.2 GHz
内存	512 MB
显示器	高彩色 16 位 1024 x 768
HDD	50 MB（所需的安装空间） * 录制需要额外的 HDD 空间。 录制的文件大小可能会根据录制质量设置而有所不同。

Web 查看器

连接 WEB VIEWER (Windows)

1. 打开 Web 浏览器并在 URL 地址框中输入 DVR 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。



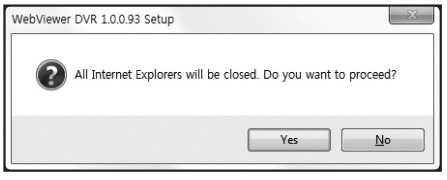
- 初始管理员 ID 是“admin”，密码应在首次登录时设置。
- 如果要将产品与无线路由器配合使用，请设置无线网络的密码。不使用密码保护或使用默认无线路由器密码可能会使视频数据受到潜在威胁。
- 请每隔三个月更改密码以保护个人信息并避免因信息失窃造成损失。请注意，用户应负责安全以及密码管理不善导致的其他问题。

- 允许10个用户同时登录，搜索可以3个用户同时登录。
- 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 DVR 的〈**许可权管理**〉菜单中进行更改。
- 在连接至 Web Viewer 之前，普通用户应已在〈**许可权管理**〉下面将〈**查看器**〉设置为“**使用**”。(第 37 页)
- 所有设置根据 DVR 的设置得以应用。
- 如果在登录到 Web Viewer 的情况下更改许可权设置，则可以返回到登录屏幕。

3. 单击 <**Install ActiveX Control...**>。



4. 显示安装确认消息时，单击 [**Yes**] 按钮。



5. 显示程序安装向导窗口时, 按 [**Install**] 按钮以安装程序。



6. 完成程序安装时，Explorer 窗口将关闭。
再次打开 Web 查看器窗口以登录。
安装好程序之后成功登录时，Live Viewer 的主要屏幕将会出现。



Web 查看器

使用 LIVE VIEWER (Windows)

Live Viewer 屏幕包含下列各项。



菜单		功能
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 DVR 的 IP、型号名称和时间等等。
3	**DVR 时间、PC 时间**	对于 Live Viewer 的 OSD 时间信息显示设置，选择 <**DVR 时间**> 或 <**PC 时间**>。
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	**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。
	声音	将连接到每个频道的声音设置为“打开”/“关闭”。
	OSD	选择可以显示的OSD信息格式。

菜单		功能
7	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。
8	显示窗格	显示连接到 DVR 的摄像机的视频。
9	注销	执行注销过程。
10	ID	显示已连接的用户 ID。

OSD 信息显示

1 显示已连接 DVR 的频道号码。
2 将根据 <**DVR 时间**> 或 <**PC 时间**> 中所选的时间信息显示设置，显示当前日期和时间。
3 此项显示 PTZ 控制是否活动。
4 显示音频打开/关闭状态。
5 当发出警报时，警报图标将会出现。
按 DVR 的 [**报警**] 按钮后，警报图标就会消失。
6 当检测到动作时，将会显示动作图标。
7 当检测到拆离时，将会显示防拆图标。
8 显示录制状态。



- 如果为 DVR 设置了 PTZ 摄像机，“**PTZ**”将显示在屏幕上。
选择 PTZ 摄像机频道并使用 [**PTZ**] 按钮控制摄像机。

已连接的 DVR

此项显示连接的 DVR 的 IP 地址和状态。



- 连接失败消息
无响应：当 DVR 不响应时出现。
访问被拒绝：当超出最大用户数时出现。
- 同时连接数限制为 10 个。

设置 OSD 时间信息的显示

对于 OSD 时间信息显示设置，选择 <**DVR 时间**> 或 <**PC 时间**>。

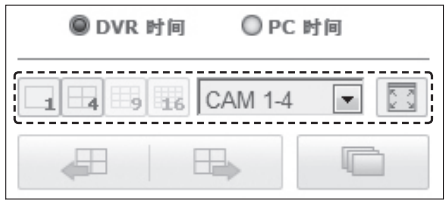
- **DVR 时间**：基于所连接 DVR 的时间。
- **PC 时间**：基于当前使用 Web Viewer 的计算机的时间。



Web 查看器

分割屏幕

可以通过单击每个数字图标来更改分割屏幕模式。





单画面模式



四画面模式

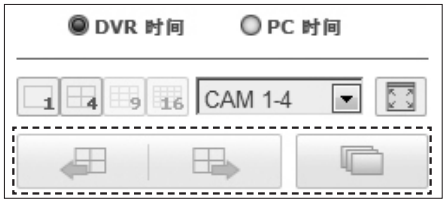
切换至全屏幕模式

单击 < [ ] >。
当前分屏会以全屏幕显示。
按［ESC］键可以退出全屏幕模式。



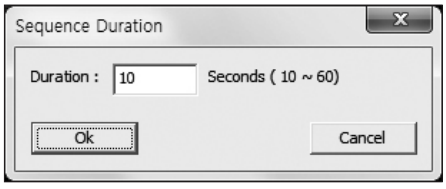
更改现场屏幕模式

■ 4 分屏模式不支持“**顺序**”、“**上一个**”和“**下一个**”。



- : 如果单击此按钮，上一个屏幕将会出现。
  - 在单画面模式中，频道号码以逆向顺序切换。
- : 如果单击此按钮，下一个屏幕将会出现。
  - 在单画面模式中，频道号码从 1 到 4 按顺序切换。

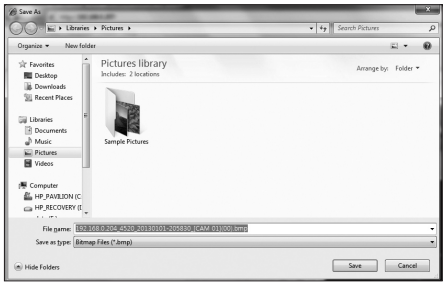
- : 如果单击此按钮，就会以预设的间隔切换屏幕。
  - 在单画面模式中，频道号码从 1 到 4 按顺序切换。
  - ■ 默认设置时间（10 秒）



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。

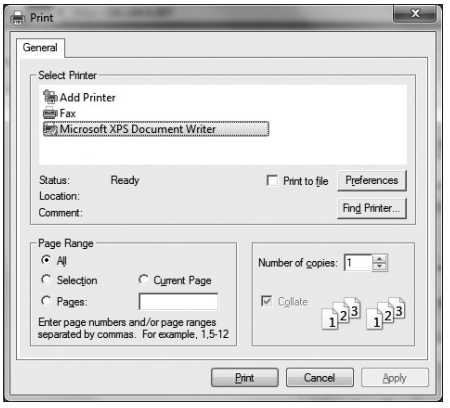
■ 如果在 Windows Vista/7 中运行查看器但不具有管理员的许可权，则您可能无法将捕捉的图像保存为 .bmp、.jpg 或 .png 文件。



Web 查看器

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存为 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 Vista/7 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。

音频

• : 将每个已连接频道的音频设置为 打开/关闭。

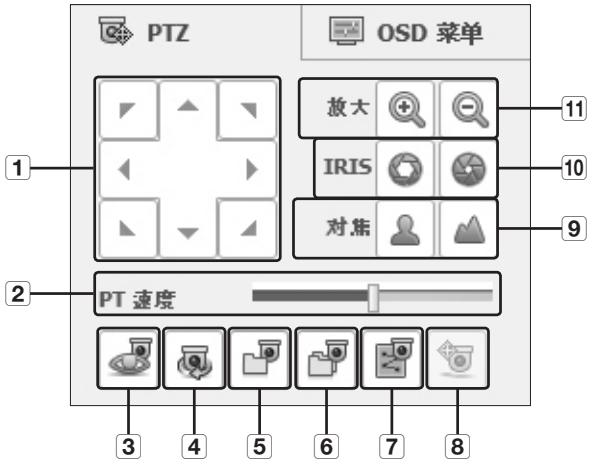
OSD

• : 将在现场屏幕上选择 显示 OSD。

控制连接的PTZ摄像机

控制 PTZ

如果已连接 PTZ 摄像机，<PTZ> 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。

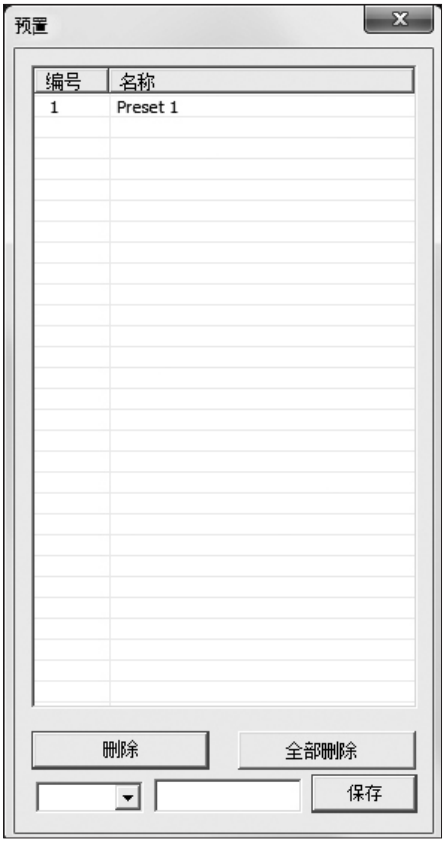


部件名称		功能
1	方向调整	调整摄像机的方向。
2	PT 速度	调整平移和倾斜反应速度。
3	预设	设置摄像机取景框的预设位置并在选择所需预设时移动到指定的预设位置。
4	摆动	在预设起始点和结束点之间移动。
5	分组	通过结合预设、模式和自动平移在指定的路径中移动。
6	巡视	通过结合多个分组在指定的路径中移动。
7	跟踪	在预先定义的路径中移动摄像机的取景框。
8	PowerPTZ	单击或在屏幕上拖动以控制 PTZ。
9	对焦	调整摄像机的焦点。
10	IRIS	通过控制摄像机的光圈来调节图像的亮度。
11	放大	通过控制摄像机的缩放来放大或缩小图像。

Web 查看器

设置预设

1. 单击 < > 按钮以显示“**预置**”窗口。
2. 单击 < > 以选择所需的预设编号。
3. 输入预设的名称。
4. 使用方向键调整摄像机对准的方向。
5. 单击 <**保存**> 按钮。



激活预设

1. 单击 < > 按钮以显示“**预置**”窗口。
2. 从列表中选择要激活的所需预设。
   摄像机的取景框会移至预设位置。

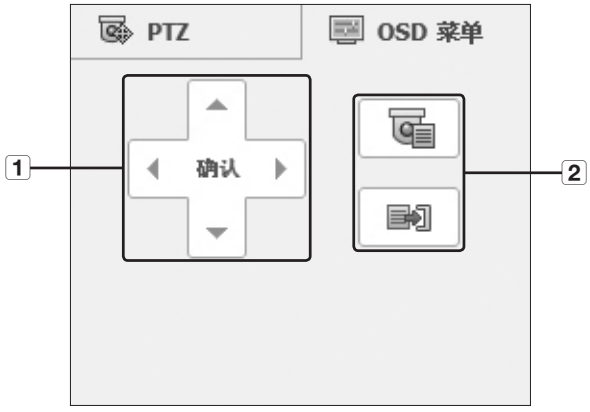
激活摆动、分组、巡视和跟踪

可以如同激活预设那样，以相同的方式激活列出的功能。有关更多信息，请参阅适用摄像机的相应用户手册。

- 根据摄像机，仅支持摄像机的选择性功能。

控制 OSD 菜单

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



部件名称		功能
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	**菜单打开/关闭**	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。

Web 查看器

使用 SEARCH VIEWER

Search Viewer 屏幕包含下列各项：

- 最多 3 个用户可同时访问。



菜单		功能
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 DVR 的 IP、型号名称和时间等等。
3	**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。
4	**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。
	声音	将连接到每个频道的声音设置为“打开”/“关闭”。
	OSD	选择可以显示的OSD信息格式。
5	**日历**	视频录制日期显示为蓝色，当天日期显示为白色。 点击蓝色日期，将在时间轴中显示录制视频的信息。
6	**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。

菜单		功能
7	播放控制	调整当前视频的播放速度和播放时间位置。
8	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。
9	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。
10	注销	执行注销过程。
11	ID	显示已连接的用户 ID。

在日历中搜索录制的视频

含有已录制视频的日期将以蓝色标记。
单击以蓝色标记的日期以在时间线上显示视频信息。单击 < 今天 >，会使它与当前计算机的系统时间（日期）同步。



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，今天显示为白色。
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。

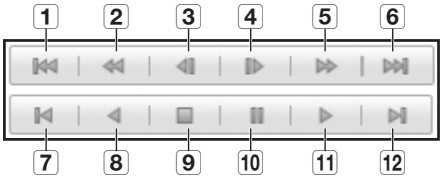
调整时间线

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。

Web 查看器

播放按钮的名称和功能



1. 从当前的播放点向后移动 10 分钟。
2. 以双倍速度反向播放。播放速度将会翻倍，最多提高 64 倍。
3. 从当前的播放点向后移动 1 秒钟。
4. 从当前的播放点向前移动 1 秒钟。
5. 以双倍速度播放。播放速度将会翻倍，最多提高 64 倍。
6. 从当前的播放点向前移动 10 分钟。
7. 在相应的时间线中移至录制起始点。
8. 反向播放。
9. 停止播放。当恢复播放时，会从录制起始点播放。
10. 暂停播放。当恢复播放时，会从停止点播放。
11. 正常播放。
12. 在相应的时间线中移至录制结束点。

查看器设置

您可以通过网络远程配置 DVR 设置。
要配置 DVR 设置，请单击 <**设置**>。

系统

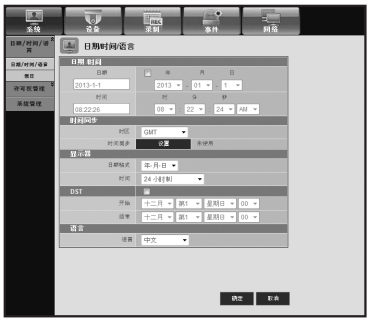
您可以配置 DVR 系统的各种设置。

日期/时间/语言

有关详情，请参阅 <**系统设置**> 菜单中的 <**日期/时间/语言**>。（第 32 页）

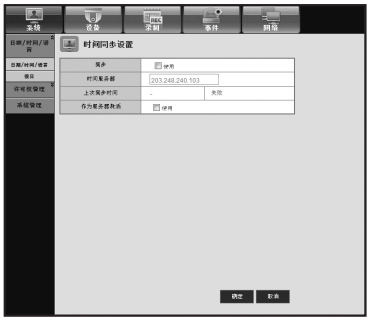
1. 在系统菜单中，选择 <**日期/时间/语言**>。

2. 根据系统环境配置 DVR 设置。



• 日期/时间
设置日期和时间。

• 时间同步设置
设置时间同步。



• 显示器
日期格式：设置日期类型。
时间：选择要显示在屏幕上的日期格式。

• DST（夏令时）
DST 提前时区标准时间一小时显示。

• 语言
选择 DVR 的首选语言。

Web 查看器

假日

您可以根据个人喜好将特定日期设为假日。
有关详细信息，请参阅〈**系统设置**〉菜单中的〈**设置假日**〉。（第 33 页）



许可权管理

有关详细信息，请参阅〈**系统设置**〉菜单中的〈**许可权管理**〉。（第 34 页）

• 管理员

您可以更改管理员 ID 或密码。

- 只能输入含有字母数字的 ID。
- 对于密码，请使用除 <\> 和 <”> 之外的字母和特殊字符。



• 组

将用户分类为组，然后根据组来设置许可权。

- 首先，添加组。



• **用户**

您可以添加、更改或删除一个或多个用户。



• **设置**

您可以设置用户权限。

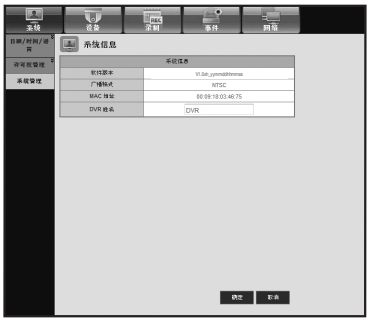


系统管理

有关详细信息，请参阅〈**系统设置**〉菜单中的〈**系统管理**〉。（第 38 页）

• **系统信息**

您可以看到当前系统的信息。
检查软件版本、广播格式和 MAC 地址。



Web 查看器

设备

您可以检查与 DVR 连接的设备列表，并配置必要的设置。
在菜单屏幕上单击〈**设备**〉。
有关详细信息，请参阅 **“设置设备”**。（第 42 页）

摄像机

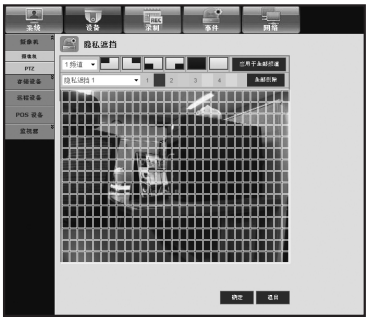
• 摄像机

您可以配置与 DVR 连接的摄像机设置。



• 隐私遮挡

可以指定为了您的隐私而保护摄像机视频的某些区域。



• PTZ

您可以配置与 DVR 连接的 PTZ 摄像机的设置。
设置 ID 和通讯协议。

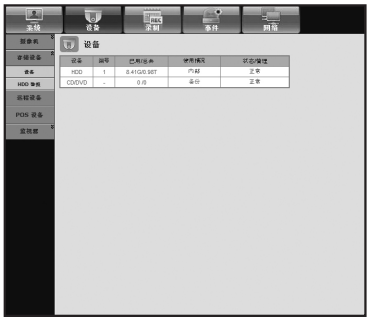


存储设备

您可以检查和更改存储设备的设置。

• 设备

您将会看到与 DVR 连接的存储设备列表。
您可以检查设备的类型、已用/总共、用途及状态。



• HDD警报

您可以设置出错时的警报输出频道和警报持续时间。



远程设备

您可以看到远程设备列表（包括与 DVR 的 RS-485 端口连接的 PTZ 摄像机和系统键盘），并配置必要的设置。



Web 查看器

POS 设备

您可以设置与 DVR 连接的 POS 设备的频道、预设和通讯端口。



■ 用远程不能设定POS.

监视

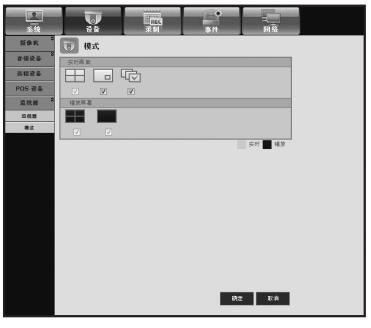
• 监视

您可以配置监视屏幕设置和设置输出系统。



• 模式

您可以在现场模式和播放模式间进行切换。

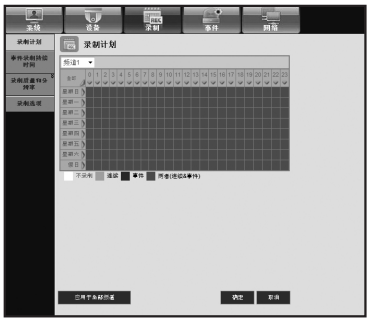


录制

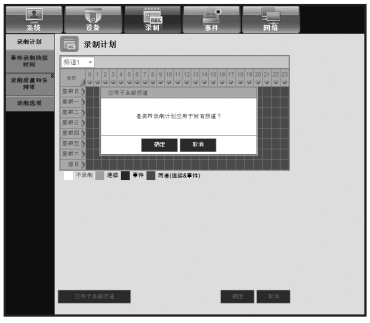
有关详细信息，请参阅〈**设置录制**〉。(第 52 页)

录制计划

如果您针对特定日期和时间制定录制计划，则会在特定时间开始录制。

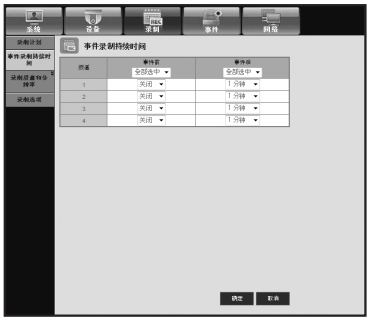


-应用于全部频道：单击〈**应用于全部频道**〉以显示确认窗口。



事件录制持续时间

您可以设置当发生事件时将被激活的录制开始与结束时间。

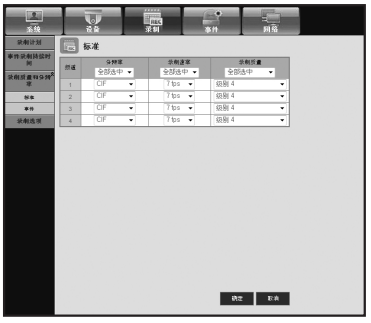


Web 查看器

录制质量和分辨率

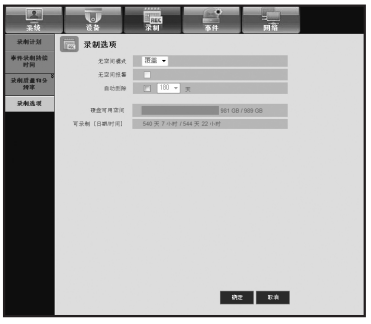
• **标准/事件**

您可以设置分辨率、帧速率和每个频道的录制质量。



录制选项

您可以设置磁盘结束模式。



事件

有关详细信息，请参阅 <**设置事件**>。(第 54 页)

传感器检测

您可以设置传感器操作模式和同步的摄像机以及警报输出类型与持续时间。



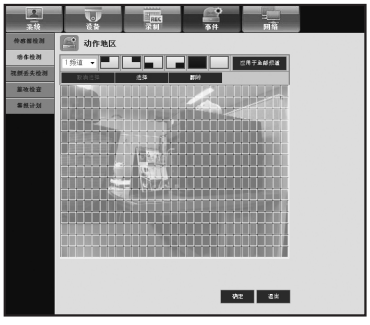
动作检测

您可以设置运作检测和灵敏度以及警报输出类型与持续时间。



- **动作区域**

设置目标动作检测区域。



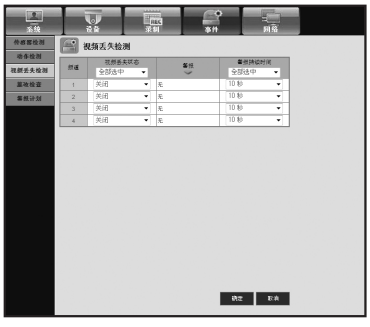
视频丢失检测

您可以设置在发生视频丢失时的警报输出时间。



篡改检查

您可以设置是否针对视频篡改事件生成警报及其停留时间。



Web 查看器

警报计划

您可以根据一周内的每一天和时间来计划警报输出情况。
默认设置是事件同步，它仅在事件发生时激活警报。



网络

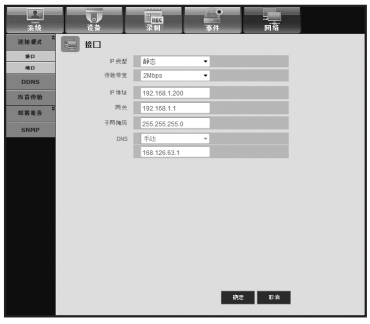
有关详细信息，请参阅 <**网络配置**>。（第 60 页）

连接模式

远程用户可以通过网络访问 DVR 以检查当前模式和 IP 地址。

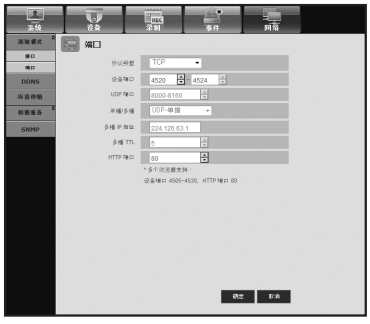
• 接口

您可以设置网络连接路由。



• 端口

您可以配置与端口相关的协议。



DDNS

您可以检查 DDNS 设置。

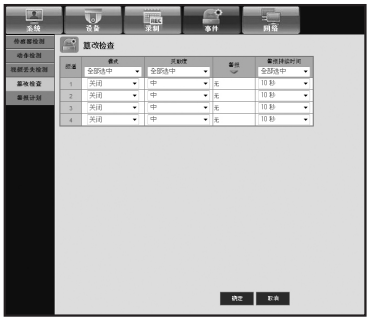


当前传输

设置从 DVR 传输至网络的图像质量。

• 当前传输

远程用户可设置已传输数据的图像分辨率。



邮寄服务

您可以指定在事件发生时发送邮件的 SMTP 服务器， 并设置接收人组与用户。

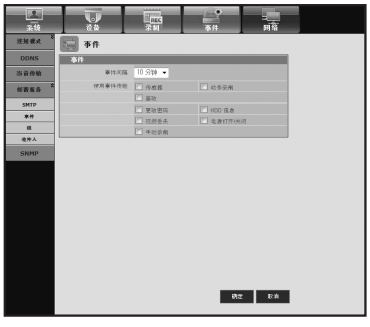
• SMTP

您可以设置发送邮件的服务器并在使用认证过程时指定。



• 事件

您可以设置事件时间间隔，并指定服务器将发送哪类事件的邮件。



Web 查看器

• **组**

您可以在事件发生时添加接收邮件的小组，并为每个小组设置接收事件邮件的许可权。



• **收件人**

您可以添加接收邮件的一个或多个用户。



SNMP

您可以配置 SNMP 协议的设置。



关于

单击 〈**关于**〉。

将显示已连接的 DVR 的型号名称和 Web 查看器的版本。

连接 WEB VIEWER (Mac)

MAC 上的 Safari。

如果要在 Mac 上同时使用 SRD 系列 DVR Web 查看器和 Safari 浏览器，请参阅此用户指南安装 Multi Viewer 并根据需要升级固件。

- 可用 Mac OS 版本： 10.6 或更高版本
- Silverlight：5 或更高版本
- Safari：5 或更高版本

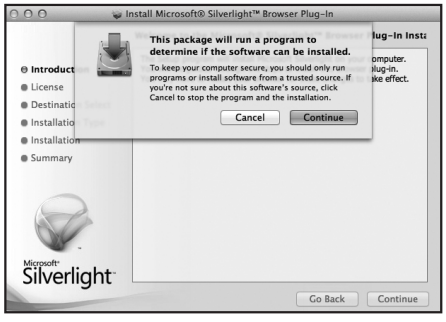
1. 单击 [**Click now to Install**] 显示如下安装屏幕。



2. 双击 [**Silverlight.pkg**] 图标显示如下 Silverlight 插件安装屏幕。



3. 单击 [**Continue**] 开始安装 Silverlight 插件。
完成时，将显示以下屏幕。



4. 单击 [**Close**] 退出 Silverlight 插件安装屏幕。



Web 查看器

- **如果已安装 Microsoft Silverlight 插件，则**

1. 使用 Web 浏览器连接到 DVR。
2. 如果已安装 Silverlight 插件，将显示如下登录屏幕。
3. 如果未显示登录屏幕，检查 DVR 装置是否已正确连接并且 IP 地址有效。



- 如果在配置网络时激活了自动代理并指定了无效的 DNS 服务器，Internet 访问可能不可用。
- 有关使用 Web 查看器的更多详细信息，请参阅 “**连接 Web Viewer (Windows)**”。(第 82 页)

使用实时查看器 (Mac)

实时查看器屏幕包括以下内容：



菜单		功能
1	**名称，地址**	显示已连接 DVR 的 IP 地址和型号名称
2	**菜单选择**	包括 <**实时**> 和 <**关于**> 菜单
3	**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。 ■ 由于 Silverlight 的性能限制，最多支持 9 个频道

菜单		功能
4	**名称，地址**	显示已连接 DVR 的 IP 地址和型号名称
5	**声音**	将连接到每个频道的声音设置为“打开”/“关闭”。
6	**DVR 时间、PC 时间**	对于 Live Viewer 的 OSD 时间信息显示设置，选择 <**DVR 时间**> 或 <**PC 时间**>。
7	**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。
8	**捕获**	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。
	保存	开始和停止录制。 如果无法播放从 Web 录制的文件，请安装 H.264 编解码器。 例如）MAC： perian_1.2.3.dmg (http://perian.org)
9	**频道**	表示已连接 DVR 的频道。
10	**PTZ**	控制连接 PTZ 摄像机。
11	**显示窗格**	显示连接到 DVR 的摄像机的视频。

Web 查看器

MOBILE VIEWER

Mobile Viewer 是什么?

Mobile Viewer 是一款管理软件，可让您远程连接至 DVR（Digital Video Recorder，数码录像机），并实时控制视频播放和 PTZ 操作（如果已配置）。



主要特性

- 通过智能电话远程访问
- 语音识别
- 在 Live Viewer 中支持全屏和 4 分屏模式。
- 支持单频道搜索功能。
- 使用触摸式 LCD 面板切换频道
- 支持 PTZ 摄像机操作（符合所连接 DVR 的协议）
- 最多支持 16 个频道

兼容的智能手机

此应用程序已针对下列软件进行优化：

- iOS v5.1, v6.0, v6.1 (iPhone 4/5, iPad 3/4)
- Android OS v2.3, v4.0, v4.1 (Galaxy S2/S3, Galaxy Note)

▪ 有关详情，请参阅用户手册。
(http://www.samsungcctv.com)

备份查看器

SEC 备份查看器

您可以播放以 SEC 格式备份的文件。
以 SEC 格式备份会产生备份数据文件、库文件和自行执行的查看器文件。
如果您运行备份文件查看器，备份数据文件将会自动播放。



建议的系统要求

低于以下建议规格配置的计算机可能无法正常支持前进/后退功能和高速播放。

- OS：Windows XP professional、Windows Vista、Windows 7
- CPU：Intel i5 2.8GHz 或更快
- RAM：DDR PC-3200 1G 或更大
- VGA：Geforce 6200 或更高

备份查看器

部件名称			功能
1	分屏		设置要显示的屏幕宽高比。
			屏幕会切换为所选分屏模式。 ■ CD/DVD 备份过程中不支持分屏功能。
2	屏幕打印输出		将当前视频的图像保存为图像文件。 支持 jpeg 文件格式。
			打印输出当前屏幕。在打印输出屏幕之前，您应安装适当的打印机驱动程序。
3	音频		切换按钮。每次按下此按钮时，音频输出均会在激活和取消激活之间进行切换。
			您可以按从 0 到 100 的级别调节音量。
4	水印		按该按钮可允许进行文件篡改检测，以检测文件伪造。
5	Deinterlace		可启用去隔行功能。
6	显示 OSD		选中 OSD 复选框以在备份播放屏幕上显示 OSD 信息。 将在屏幕上显示备份日期、星期几、时间、型号名称和频道编号等信息。
7	放大/缩小时间线		折叠显示在存储时间范围栏上的时间范围。您可以折叠范围栏，直到整个范围缩短到 24 小时。
			放大显示在存储时间范围栏上的时间范围。您可以扩大范围栏直到整个范围延长到 1 分钟。
8	还原时间线		将时间线还原为默认值。
9	显示存储时间范围		显示存储的视频文件的时间范围。 您可以移动范围栏的网格线选择播放的时间点。
10	播放控制		您可以调整时间轴，执行视频回放功能。

■ 如果录制速率较高并且在备份查看器中以 16 或更高倍速播放，实际播放速度可能无法达到装置的播放速度。

附录

产品规格

项目		详细信息
视频	输入	4 复合视频 0.5–1 Vpp、75Ω
	分辨率	960x576 / 704x576
现场	帧速率	100fps
	分辨率	928x576 (704x576)
	多屏幕显示	1 / 4 / PIP / 顺序
性能		
操作系统	嵌入式	Linux
录制	压缩	H.264
	录制速率	高达 100fps @ 928x576 高达 100fps @ 704x576 高达 100fps @ 704x288 高达 100fps @ 352x288 ※ WD1 : 960x576 / 4CIF : 704x576 / 2CIF : 704x288 / CIF : 352x288
	模式	手动、时间表（连续/事件）、事件（之前/之后）、跳时 (1~25fps)
	事件	视频丢失、动态（1~10级）、警报、篡改
	覆盖模式	选择（停止/继续）
	事件前	最长 30秒 (关闭、5、10、20、30秒)
	事件后	最长 6 小时。(关闭、5、10、20、30秒、1、3、5、10、20 分钟、1、2、3、4、5、6 小时)
搜索与播放	搜索模式	日期/时间、事件、备份、POS、移动 (※ 所有搜索包括预览功能)
	播放功能	快进 / 快退, 慢进 / 慢退, 步进 / 步退
网络	传输速度	100/200/400fps
	带宽	最高 32Mbps
	带宽控制	自动
	流	H.264 (4CIF/2CIF/CIF 可选)
	最大远程用户数	搜索 (3)/现场单播 (10)/现场多播 (20)
	协议支持	TCP/IP、DHCP、PPPoE、SMTP、NTP、HTTP、DDNS、RTP、RTSP、SNMP
	监控	NET-i Viewer、Smart viewer、Webviewer

附录

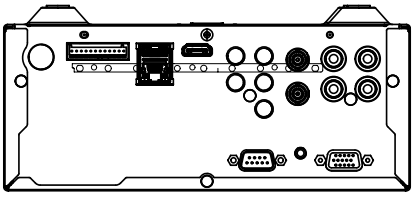
项目		详细信息
智能电话	智能手机	Android、iOS
	协议支持	RTP、RTSP、HTTP、CGI
	最大远程用户数	现场(1)
存储设备	内部硬盘	最多 2 SATA 硬盘
	外部硬盘	-
	DVD 刻录机（备份）	1个
	USB（备份）	2 个 USB 端口
	文件格式（备份）	BU（DVR 播放）、SEC（包括播放器）、AVI
安全	密码保护	1 个管理员、10 组、每组 10 个用户
	数据验证	水印
接口		
监视器	VGA	1 VGA (1280x720, 1280x1024, 1920x1080)
	HDMI	1 HDMI (1280x720, 1280x1024, 1920x1080)
	主复合	-
	现场复合	数字 (2 BNC)、4 (SPOT1) /1/顺序、摄像机标题显示
	环路输出	-
音频	输入/输出	4CH /1 CH
	压缩	G.711
	采样率	8KHz
警报	输入/输出	终端 2 中继输出、第一个中继输出（NO/NC）及第二个中继输出（NO） 额定值：30V DC/2A、250V AC/0.25A
	远程通知	通过电子邮件进行远程通知
连接	以太网	1 RJ45 10/100/1000 Base-T
	串行接口	RS-232/RS-485（半双工）用于 PTZ，Samsung 系统键盘
	USB	2 个 USB 端口（前面 1，背面 1）
	e-SATA	-
	应用程序支持	遥控器
	PTZ 协议支持	Samsung-E / Samsung-T / Pelco-D / Pelco-P / Panasonic / Phillips / AD/ DIAMOND / ERNA/KALATEL / VCL TP / VICON / ELMO / GE

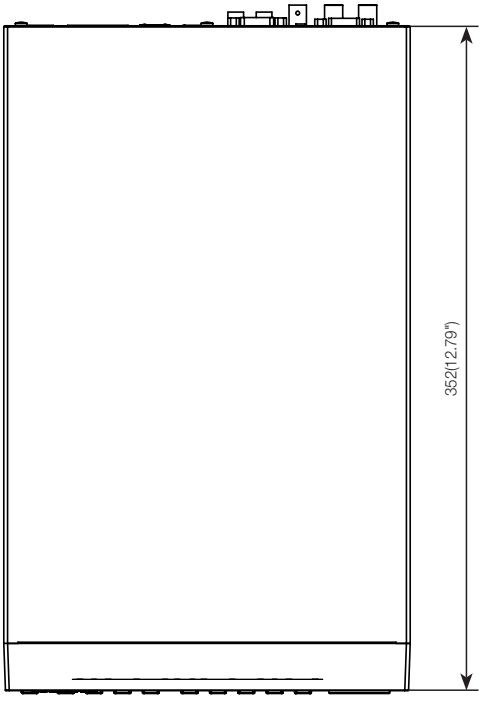
项目		详细信息
常规		
电气	**输入电压/电流**	DC12V 适配器，4A，100~250VAC，50~60Hz，55W
	功耗	最大 20W（带 1 个硬盘）
环境	**工作温度/湿度**	+0°C 至 +40°C (+32°F 至 +104°F)/相对湿度 20%~85%
机械	**尺寸（宽 x 高 x 深）H (不包括支脚)**	宽 215 x 高 88 x 深 352 毫米 (8.46 x 3.46 x 12.79 英寸)
	重量	4.98 kg (10.98 lb)
	机架安装工具套件	-
语言		韩文、日语、中文(简体)、英语、法语、德语, 西班牙语、意大利语、俄语、波兰语、捷克语、土耳其语、荷兰语, 葡萄牙语、瑞典语、丹麦语、泰语、罗马尼亚语、塞尔维亚语、克罗地亚语、匈牙利语、希腊语、中文(繁体)、芬兰、挪威 (25 语言)

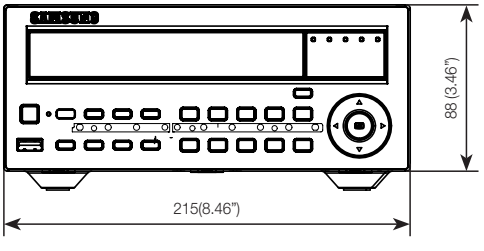
附录

产品视图

单位： 毫米（英寸）







默认设置

这将恢复出厂默认设置。

所进行的设置如下所示：

- 使用菜单中的“系统/装入出厂默认值”。
- 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。

类别	详细信息			出厂默认值
系统设置	日期/时间/语言	日期/时间/语言	日期	YYYY-MM-DD
			时间格式	24 小时
			时区	GMT
			时间同步	关闭
			DST	关闭
			语言	中文
	许可权管理	管理员	ID	admin
		用户	组	所有组
		设置	受限访问	备份/录制锁定/搜索/PTZ/远程警报输出/关闭
			自动注销	关闭
			手动输入 ID	关闭
	系统管理	系统信息	广播格式	PAL
设备	摄像机	摄像机	视频	打开
			音频	关闭
			频道名称	CAM 01 ~ CAM 04
			帧扫描停留时间	5 秒
		PTZ	ID	0~3
			协议	无
		屏幕设置	亮度	50
			对比度	50
			颜色	50
	存储设备	硬盘警报	检查警报输出端口	关闭
			警报持续时间	关闭
			替换警报输出端口	关闭
			持续时间	关闭

附录

类别	详细信息			出厂默认值
设备	远程设备	波特率		9600
		奇偶校验		无
		数据		8
		停止位		1
		系统键盘		关闭
		遥控器		打开(00)
	POS 设备			关闭
	监视器	监视器	事件显示	关闭
			显示器	全部
			VGA/HDMI	1280*1024
		现场输出	多个现场	关闭
			现场输出 1	切换
			现场输出 2	切换
			事件显示时间	关闭
		模式	现场模式	全部
			播放模式	全部
录制	录制时间表	频道1 ~ 频道4		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
	录制质量和分辨率	标准录制	分辨率	CIF
			帧速率	5 fps
			录制质量	级别 4
		事件	分辨率	4CIF
			帧速率	5 fps
			录制质量	级别 4
	录制选项	磁盘结束模式	设置	覆盖
		自动删除		关闭
事件	传感器检测	传感器操作		关闭
		摄像机		摄像机编号
		警报		无
		警报持续时间		10 秒

类别	详细信息			出厂默认值
事件	动作检测	模式		关闭
		灵敏度		级别 10 (高)
		警报		无
		警报持续时间		10 秒
		动作地区		所有区域
	视频丢失检测	视频丢失状态		关闭
		警报		无
		警报持续时间		10 秒
	篡改检查	模式		关闭
		灵敏度		中
		警报		无
		警报持续时间		10 秒
	警报计划	警报 1		事件同步
网络	连接模式	接口	IP 类型	静态
			传输带宽	2Mbps
			IP 地址	192.168.1.200
			网关	192.168.1.1
			子网掩码	255.255.255.0
			DNS	168.126.63.1
		端口	协议类型	TCP
			设备端口	4520~4524
			HTTP 端口	80
	DDNS	DDNS 站点		关闭
	当前传输	分辨率		CIF
		质量		低
	邮寄服务	SMTP	服务器	关闭
			端口	25
			使用身份验证	关闭
			安全传输	从不
		事件	事件间隔	10 分钟
			使用事件传输	关闭
		组	组	关闭
			接收人许可权	关闭
	SNMP		启用 SNMP v1	关闭
			启用 SNMP v2c	关闭

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，必要时要更换新电源。
一些频道即使接收到了视频源也只显示黑色屏幕。	• 检查与系统连接的摄像机显示图像是否正常。有时，出现此问题可能是因为摄像机没有正确地与视频源连接。 • 检查摄像机是否与电源正确连接。 • 有时，出现此问题可能是因为在频道上从连接至多个系统的视频分配器获得的视频信号过弱。在此情况下，直接将摄像机的视频源输入 DVR 中。这样可能会找到原因并解决问题。
如果我按下前面板上的［**REC**］按钮，REC 指示器不闪烁，而且播放器也没有开始录制。	• 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**”。
屏幕重复显示徽标图像。	• 此情况可能因主板问题引起，或是相关的软件被破坏。 请联系就近的服务中心以获取更多信息。
频道按钮在现场屏幕上无法使用。	• 如果当前屏幕处于事件监视模式，频道按钮就无法使用。 在事件监控屏幕中，按 [**ALARM**] 按钮退出屏幕，然后选择频道。
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否标注了 V 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。
当听到警报声时，我按下前面板上的［**ALARM**］按钮解除警报，但不起作用。警报声仍存在， 而且我无法以任何方式将其设为关闭。	• 按前面板上的 [**MENU**] 按钮，按以下方式解除警报： 1) 解除事件监视模式：监视模式 - 将事件监视的持续时间设为“关闭”。 2) 解除警报声音：事件录制模式 - 警报（动作检测/视频丢失/篡改检查） - 取消激活警报声音。 3) 解除事件：事件录制模式 - 警报（动作检测/视频丢失/篡改检查） - 将该模式设为“关闭”。
即使我按下现场屏幕上的［**PTZ**］按钮也无任何反应。	• 菜单 → 摄像机 → 检查 PTZ 设备中的当前协议和其他设置是否根据 PTZ 摄像机进行了正确配置。

症状	对策
当我将多个外部硬盘连接到 DVR 上时，发现 DVR 不能识别安装的那么多磁盘。	• DVR 需要时间来识别多个外部硬盘。请稍后重试，如果问题（无法识别所连接的那么多硬盘）仍然存在，可能是因为安装硬盘的机器错误。使用不同的硬盘重试。
“需要重设日期/时间。”的消息 会出现在屏幕上。	• 当内部时钟的时间设置出现问题或时钟本身出错时会显示该消息。请联系零售商或服务中心以获取更多信息。
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。
我已在 DVR 上安装了其他硬盘，但是它无法识别硬盘。	• 请查看兼容性列表以检查 DVR 是否支持其他硬盘。有关兼容性列表，请联系您购买 DVR 的零售商。
我已将外部存储设备（外部 SATA HDD）连接至 DVR，但是 DVR 好像无法识别。	• 请查看外部存储设备的兼容性列表以检查连接的设备是否受 DVR 支持。有关兼容性列表，请联系您购买 DVR 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。
如果使用默认搜索、备份和路由器设置，我发现很难配置网络设置。	• 有关详情，请参阅用户手册。 • 如果您使用路由器来进行网络连接，请参阅本手册中的“**使用路由器连接至互联网**”一节。
我忘记了密码。	• 请与 DVR 安装人员联系，或致电给我们。
PC 或 DVR 无法播放备份数据。	• 备份数据时，您可以选择以下播放器：PC 或 DVR。请先选择再继续。 • 如果要使用 PC 来播放数据，则备份文件的格式应为 SEC。 • 如果要使用 DVR 来播放数据，应由 DVR 编制备份文件的格式。
在播放时，我的播放器不能切换到现场模式。	• 按 DVR 或遥控器上的停止 [■] 按钮，或者单击启动器上的 [■] 图标以切换到现场模式。

附录

症状	对策
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) 手动录制：按 DVR 前面板上或遥控器上的［**录像**］按钮以开始录制。 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：当发生警报、动态检测、视频丢失和篡改检测事件时，将进行记录。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。(WD1>4CIF>2CIF>CIF) 采用 CIF 格式的录制图像显示降低的质量，因为它是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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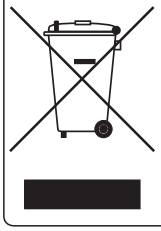
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