

SAMSUNG TECHWIN

4 频道 HD-SDI DVR

用户手册

SRD-480D



4 频道 HD-SDI DVR 用户手册

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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。



概述

开始之前

此用户手册提供使用 DVR 的信息，如简介、部件名称、功能、与其他设备的连接、菜单设置等。请谨记以下注意事项：

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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。
- 在打开机壳之前，请先咨询合格的技术人员。每当有此需要时，都必须切断设备的电源。
- 在安装其他硬盘或将外部存储设备（USB 存储器或 eSATA 硬盘）连接到本 DVR 之前，请检查兼容性。请咨询您的提供商以获取兼容性列表。

警告

❖ 电池

更换设备中的电池时，更换电池必须是同类型的，否则会有爆炸的可能。

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
- 工作温度：-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。请按照说明处理用过的电池。

❖ 系统关闭

如果在产品操作时关闭电源，或者执行不正确的操作，都会导致硬盘和产品损坏或功能异常。

为安全起见，请按 DVR 前面板上的“电源”按钮以关闭系统。然后，拔掉电源线。

您可能需要安装用于安全操作的 UPS 系统，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。）

❖ 工作温度

本产品的允许工作温度范围是 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。

使用在低温下长时间存储的设备之前，将产品放置在室温中一段时间。

必须特别注意产品中的内置硬盘，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

此设备为室内使用，所有通信线仅限于大厦内部。

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主要特性

此 DVR 是一款数码录像机，允许您将 4 频道的高清晰度 (HD) 数字视频保存到内部硬盘以用于所需目的。

您可以使用鼠标或前面板按钮来配置您的设置并作所需的说明。

此型号为单机数字视频录像机，具有卓越的高性能和久经考验的稳定性，可用于银行、公寓和公共办公室的安全保障。它可以使用硬盘将高质量视频保存为数字文件格式，方便材料搜索。另外，这是一项数字改进，具有高质量视频播放功能、大容量存储器和用户友好界面，支持录制 / 播放 / 复制、动态侦测、PTZ（平移、倾斜、缩放）操作、密码锁定、实时语音录制、最大 10,000 个事件列表和日志文件等任何功能应有的操作。

监视屏幕

它可以从每个频道实现高质量视频，并提供多角度监视场景。

- 高质量 HD-SDI 现场视频
- 多角度监视屏幕模式
单画面，4 分屏
- 自动顺序
- 支持的各种监视器输出信号（输出分辨率：1920x1080）
HDMI x1, VGA x1
- 平移 / 倾斜、数字缩放

语音录制

实时语音输入和录制

- 同时录制 4 频道实时声音信号
输入：4（背面 RCA x4），输出：x1（背面）
- 允许在播放时录制

录制

可按最高 120 帧 / 秒保存高质量 HD-SDI 视频，并可录制事件发生之前最长 15 秒的事件场景。具有“隐藏”功能，它可以保护您的隐私。

- 高质量 HD-SDI 视频录制
- 对于 1080p，通过 7 级质量设置控制存储空间
对于 720p，通过 5 级质量设置存储空间。
- 手动事件和计划事件的多种录制
- 录制 / 播放 / 复制 / 网络 4 项同时操作
- 调整每个频道的录制分辨率并指定动态侦测区域
- 对于 720p，录制多达 30 帧
对于 1080p，录制多达 15 帧
- 视频丢失检测
- 记录事件列表（传感器、视频丢失、动态侦测、文本）
- 每个频道长达 15 秒的事件前录制

概述

搜索 / 播放

提供各种功能以方便搜索和播放。

- 按时间、日期或频道播放
- 使用鼠标的用户友好搜索界面
- 冻结视频的向前 / 向后导航
- 按事件列表（传感器、视频丢失、动态侦测、文本）播放
- 使用遥控器进行简易搜索
- 全帧播放

存储媒体

产品配备有内部硬盘。您还可根据偏好将数据存储到 DVD-R、CD-R 或 USB 存储器。

- 默认提供：内部硬盘
- 各种复制媒体：DVD-R、CD-R、USB 存储器
- 硬盘扩展（外部存储设备）：SVS-5R（作为专用设备单独出售）

网络

本产品支持各种网络环境，包括可以使用 PC 查看器在远程站点操作和管理产品的 LAN 和 xDSL。

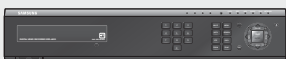
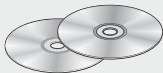
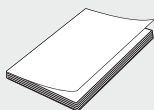
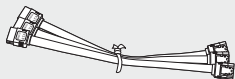
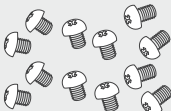
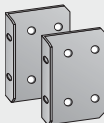
- 发生事件时使用 TCP/IP 和 DHCP 进行电子邮件传输。
- 从远程站点播放现场视频（可选择全屏或 4 分屏模式）
- 通过网络查看器在 PC 上播放、保存或搜索以及控制 DVR
- 按时间录制，从远程站点搜索和播放
- 支持 10/100Mbps 以太网 /xDSL
- 连接到多个 DVR

其他

- 与鼠标关联的用户友好界面配置
- 使用 USB 存储器进行简易软件升级
- 使用 USB 端口复制录制视频
- PTZ 控制（高速圆顶）和预设
- 多语言支持（22 种语言）
- 使用单个遥控器控制最多 16 个 DVR

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。
检查产品包装内是否包括主装置和下列所有附件。

			
DVR	遥控器	电源线	
			
网络查看器软件 用户手册 CD	用户手册	SATA 电缆 < 主设备内部使用 >	遥控器电池 (AAAx2)
			
硬盘螺钉	支架螺钉	机架安装支架	鼠标

概述

部件名称与功能（前面）

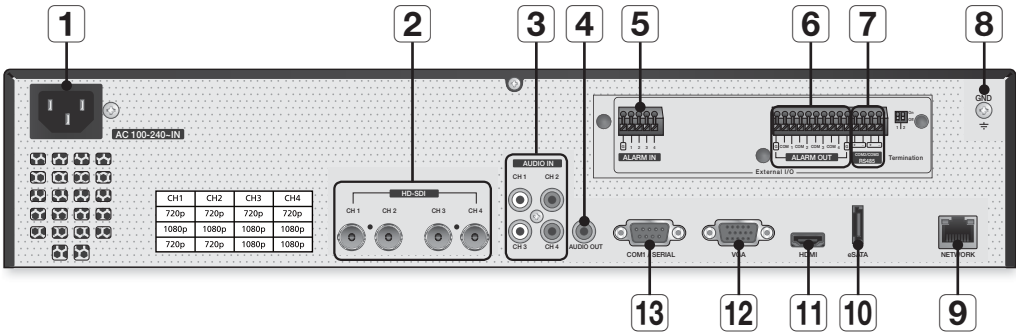


部件名称		功能
1	复制 DVD 多功能驱动器	用于复制 DVD/CD 介质中的录制数据。
2	频道指示灯	显示视频输入状态和事件操作状态。
3	远程接收系统	接收来自遥控器的信号。
4	状态指示灯	显示 DVR 操作和网络连接状态。
5	电源	打开或关闭系统电源。
6	</REW	用于在菜单中导航或选择，或在播放模式中更改向后播放速度。
	>/FWD	用于在菜单中导航或选择，或在播放模式中更改向前播放速度。
	∧/PAUSE	用于在菜单中导航或选择，或者暂停播放现场视频。
	∨/STOP	在播放模式中停止播放。
	PLAY/ENTER	访问播放模式或选择菜单项。

部件名称		功能
7	ESC	用于退出菜单或关闭弹出窗口。
8	REC	开始或停止手动录制。
9	MULTI	将分屏模式切换到现场或播放模式。
	菜单	访问主菜单。
	AUTO	激活或取消激活用户序列。
	SEARCH	访问搜索模式。
	PTZ	开始或结束 PTZ 操作。
	COPY	访问复制模式。
	ZOOM	从单一屏幕模式进入数字缩放模式。
	FUNC	访问功能模式。
10	频道	在现场视频或播放屏幕中选择频道。
11	USB1, USB2	外部设备（鼠标、USB 存储器）的通信端口

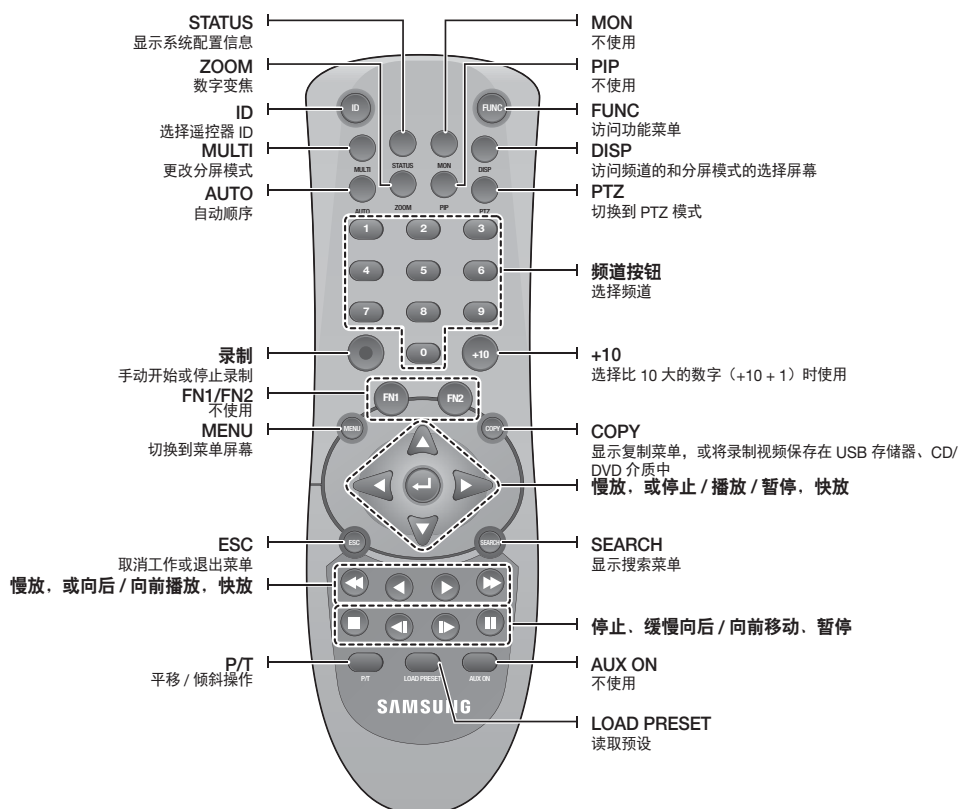
概述

部件名称与功能（背面）



部件名称		功能
1	电源输入	AC 100~240V 之间电源的插座。
2	CH1~4	HD-SDI 源的 BNC 输入端口。
3	AUDIO IN (RCA)	音频输入的 RCA 端口。
4	AUDIO OUT	扬声器输出端口。
5	ALARM IN	警报输入端子。
6	ALARM OUT	警报输出端子。
7	RS-485	外部 RS-485 设备（如 PTZ 摄像机或远程键盘）的扩展端口。
8	GND	DVR 装置和外部设备的接地端口。
9	NETWORK	网络连接端口。(RJ-45)
10	eSATA	eSATA 外部硬盘的连接端口。
11	HDMI	监视器输出信号的 HDMI 端口。
12	VGA OUT	VGA 监视器的连接端口。
13	RS-232C	POS 设备的连接端口。

遥控器



使用数字按钮

频道 1-9	按 1 到 9 之间的每个按钮。
频道 10	先按 [+10] 按钮, 然后在 3 秒内再次按 [0] 按钮。
频道 11-16	先按 [+10] 按钮, 然后在 3 秒内再次按 [1] 到 [6] 之间的任何数字。

更改遥控器 ID

1. 检查为 DVR 指定的遥控器 ID。
遥控器的出厂默认 ID 是 00。
2. 按遥控器上的 [ID], 然后输入遥控器 ID 编号。
3. 如果遥控器 ID 与 遥控器 ID 匹配, DVR 的蜂鸣器将发出声音。



- 如果将遥控器 ID 更改为 08 : 按住系统 [ID] 按钮并按下数字 [8]。
如果将遥控器 ID 更改为 12 : 按住系统 [ID] 按钮并依次按下数字 [+10] 和 [2]。
仅当遥控器 ID 与 DVR 遥控设备的 ID 匹配时, 遥控器才会处于活动状态。有关详情, 请参阅“通信 > 远程”。
(第 46 页)

安装

使用本产品之前请注意以下事项。

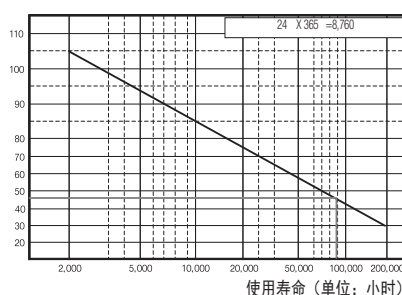
- 切勿在室外使用本产品。
- 切勿使水或液体溅湿产品的连接部件。
- 切勿使系统处于震动或摇晃激烈的环境。
- 切勿强行拔出电源线。
- 切勿自行拆解本产品。
- 切勿超出额定的输入 / 输出范围。
- 仅使用通过认证的电源线。
- 对于输入接地的产品，使用接地的电源插头。

检查安装环境

Samsung 数字录像机（下面简称“DVR”）是先进的安全设备，内含大容量存储硬盘和重要电路。

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。

温度
单位：°C



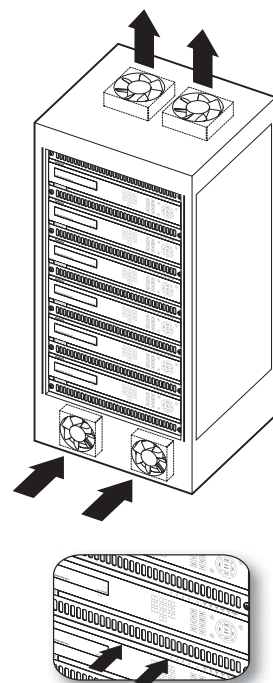
[图 1]

下面是将 Samsung DVR 安装在机架中时的一些建议。

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. 如果要如图中所示那样叠放 DVR 或其他设备，请提供合适的空间或安装通风口以保证空气循环。
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。

机架安装说明 - 安装说明中包含以下或类似机架安装说明。

- A) 工作环境温度偏高 - 如果在封闭的或多个设备的机架装配中安装，则机架环境的工作环境温度可能高于室温。因此，应注意在与制造商指定的最高周边环境温度 (Tma) 相符的环境中安装设备。
- B) 空气流动偏少 - 在机架中安装设备时，设备安全操作所需的空气流动不应受到妨碍。
- C) 机械加载 - 在机架中安装设备时，不能出现由于机械负荷不平衡而导致的危险情况。
- D) 电路过载 - 应注意设备电源电路的连接以及电路过载对过压保护和电源线可能造成的影响。处理此问题时应当注意设备铭牌标示的额定值。
- E) 可靠接地 - 机架安装的设备应保持可靠的接地。比起分支电路的直接连接（例如，使用配电盘），更应注意电源连接。



[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 4 个螺钉）。

- 紧固螺钉，这样即使摇晃也不会松动。

添加硬盘

您可以安装其他硬盘。

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：最多安装 4 个硬盘
- 在进行安装之前，确保从墙上插座上拔下电源线插头。



■ 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 DVR 产品的兼容性。

硬盘会因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，请尽量频繁复制数据。

在拆卸或安装 DVR 期间，可能会由于受到外部冲击力而丢失数据。

如果 DVR 在操作期间突然断电或关闭电源，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。

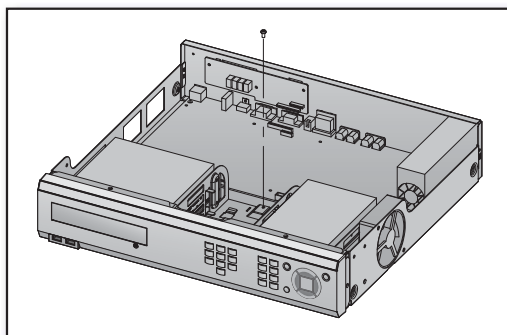
硬盘安装说明

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工作。
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。
4. 曾用于其他设备（计算机或 DVR）的硬盘应该删除所有分区才能在当前设备上使用。

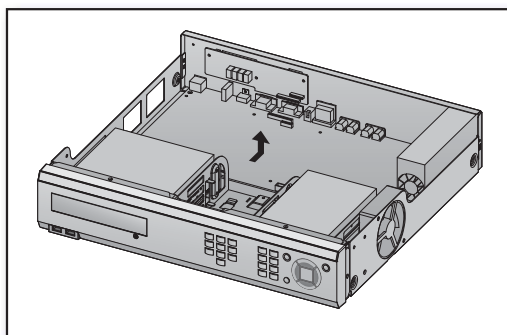
安装

安装硬盘

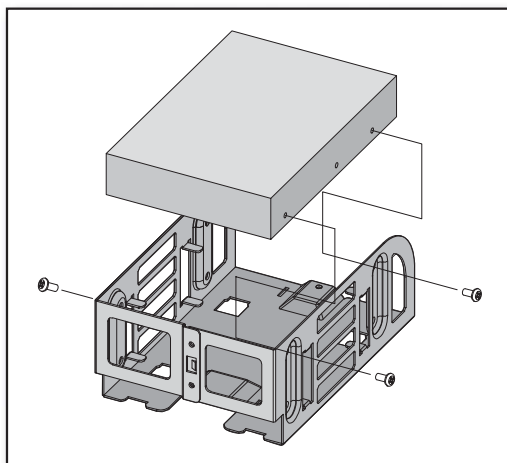
1. 拧松主设备上的支架螺钉。



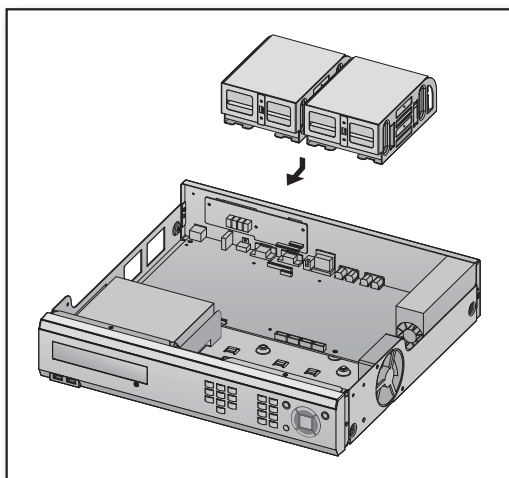
2. 稍微向后拉出主设备以取出支架。



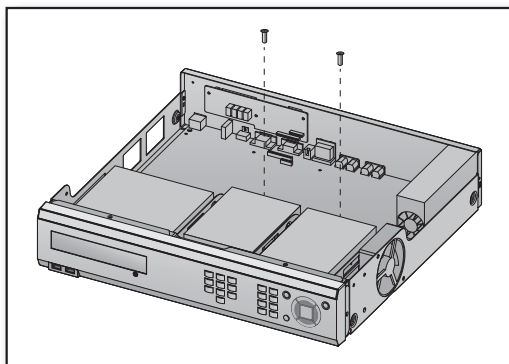
3. 插入并安装硬盘支架，然后拧紧左右硬盘螺钉。



4. 在硬盘固定到主设备中的位置插入支架。



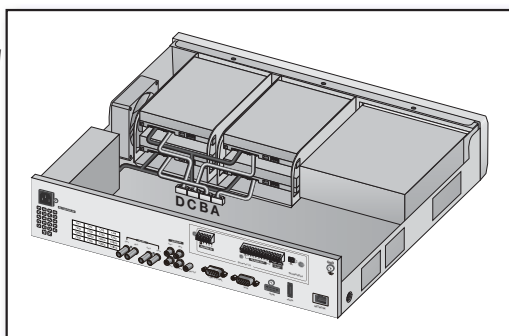
5. 拧紧支架螺钉将安装了硬盘的支架固定到主设备中。



6. 连接 SATA 电缆和电源线。
硬盘位置的右下方为 IntA；左下方为 IntB；右上方为 IntC；左上方为 IntD。

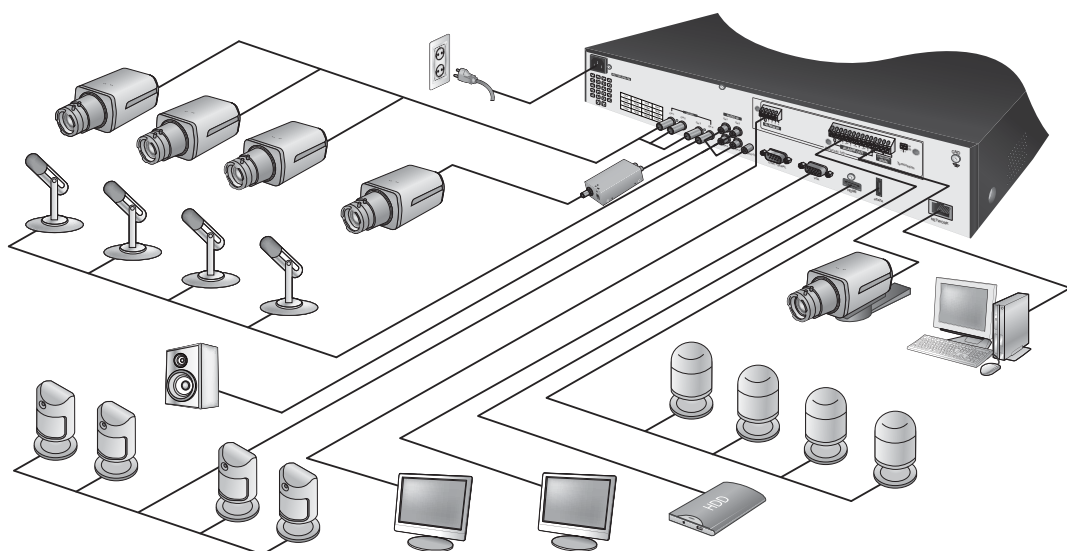


- 默认情况下，内部已连接 SATA 电缆。



连接其他设备

外部设备的接线图



连接摄像机、监视器和音频

连接至监视器

监视器的分辨率可能会影响视频输出。请先检查监视器支持的分辨率，然后再连接至监视器。

- 使用 HDMI 端口：1920x1080p（HDMI V1.2 标准）
- 使用 VGA 端口：1920x1080p RB（VESA 标准）



- 请注意，不能同时将 HDMI 监视器和 VGA 监视器用于视频输出。
- 但是，一些 Samsung 或 LG 制造的监视器如果任一款支持 1080p 和 1920x1080p RB，则可同时用于视频输出。

电源连接

- 当 DVR 连接到电源时，它将通电并自动开始启动。
- 打开 DVR 后，按住“电源”按钮 3 秒钟以显示对话框。单击 <是> 关闭电源。
- 如果要再次打开，按“电源”按钮即可。

连接摄像机

使用同轴电缆连接 DVR 和 HD-SDI 摄像机，如图所示。

- 75 Ω 终端电阻自动设置
75 Ω 终端电阻为默认设置。如果电阻连接到视频输入端口下的视频输出端口，它将被断开连接并切换到 Hi-z 条件。
- DVR 启动后将自动识别输入的视频类型。
从摄像机 1 开始，DVR 将识别所有可用频道的摄像机。优先级将根据先搜索到的摄像机的信号类型来确定。



- 如果频道以相同的分辨率发送摄像机视频，则可用的频道数目没有限制。但是，如果同时接收到 1080p 和 720p 的不同视频，则频道 1、2 应接收 720p 的视频，频道 3、4 应接收 1080p 的视频。否则，视频将无法显示。

建议的缆线

- 5C-FB(T), 5C-HFB(T), L-5CFB
- L-4.5CHD, L-6CHD : HD-SDI 专用缆线
- Belden : 543945 RG59U, RG-59/U 1505A, RG-6/U 1694A



- 线缆的传输距离可能会因 750MHz 采样率而异。(建议衰减率 dB/100m < 25dB。)
- 建议您使用泡沫或高密度泡沫绝缘。
- 建议使用双层或三层屏蔽缆线。
- 如需建议的缆线规格，请参阅 KSC-3617、国内标准 (5C-FBT) 和 RG-6/U。
- 建议使用 31.3 Ω /km 或以下的 DC LOOP 电阻。
- 延长同轴电缆并连接连接器时，请确保使用 75 Ω 阻抗的元件。
- 工作时请注意电缆，以避免电缆因受压而变形。
- 接线时，不要过度用力拉。
- 在机架后面接 I/O 电缆时，请小心，不要将线绑得太紧。否则，在绑好之后，电缆可能会因为绞得太紧而导致内部 / 外部绝缘层变形。绑结时应预留相当于电缆厚度的空隙。请务必小心，折弯不要超出其曲率半径范围。
- HD-SDI 的最长传输距离可能会受电缆制造商及其安装条件影响。

连接至外部存储设备

USB 端口用于使用 USB 存储设备进行简单复制（数据大小小于 1 小时）。如果想要使用 USB 设备，USB 设备规格应不超过以下规格。

eSATA 端口

DVR 将 eSATA 作为外部存储设备的接口引入，在后面板提供 eSATA 端口。
通过利用内部硬盘和 eSATA 端口，您可以安装多达 12TB 存储设备。



- eSATA 端口仅支持 Samsung Techwin 制造的外接硬盘 (SVS-5R)。

连接其他设备

连接至 eSATA 设备

如果使用 SVS-5R 外接硬盘，您可使用 DVR 的一个背面端口。但是，DVR 不提供独立的电源，因此您应使用外部电源对硬盘进行操作。

- 
- DVR 通常在操作期间能识别附加外接硬盘，但根据型号可能出现识别故障。遵循以下步骤进行连接。

 1. 关闭电源。
 2. 将 eSATA 接口电缆连接到外部存储设备。
 3. 打开外部存储设备。
 4. 打开 DVR。

硬盘兼容性

有关兼容硬盘的信息，请与零售商联系。

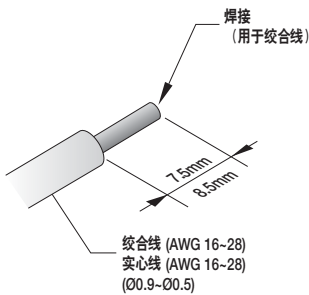
注册并格式化硬盘

完成硬盘安装后，打开 DVR 以开始启动。< 硬盘管理 > 将在监视器屏幕上自动启动。（第 50 页）
如果 < 硬盘管理 > 不启动，请检查您是否正确建立了连接。

使用 I/O 端口

如何处理有线电视

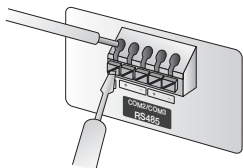
用于接线端子的线缆应按以下方式处理。请注意实心线的厚度与绞合线的厚度不一样。同时使用实心线和绞合线时请小心。



- 绞合线：按指定剥下涂层（7.5~8.5 毫米），然后焊接核心线。绞合线在 AWG 16 和 28 之间。
- 实心线：按指定剥下涂层（7.5~8.5 毫米）。实心线在 AWG 16 和 28 之间。

插入/移除线缆

如果想要在接线端子中插入或从接线端子中移除线缆，请按显示向里推控制杆。



警报连接和设置

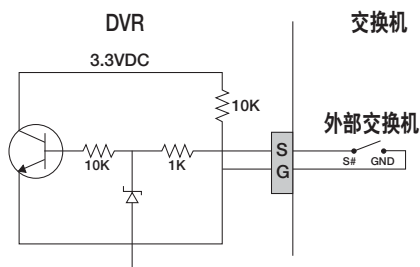
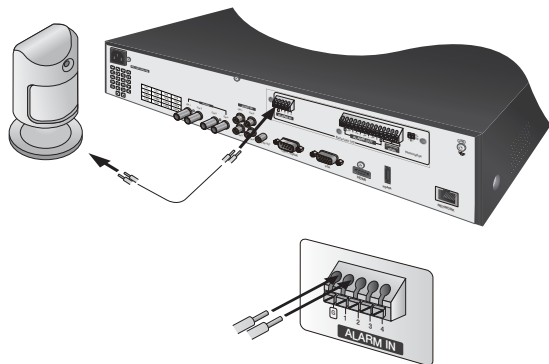
规格

警报输入信号应符合以下规格及操作条件。

规格	输入电路数量	4 个晶体管输入
	输入类型	N.C, N.O
	可用警报	干触点警报
	连接系统	连接到剥掉涂层的接线端子
电气性能	输入脉冲的有效宽度	最小 200 毫秒
	输出电流	典型 DC 12mA

如果使用警报输入端口

请参见下图连接警报输入 [ALARM IN 1~4]。下图提供连接采用干触点的警报的示例。有关插入或移除电线的说明，请参阅“[如何处理线缆](#)”。(第 20 页)



连接其他设备

继电器连接和设置

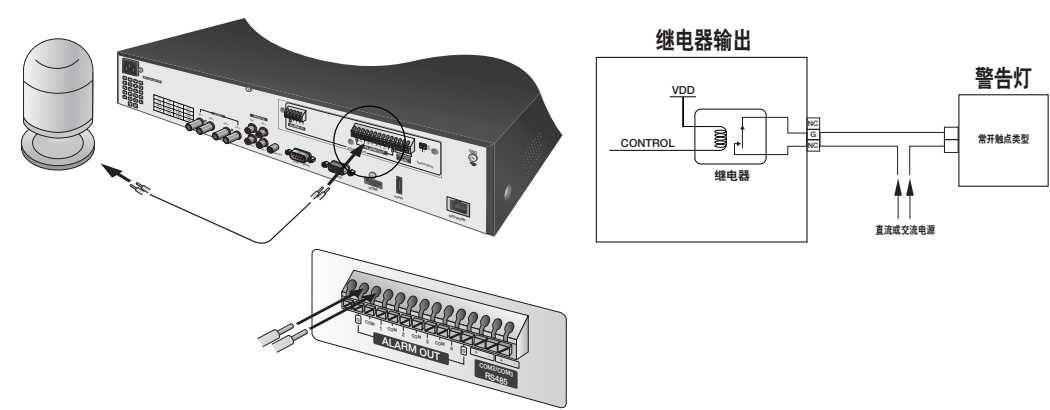
规格

警报输出信号应符合以下规格及操作条件。

规格	输出电路数量	4 个继电器输出
	输出类型	干触点
	连接系统	连接到剥掉涂层的接线端子
额定功率	DC	30V 1A
	AC	125V 0.5A

继电器连接

有关 R1 ~ R4 之间的输出，请参阅下图。这是连接警告灯的示例。
有关插入或移除电线的说明，请参阅“**如何处理线缆**”。（第 20 页）



串行通信端口的连接和设置

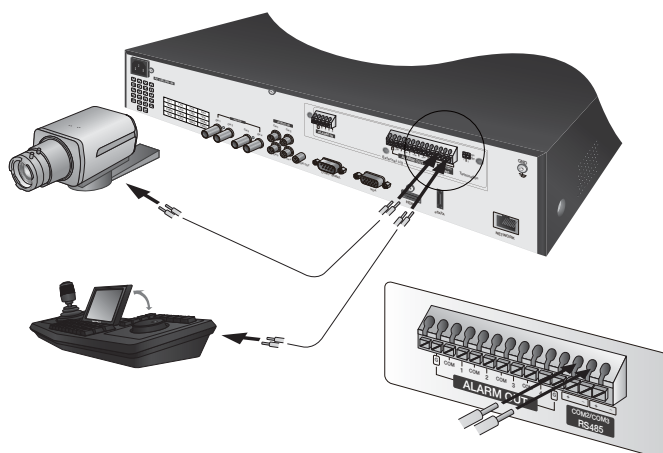
连接用于平移/倾斜/缩放的串行通信端口

如果 PTZ 设备与 DVR 兼容，则可以通过 COM 端口控制 PTZ 设备。

有关兼容性，请参阅“兼容的 PTZ 设备和键盘”。(第 24 页)

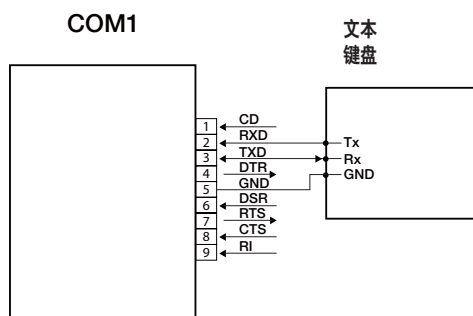
下图提供将具有 PTZ 功能的摄像机连接到 RS-485 (COM2/COM3) 通信端口的示例。
有关其他串行端口，请参阅下图和接线图。

有关插入或移除电线的说明，请参阅“如何处理线缆”。(第 20 页)

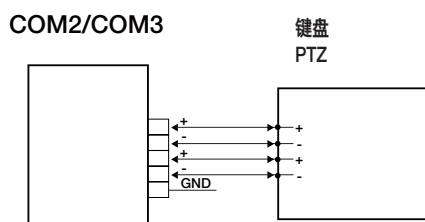


串行通信的接线图

COM1 (RS-232) 的接线图



COM2/COM3 (RS-485) 的接线图



连接其他设备

❖ 兼容的 PTZ 设备和键盘

设备	协议 / 型号名称	制造商
PTZ 摄像机	SAMSUNG-T	Samsung Techwin
	SAMSUNG-E	Samsung Techwin
	PELCO-P	Pelco
	PELCO-D	Pelco
系统键盘	SPC-6000	Samsung Techwin

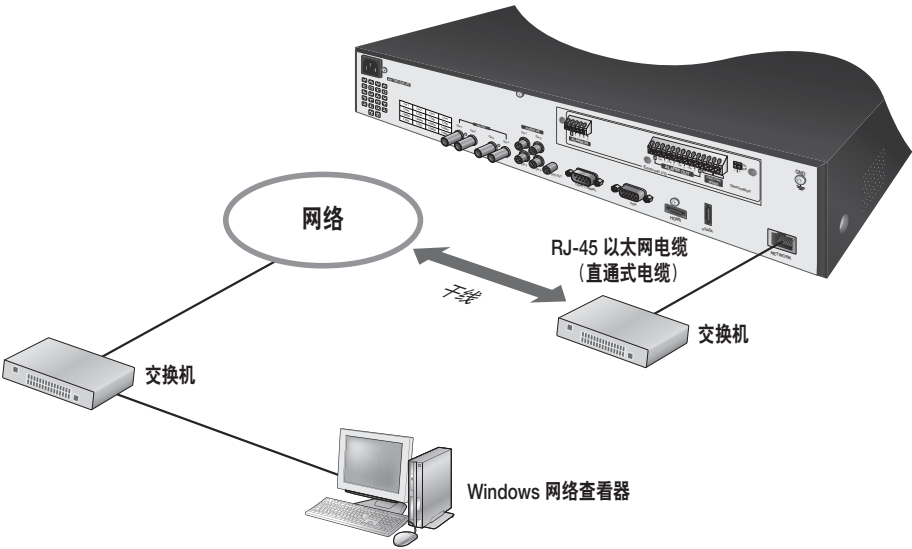
 如果要选择键盘的协议，请务必选择 <SVR/SRD-480D>。

网络连接

通过 Internet/Intranet 连接到远程计算机。然后，您可以如亲临现场一样使用计算机控制 DVR 并进行监视。

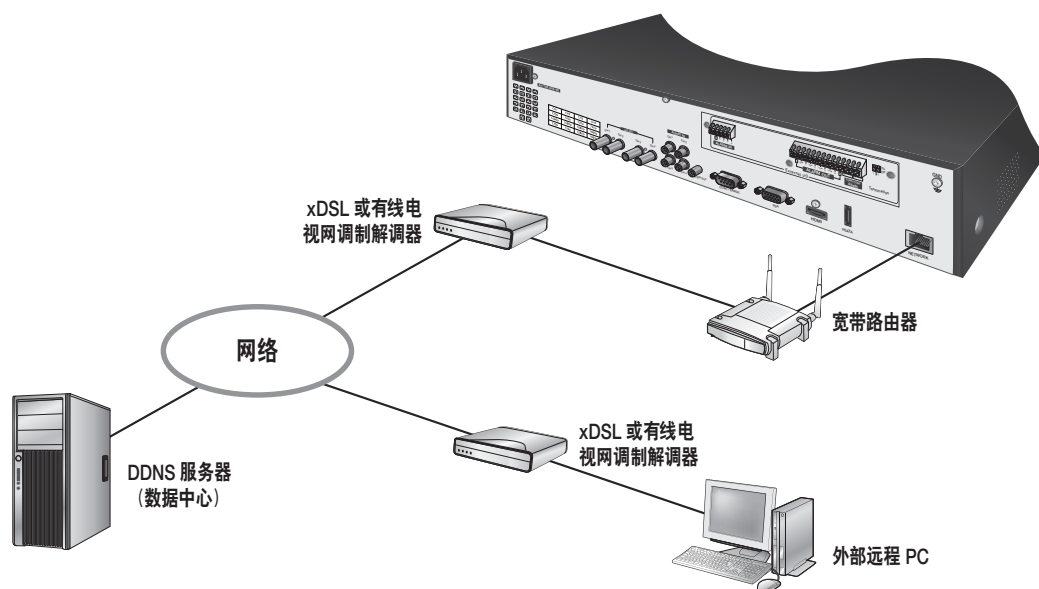
通过以太网 (10/100BaseT) 进行的网络连接

将类型设置为 <以太网>，然后输入 IP、网络掩码、网关和 DNS。
选择所需的位置，然后使用前面 [▲▼] 按钮或使用鼠标滚轮设置位置。



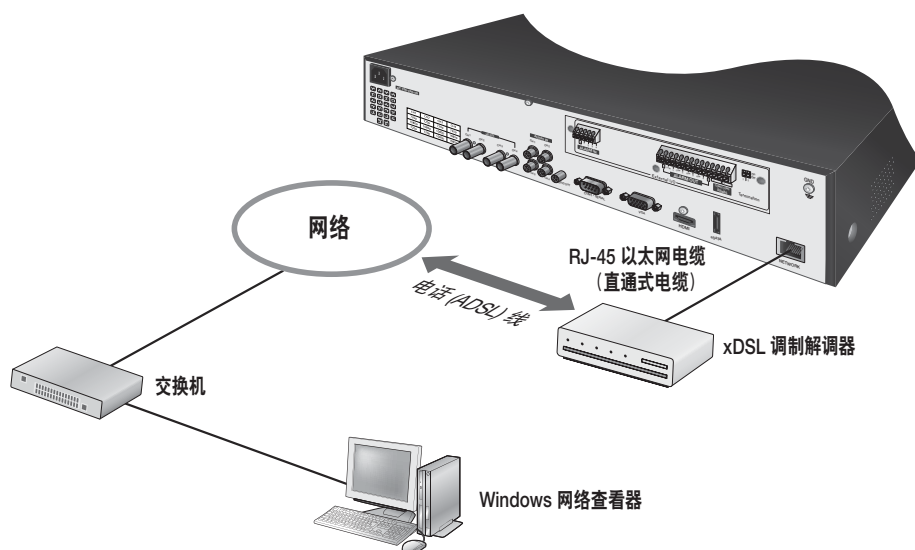
1. 关闭电源。
2. 将以太网电缆同时连接到 DVR 和集线器。
3. 重新打开电源。

通过路由器进行的网络连接



通过 xDSL 进行的网络连接

在移至 xDSL 菜单之前，将类型更改为 <xDSL>。
 首先，更改以太网线路的端口。（应记住该端口号。）
 输入预订 PPPoE 服务时，在 xDSL 菜单中提供的用户 ID 和密码。



连接其他设备

使用 DDNS 进行的连接

将间隔更改为 1 分钟以上，然后输入 DDNS 服务器 IP 和注册的用户 ID。

- 为了防止损坏 DVR，必须在接通电源之前连接以太网电缆。
- 将以太网电缆插入到底以确定连接牢靠。
- 打开 DVR 并检查连接是否正确。



■ 请参阅“DDNS 设置”。(第 44 页)

现场

开始使用

启动系统

1. 将电源线连接到 DVR 的背面“电源”端口。
2. 每个指示灯都会闪烁一次。
启动过程将需要一分钟，并且启动徽标将显示在屏幕上。



3. 现场屏幕将会出现。
 - 如果尚未指定密码，请在密码对话框中输入密码。



系统关闭

仅当已登录 DVR 时，才可以关闭系统。
管理员以外的其他用户帐户仅当获得 < 电源 Off > 权限时才可关闭系统。

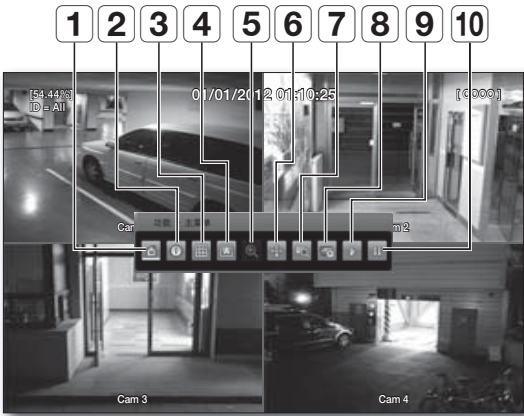
1. 按前面板上的“电源”按钮超过
3 秒钟。
2. 如果提示您确认关闭，请选择 < 是 >。



现场

现场功能菜单

除了前面板按钮或遥控器按钮之外,您还可右键单击现场屏幕上的任何区域以显示“功能”菜单栏。在“功能”菜单栏中选择所需的项目。



菜单项		说明
1	主菜单	访问主菜单。 这与遥控器上的 [MENU] 按钮一样。
2	系统信息	显示系统信息。 这与遥控器上的 [STATUS] 按钮一样。
3	显示	您可以选择单屏或多分屏模式。 它们与遥控器上的 [DISP] 按钮一样。
4	序列	按“序列”中指定的顺序执行序列。 这与遥控器上的 [AUTO] 按钮一样。
5	数字变焦	显示数字变焦菜单。 这与遥控器上的 [ZOOM] 按钮一样。
6	PTZ	在屏幕上显示 PTZ 控制菜单。 这与遥控器上的 [PTZ] 按钮一样。
7	搜索	移到搜索菜单屏幕。 这与遥控器上的 [SEARCH] 按钮一样。
8	复制	显示复制菜单。 这与遥控器上的 [COPY] 按钮一样。
9	播放	访问播放模式。 这与遥控器上的 [►] 按钮一样。
10	冻结	暂时停止播放现场视频。 这与遥控器上的 [■] 按钮一样。

使用现场菜单

选择分屏模式

按遥控器上的 [MULTI] 按钮或在“功能”菜单窗口选择显示菜单以显示屏幕模式菜单，可在其中选择所需的屏幕模式。

单一屏幕

在现场模式中按每一个频道按钮，或将光标放置在所需的频道并单击它。
再次按 [MULTI] 按钮或再次单击频道屏幕可切换回分屏。

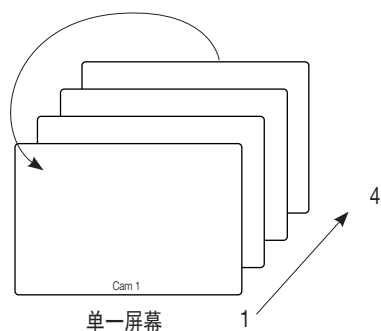
分屏模式

在单一屏幕模式中，按 [MULTI] 按钮或在显示菜单中选择 <4A>。

自动顺序

您可以按指定间隔顺序查看 4 个现场视频。

按前面板 [AUTO] 按钮或单击“功能”菜单栏中的 <回> 按钮。
再次按下该按钮或在“功能”栏中选择“自动顺序”项目可停止切换。

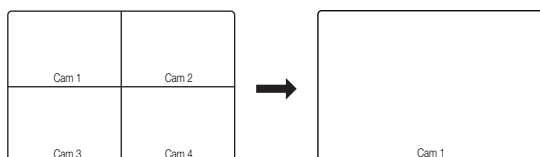


- 停留时间将根据“显示设置 > 监视器”中指定的频道和时间来显示。（第 34 页）

切换到单一屏幕模式

将光标移动至在分屏模式中所需的频道，然后双击该频道以切换到频道的单一屏幕。
按前面板或遥控器上的数字按钮选择所需的频道。屏幕将切换到频道的单一模式。
请参阅“遥控器 > 使用数字按钮”。（第 13 页）

- 例如）如果单击数字 3 或按前面板或遥控器上的数字 3



现场

数字变焦

1. 在单一全屏模式中, 按 [FUNC] 然后选择  按钮和 [+] 按钮。然后, 按 [ENTER] 或左键单击以放大屏幕。
2. 如果选择  按钮, 默认情况下将放大屏幕中央。在放大的屏幕中, 您可以按水平 48 级, 垂直 27 步移动放大的屏幕。
3. 您可以使用方向按钮在屏幕中导航。
4. 选择 [-] 按钮然后按 [ENTER] 或右键单击它以返回到上一屏幕模式。

冻结

您可以像在播放模式中那样冻结现场屏幕。

按前面板上的 [PAUSE] 按钮以冻结现场屏幕; 再按一次以返回到现场屏幕。

PTZ 控制

将 PTZ 控制器连接到 DVR, 然后在“串行”菜单中指定协议。然后, 您可以在实时观看视频时控制 PTZ 操作。按前面板上的 [PTZ] 按钮或按 [FUNC] 以选择所需的 PTZ 操作。

如果想要控制 PTZ 操作, 请先选择频道再使用该功能。选定的频道将加上蓝色方框。

分屏模式中的 PTZ 控制

在分屏模式中, 按前面板上的 [PTZ] 按钮, 或者从“功能”菜单中单击  以进入 PTZ 控制模式。

选择频道, 然后按 <P/T> 按钮。您将在所选频道的中间看到符号 +。

请注意, 如果您控制频道 2 的平移 / 倾斜操作, 则您是在整个 4 分屏模式屏幕中执行该操作, 而不是在频道 2 屏幕中进行。

因此, 您应根据 4 分屏屏幕的中心控制实际操作。

平移 - 左 / 右, 倾斜 - 上 / 下, 缩放 - 左 / 右, 对焦 - 上 / 下

1. 按想要控制的频道的按钮。
2. 按前面 [PTZ] 按钮或单击“功能”菜单栏中的 。
3. 将出现 PTZ 菜单栏 (平移 / 倾斜、聚焦 / 变焦、菜单、加载预设、保存预设)。
4. 选择所需的项目, 然后按 [ENTER] 按钮或单击它。



- 如果想在分屏模式中控制 PTZ 操作, PTZ 菜单栏的位置将因频道而异。
- 如果使用遥控器或前面板上的 [▲▼] 按钮或通过鼠标滚轮选择偶数频道, 菜单栏将出现在左边; 如果选择奇数频道, 菜单栏将出现在右边。

平移/倾斜

用于在实时监视模式中控制平移和倾斜操作。

1. 在 PTZ 模式中选择“平移 / 倾斜”。
2. 使用前面板上的 [▲▼] 按钮或单击屏幕上左边或右边区域来控制平移操作；
使用前面板上的 [▲▼] 按钮或单击屏幕的上方或下方区域来控制倾斜操作。

聚焦/变焦

用于在实时监视模式中控制缩放和对焦操作。

1. 在 PTZ 模式中选择“聚焦 / 变焦”。
2. 使用前面板上的 [▲▼◀▶] 按钮或使用鼠标来控制聚焦和变焦功能。

加载预设

用于在实时监视模式中移至预设点。

1. 使用前面板或遥控器上的 [▲▼] 按钮，或者使用鼠标滚轮选择预设编号。
2. 确定预设后，选择 < 加载 >，然后按 [ENTER] 或单击它。

保存预设

用于在实时监视模式中指定新的预设点。

1. 使用“平移 / 倾斜”和“聚焦 / 变焦”菜单来调整摄像机的位置。
2. 使用前面板或遥控器上的 [▲▼] 按钮，或者使用鼠标滚轮选择预设编号。
3. 确定预设后，选择 < 保存 >，然后按 [ENTER] 或单击它。

菜单

用于访问连接的 PTZ 设备的控制台菜单。您可以使用前面板上的 [▲▼◀▶] 或 [ENTER] 按钮来选择控制台菜单。完成后，按前面板上的 [ESC] 或 [PTZ] 以退出控制台菜单。

事件监视

可设置在发生事件时显示弹出视频。

- 您可以在事件源中选择弹出视频的事件。事件源包含 3 个选项：传感器、动态侦测和文本。
- 如果事件同时在多个频道中出现，屏幕将按频道数量分屏。例如，如果事件出现在 3 个频道中，屏幕将分割为 4 个以显示各个事件。要返回至上一屏幕模式，只需按屏幕上显示的任意频道的按钮即可。
- 要返回至上一屏幕，请按 [ESC]。



- 如果您将事件屏幕设置为 < 关 >，事件弹出将会取消激活。
- 如果将事件屏幕设置为“保留”，将会显示弹出视频，直到按任意按钮为止。要返回至上一屏幕模式，只需按屏幕上任意频道的按钮即可。

菜单设置

快速设置

“快速设置”菜单仅供您访问 DVR 的关键功能的集合。

MENU - ENTER - ▼ - ▼ - ENTER



录制模式

它会设置录制方法。

 ■ 有关更多信息，请参阅“**录制设置**”。(第 34 页)

事件探测

从以下选项中选择事件应用选项：**< 始终 >**、**< 关 >** 和 **< 时间表 >**。
应用详情可能会因选项而异。

 ■ 有关事件录制的更多信息，请参阅“**事件设置**”。(第 38 页)

语言

选择首选 OSD 语言。

 ■ 有关更多信息，请参阅“**系统设置**”。(第 48 页)

时间

它会设置应用于系统的时间。

 ■ 如果在录制期间更改时间，则可能出现冗余数据。
有关时间设置，请参阅“**指定时间**”。(第 49 页)

音频录制

指定使用音频录制。

 ■ 有关音频录制的更多信息，请参阅“**配置音频设置**”。(第 37 页)

显示设置

显示设置

您可以为每个可用频道指定频道名称以及使用这些频道。

MENU - ► - ENTER - ENTER

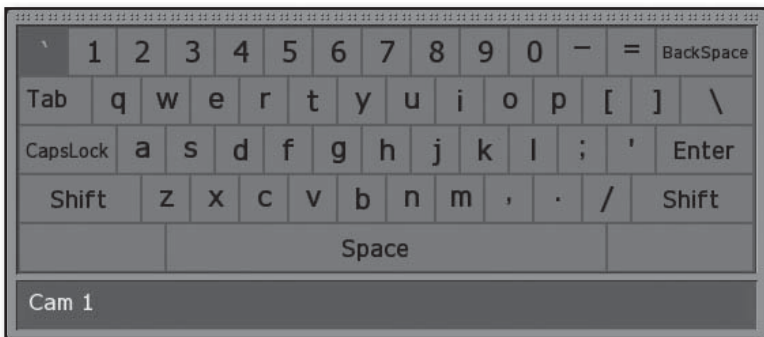


- 频道：选择要将设置应用于的频道。
- 频道名称：使用虚拟键盘输入将在屏幕上显示的频道名称。
- 显示：指定使用该频道。



■ 如果您不准备录制或进行（网络）监视，请将其设置为 <关>。

使用虚拟键盘



1. 如果您要更改摄像机名称、DVR 名称或用户 ID/ 密码，请使用虚拟键盘。
2. 使用前方向按钮选择字符，然后按 [ENTER]。或者，您只需逐个单击所需字符。
3. 完成后，使用前方向按钮移至 <Enter> 按钮，然后按 [ENTER]。或者只需单击 <Enter>。
 - 在英语模式中，您可以按 [CapsLock] 或 [Shift] 来输入特殊字符
 - 按 [Tab] 可跳过 3 个字符。
 - 按 [BackSpace] 可一次删除一个字符。

菜单设置

监视器设置

如果想要在监视器上显示视频，您必须先配置相关设置。

MENU - ► - ENTER - ► - ENTER



- 序列：根据喜好更改自动顺序设置。
您可指定多达 16 个顺序模式，停留时间应指定在 1 至 60 秒之间。
- 屏幕显示：选择想要在现场或播放屏幕上显示的项目。
对于现场视频，您可以选择显示时间、频道名称、事件或录制状态、硬盘、遥控器 ID 和文本。对于录制视频，您可以选择显示时间、命令、频道名称、事件或文本。

录制设置

录制设置

MENU - ► - ► - ENTER - ENTER



- 录制模式：选择录制模式。
 - 手动 & 事件：如果想要进行手动录制，则选择此项。
 - 时间表 & 事件：如果想要提前计划录制，则选择此项。
- 仅当将录制模式设置为 <手动 & 事件> 时，才能进行手动录制。选择频道节目，然后按前面板上的 [录制] 按钮（只能由具有适当权限的用户操作）开始录制。
- 如果您设置 <时间表 & 事件>，底部的菜单栏将根据选择的模式更改为 <时间表> 或 <节目>。然后，DVR 会相应地开始录制。

- 事件期间：指定事件前和事件后录制时间。
 - 您对 **<事件前录像>** 和 **<事件后录像>** 的设置应用于所有频道。
 - 覆盖：指定在硬盘空间变满时使用覆盖。
 - 警告级别：将检查附加或连接至 DVR 的所有磁盘的使用情况，如果使用率达到指定级别，则发出警告。
 - 自动删除：如果指定自动删除时间段，则会自动删除在此时间段之前的录制数据。
- ! ■ 完成设置后，请确保在保存设置之前备份现有的数据以防丢失。
- 音频：音频设置包括音频频道、音频录制、音量、同步视频频道和音频混合。
 - 有关音频设置的更多信息，请参阅“**配置音频设置**”。(第 37 页)

进行计划录制

DVR 将按计划和编程开始录制



1. 将 **<录像模式>** 设置为 **<时间表 & 事件>**，然后按 [ENTER]。
2. 使用箭头按钮 [▼] 移动到 **<时间表>**，然后按 [ENTER]。
您将看到时间表设置屏幕。
根据需要为每天或时间线指定方式。
3. 使用 [▲▼◀▶] 按钮指定时间表菜单的每个项目然后按 [ENTER]。
 - 项目：1 到 50 之间的时间表单位
 - 日：指定日
 - 方式：指定录制的方式 (A~I)
 - 时间：指定时间
 - 删除：按项目单位删除
4. 如果指定项目、日、方式和时间，您的设置将显示在表中。
如果使用鼠标选择录制开始和结束时间，详情将在每个项目、日、方式和时间中显示。

菜单设置

删除现有时间表

选择一个项目，然后按 < 删除 >。
如果不选择项目就按 < 删除 >，则将先删除上一个项目。然后，删除动作将从编号最大的项目以降序顺序继续进行。

更改现有时间表

选择一个项目，然后手动更改日期、方式和时间。
如果所有多达 50 个项目都已指定，请从表中单击时间线，然后选择要更改的时间。
然后，现有的内容将被删除，并更改为新的设置。

- 
- 如果同时作出重复设置，重复的项目将在表中标记有 '!'。
如果配置时间线设置，则不能包含现有的设置。

进行事件录制

可以设置为事件发生时进行录制。
要进行事件录制，请指定要包括在方式中的分辨率、帧速率和质量。



- 将 < 录像模式 > 设置为 < 手动 & 事件 >，然后按 [ENTER]。
 - 使用箭头按钮 [▼] 移动到 < 方式 >，然后按 [ENTER]。
 - 选择要应用于事件录制的方式。
 - 每种方式的分辨率可在“录像设置 > 方式”中指定。(第 37 页)
- 
- 如果只要进行事件录制，请在方式设置中将标准帧速率设置为 0fps，然后指定该帧速率仅适用于事件。

配置音频设置



- 音频频道：选择要设置音频的频道。
- 自动录制：指定保存现有的音频设置。如果设置为 <关>，则仅实时视频会输出音频信号；如果设置为 <开>，录制视频也会输出音频信号。
- 音量：使用 +/- 按钮调节音量。
- 同步视频频道：选择要与输入音频信号同步的频道。如果设置为将频道 1 的视频与频道 4 的同步，则当选择频道 4 时，将会输出频道 1 的音频输入。默认情况下，频道 1 音频将输出到频道 1 视频。
- 音频混合：选择在实时视频中使用的音频信号。如果设置为 <Mix On>，则会先混合所有传入音频信号再输出。因此，如果选择特定音频，则不管您选择哪个频道，都会输出该音频。

方式设置

可以调整录制方式的帧速率、质量和分辨率以用于手动“手动 & 事件”和“时间表 & 事件。”根据您选择的帧速率和质量选择方式，或手动进行设置。对于事件录制，您可以对每个频道指定最大帧速率；如果事件在多个频道中发生事件，录制帧速率可进行相应调整。

MENU - ► - ► - ENTER - ► - ENTER



- 方式：您可以选择从 A 到 I 共 9 个方式，并为每个方式指定标准 / 事件分辨率。
- Ch: 显示频道编号。

菜单设置

- 输入分辨率：显示输入分辨率。
- 录制分辨率：显示录制分辨率。
- F(FPS) :FPS 代表帧 / 秒。您可以指定 0 到 30 fps 之间的 FPS。最大帧速率可能会因设置而异。
与 720p 和 1080p 设置混合时，1080p 的 1 帧估计为 720p 的 2 帧。（在 DVR 菜单中，帧分配应该满足此限制，并且不能设置为超出最大性能的值。）例如，如果将两个频道设置为 720p（30 帧时），余下的频道可分配为 1080p（30 帧时）或 720p（60 帧时）。
- Q（质量）：对于 1080p，您可以在 Q1 到 Q7 之间选择录制质量。对于 720p，您可以在 Q1 到 Q5 之间选择录制质量。建议为事件录制选择 Q3 或以上。
 - 质量越高，录制时间越短。因此，如果想要减小录制大小，则设置为 Q1。

✎ 如果在方式设置中将帧速率设置为 0fps，则剩余的 30fps 无法用于其他频道。这是因为即使将帧带率设置为 0fps，也会因网络传输等原因，保留至少 2~3fps。因此，如果想要将剩余的 30fps 用于其他频道，则必须在频道设置中将频道设置为 <关>。

事件设置

事件设置

指定事件应用时间和停留时间。

MENU - ► - ► - ► - ENTER - ENTER



- 事件探测：指定事件录制的应用方法。
 - 始终：操作时 DVR 始终识别事件。
 - 时间表：识别和回应特定时间发生的事件。
将在底部创建 <时间表> 项目。选择该项目以显示设置窗口。
 - 关：这将禁用事件录制。
 - 切换到事件屏幕：指定发生事件时显示频道的持续时间。
 - 事件源：选择要用于弹出窗口的事件源。事件源包含 3 个选项：传感器、动态侦测和文本。
 - 事件动作：在继电器 1~4、蜂鸣器、电子邮件和 FTP 之间选择一个。
- ✎ 如果事件同时在多个频道中发生，屏幕将按频道数量分屏。
例如，如果事件在 3 个频道中发生，屏幕将分割为 4 以显示各个事件。要返回至上一屏幕，请按 [ESC]。

事件动作设置

根据传入事件指定操作。

MENU - ► - ► - ► - ENTER - ENTER - ▼ - ▼ - ▼ - ▼ - ▼ - ENTER



- 动作持续时间：此项用于继电器和蜂鸣器设置。这会使操作持续到指定时间。
 - 电子邮件将按指定的时间间隔传输，每次激活事件时，FTP 将传送图像。
- 一般事件源：您可将一般事件源设置为 4 个传感器、4 个动态侦测、4 个视频丢失和文本之一。
- 系统事件源：作为系统事件源，您可以设置下列各项的某些项目或全部项目：硬盘失败、硬盘空间将满、风扇失败、密码失败、DDNS 注册失败和异常录像停止。

通过电子邮件同步事件

可使用三种方式来通过电子邮件传输：不认证、SMTP 认证、和 TLS 认证。



1. 选择 <E-mail> 以进行事件同步。
2. 指定持续时间。
电子邮件将按指定的时间间隔传输。
3. 选择 <一般事件源> 或 <系统事件源>。
4. 选择 <E-Mail 设置> 并提供每个项目。
 - E-Mail 地址：提供想要接收消息的电子邮件地址。
 - 发送人地址：提供有效的（当前使用的或现有的）电子邮件地址。

菜单设置

- 包括图片：如果设置为 **<开>**，则在发生事件时要发送的电子邮件将包括事件发生时的事件图像。如果设置为 **<关>**，则发生事件时会发送电子邮件，但不会附加图像。
- SMTP 服务器：提供发件人电子邮件地址的 SMTP 服务器地址。
 - 如果服务器采用认证系统，则将创建 **<用户 ID>** 和 **<密码>** 项目。
 - SMTP 端口：选择 SMTP 服务器中使用的端口。
 - 认证：认证将使用 TLS（传输层安全）的协议，或用于 SMTP 认证的电子邮件地址和帐户执行。使用与 TLS 或 SMTP-AUTH 相符的电子邮件帐户。
 - 发送测试邮件：此项是用于检查是否正确指定电子邮件的发件人、收件人和其他必要设置。

通过 FTP 同步事件



1. 选择 **<FTP>** 用于事件同步。
2. 指定是否通过 FTP 上传。每次事件活动时将发送图像。
3. 选择 **<FTP 设置>** 并提供每个项目。
 - 服务器 URL：提供 FTP 服务器地址。
 - 用户 ID：提供用于连接到 FTP 服务器的 ID。
 - 密码：提供用于连接到 FTP 服务器的密码。
 - FTP 目录：指定传输到 FTP 服务器的图像的保存路径。如果留空，则会将图像传输到服务器指定的文件夹；如果提供错误的路径，则会将图像传送到 FTP 服务器指定的文件夹。
 - 例如）如果提供 **“下载”**，则必须在服务器子目录中创建 **“下载”** 文件夹。如果发生事件，则会将图像传输到 **“下载”** 文件夹。

一般事件设置

可以指定动态侦测区域、传感器和文本。

MENU - ► - ► - ► - ENTER - ► - ENTER



动态侦测设置

动态侦测用于在每个频道中探测并在发生动作时通知用户。

- 动态侦测：选择要执行动态侦测的频道。
- 灵敏度：选择每个频道的灵敏度级别：关、最低、1~10 和最高。
- 区域：指定想要执行动态侦测的区域。
如果设置为“全部”，则有两个选项：设置全部或清除全部。如果为每个频道设置，则有三个选项：设置全部、清除全部和选择区域。
- 报警输入：您可以使用 4 个传感器。如果设置为 <全部>，则所有频道将以相同的方式设置为 N.O 和 N.C；或者，您可以选择频道并将它设置为：N.O、N.C 或“关”。
- 文本：提供消息。必须在 OSD 菜单的“事件设置”中指定文本设置。
 - 同步频道：选择与文本同步的频道。
 - 验证报头：如果外部设备的信息（手册、VSI Pro、VSI Pro Hydra）包含协议以外的信息，此选项将检查每个信息项目的组成方式和内容。
报头是信息的每个独特片段的开始项目，将插入供您参考。
将 <验证报头> 设置为 <开> 并提供识别为报头的文本。
 - 您可为每个信息片段指定两个报头，因为一个设备可以向多个外部设备传输数据。
 - 分隔符：分隔符可能因主设备而异。因此，请参阅用户手册或联系您的零售商以获取准确的分隔符。
 - 超时 (ms)：即使提供的信息比 <行数> 中指定的少，也会在经过特定时间后将您提供的最后一行将被设置为最终行。
 - 行数：定义一段信息由多少行组成。



- 根据型号，可能无法识别一些外部设备。在安装之前，必须与零售商联系，以取得兼容性信息。

菜单设置

指定移动区域



1. 选择动态侦测频道。
仅当选择一个频道时，才可以指定动态侦测区域。
2. 移动到 < 区域 >，然后选择 < 选择区域 >。
3. 选择 < 自定义区域 >。
4. 出现自定义区域设置窗口时，使用方向按钮移动到所需的区域，然后按 [ENTER]。
指定的移动区域将加上灰色方框。
5. 完成后，按 [ESC] 或右键单击以返回上一菜单。

预设设置

您可以控制在 PTZ 功能中指定的预设，以根据事件输入做出反应。

MENU - ► - ► - ► - ENTER - ► - ► - ENTER



1. 指定要用作每个频道的 PTZ 操作的预设。
2. 从预设菜单中，选择频道并指定触发预设的事件。
您可以针对事件选择下列各项：传感器、动态侦测和文本。您最多可以指定 16 个预设。

网络

通过以太网进行的网络设置

此菜单可让您配置通过以太网连接到网络的网络设置。

MENU - ► - ► - ► - ► - ENTER - ENTER



- 类型：将网络线路类型（连接到 DVR）设置为 < 以太网 >。
如果将 DVR 连接到 DVR 专用线、有线电视网调制解调器或 LAN，则此项适用。
- DHCP：是否使用 DHCP 取决于如何共享网络的 IP 地址。DHCP 服务器将公共 IP 分配给 DVR，因此在使用 DHCP 服务器的 LAN 环境中，请将此选项设置为 < 开 >。
- IP 地址：用于 DVR 与 Smart Viewer 之间的通信，或尝试通过 Web viewer 访问 DVR。
如果将 < DHCP > 设置为 < 关 >，此项目将处于活动状态。输入静态 IP。
- 子网掩码：指定 IP 范围。范围内的任何 IP 在相互通信中都有效。
- 网关：这是通信的必需字段。
- DNS：如果想要向 DDNS 注册 DVR，则必须输入 DNS。



■ 有关子网掩码、网关和 DNS1 的信息，请与网络管理员联系。

- 端口：输入用于向 DDNS 注册 DVR 的端口号，或尝试访问 Smart Viewer 或 Web Viewer。



■ 默认端口号为 4000。如果使用 PPPoE 调制解调器和宽带路由器，则输入端口号时请小心。

- 带宽限制：指定 DVR 可以产生的最大传输速率。您不需要手动指定限制，因为这是由网络管理员指定的。
- 网络流：指定通过网络从 DVR 传输的视频质量。
在以下情况下，可能会以低于所要求的帧速率播放视频：
 - 宽带不足、低于推荐的计算机规格、并行用户数超过 3 个或服务器正在进行播放 / 备份

菜单设置

通过 xDSL 进行的网络设置

如果 DVR 连接到使用 PPPoE 的 xDSL 线路，请将类型更改为 xDSL 并提供用户 ID 和密码。使用注册 xDSL 服务后分配的用户 ID 和密码。

MENU - ► - ► - ► - ► - ENTER - ENTER



- 类型：如果使用 PPPoE，则将其设置为 <xDSL>。
- ID/ 密码：提供 xDSL 服务的 ID 和密码。
- 端口：输入用于向 DDNS 注册的端口号，或尝试访问 Smart Viewer 或 web viewer。

! ■ 默认端口号为 4000。如果使用 PPPoE 调制解调器和宽带路由器，则输入端口号时请小心。

- 带宽限制：指定 DVR 可以产生的最大传输速率。您不需要手动指定限制，因为这是由网络管理员指定的。
- 网络流：指定通过网络从 DVR 传输的视频质量。

DDNS 设置

选择 DDNS 服务器并指定传输时间间隔。

MENU - ► - ► - ► - ► - ENTER - ► - ENTER



- 时间间隔：指定连续注册的注册频率。动态 IP 信息将随 DDNS 服务器按指定的时间间隔更新。如果将其设置为 <关> 或 DVR 连续两天不传输任何数据，则 DDNS 服务器将删除时间间隔设置。
- 服务器：提供要注册的服务器地址。DDNS 地址为 www.samsungipolis.com。
- ID：提供向 DDNS 服务器注册产品时输入的域信息。
- 显示：显示 DVR 注册的状态。

什么是 DDNS ?

如果 DVR 连接到有线电视网或 xDSL 调制解调器，则每次 DVR 尝试访问 ISP 时，IP 地址都会更改。在这种情况下，将不会通知您 DDNS 已更改 IP 地址。一旦向 DDNS 服务器注册基于动态 IP 的 DVR，就可以在尝试访问 DVR 时轻松检查更改的 IP。

要使用 DDNS 功能，请预订 DDNS 服务器并注册 DVR。

登录 DDNS 服务器并单击“注册设备”以提供指定的 ID 和密码。

向 Samsung DDNS 注册

1. 在 iPOLiS 主页 (www.samsungipolis.com) 上注册您自己。



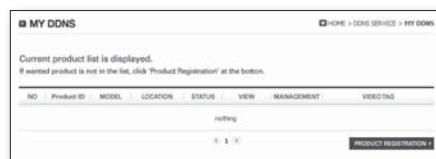
2. 从顶部的菜单栏，选择 <DDNS SERVICE> - <MY DDNS>。



3. 单击 [PRODUCT REGISTRATION]。

4. 输入产品 ID。

- 对于您输入的 ID，必须执行重复检查。

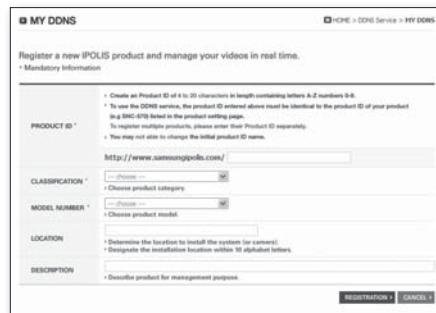


5. 选择 <CLASSIFICATION> 并指定 <MODEL NUMBER>。

6. 指定产品位置及说明（如有必要）。

7. 单击 [REGISTRATION]。

产品将添加至产品列表，您可以对其进行检查。



菜单设置

NTP 设置

NTP（网络时间协议）用于同步网络设备之间的时间。它包括网络中提供标准时间的服务器和连接到服务器以接收同步时间的客户端。

MENU - ► - ► - ► - ► - ENTER - ► - ► - ENTER



- 与 NTP 同步：指定使用 NTP。
- NTP 模式：将 NTP 模式设置为客户端、服务器或两者。
- NTP 服务器位置：如果将 NTP 模式设置为“客户端”，则此项将处于活动状态。指定 NTP 服务器是位于本地网络中还是 Internet（公共）中。
- NTP 本地服务器 IP：如果将 NTP 本地服务器设置为“本地”，则此项将处于活动状态。指定服务器 IP。提供 DVR 的 IP，该 DVR 在本地网络中 NTP 服务器的 IP 或 NTP 模式设置为“服务器”。
- 时间间隔：指定时间同步的时间间隔。

- ❗ 如果 NTP 模式设置为“客户端”，则应将 NTP 应用应设置为 <开>。
- 但是，如果 NTP 应用程序设置为 <开>，您就不能设置 <时间>。（第 48 页）
- 如果设置为启用 NTP，则所有录制数据的时间将根据 NTP 的应用时间更改。

远程设置

配置 RS-485 通信设置以使 DVR 与 PTZ 摄像机和系统键盘同步。

MENU - ► - ► - ► - ► - ENTER - ► - ► - ► - ENTER



- 系统键盘 ID：如果想要使用控制器按钮来控制 DVR 的所有功能，请指定键盘 ID。如果使用一个键盘控制多个 DVR，则针对频道可能会发生冲突。如果发生这种情况，请为键盘指定不同的 ID。

- 遥控器 ID：提供与 DVR 同步的遥控器 ID。您最多可以指定 16 个遥控器 ID。每个遥控器可控制多达 16 个 DVR。
 - 有关注册遥控器 ID，请参阅“更改遥控器 ID”。（第 13 页）
- 串口：配置连接到每个串行端口的设备的设置，以及与传输相关的菜单的设置。
- PTZ：如果使用串行端口控制 PTZ 操作，则选择此项。

设置串行端口

设置时一共可以使用 3 个串行端口。一个用于 RS-232C (COM1)，两个用于 RS-232C (COM2, 3)。



- 文本：由于仅 COM1 端口 (RS-232) 支持文本，请在串行端口菜单中选择 COM1。
 - 接口：固定为 RS-232。
 - 波特率 / 校验位 / 停止位 / 数据位：对于每个设备的这些项目，配置相同的设置。
- ! ■ 对于输入文本，不能使用键盘搜索。
- 键盘：如果想要使用键盘，请将设备设置为“键盘”并选择要使用的键盘。
 - 接口：选择 COM2 或 COM3。
 - 波特率 / 校验位 / 停止位 / 数据位：对于键盘的这些项目，配置相同的设置。
- PTZ：如果使用串行端口控制 PTZ 操作，请选择 PTZ。

菜单设置

系统设置

系统设置

您可以配置与系统相关的设置和升级软件。

MENU - ► - ► - ► - ► - ► - ► - ENTER - ENTER



- 语言：OSD 菜单有多种语言。选择首选语言。
- 蜂鸣器：指定按前按钮时使用按键音。
- 恢复出厂设置：用于恢复出厂设置。
- 加载 / 保存 配置文件：用于将保存在 USB 存储器中的 DVR 设置传输到 DVR，或将 DVR 的当前设置保存到 USB 存储器中。



- 软件升级：使用 USB 存储器中的可升级文件执行软件升级。
- DVR 别名使用虚拟键盘输入 DVR 别名。
- 系统日志：如果更改每个用户的菜单设置、打开 / 关闭电源、使用时间更改时间设置、使用系统事件或硬盘或者进行复制，所有操作都将列入系统日志中。
- 系统时间：指定将应用于系统的时间和日期。
为了保护录制数据，建议根据当地区域设置时间。

- ! 录制期间不要更改时间。
- 如果更改时间，将会根据更改的时间更改所有录制数据的时间。

更新软件

USB 可更新文件格式为 "*.dat"。



1. 连接到 DVR 之前，请将 USB 可更新文件下载到 USB 设备。
2. 在系统菜单中选择“软件更新”项目，然后按 [ENTER]。
3. 如果提示您确认更新，请单击 < 是 >，然后按 [ENTER]。
系统将立即重新启动并发出蜂鸣声。

指定时间

- ! ■ 如果在录制过程中更改时间，现有录制视频的时间将随之更改，因此建议在更改时间之前复制所有重要视频数据。



1. 按前面板上的 [MENU] 按钮或选择“功能”菜单中的 < 功能 >。
2. 移动到 < 系统 > 菜单，然后选择 < 时间 >。然后，按 [ENTER]。
3. 如果移动到子菜单项，使用方向按钮或鼠标进行选择，然后按 [ENTER] 或单击。
 - 时区：使用前面 [◀▶] 或鼠标滚轮选择时区。每次按箭头按钮，时区都会切换。（要返回上一菜单，请按前面 [ESC] 按钮或右键单击。此方法在所有 OSD 菜单中都一样。）
 - 夏令时：此项将与时区设置同步。即，如果在“时区”菜单中选择将应用 DST 的区域，则会自动将 DST 设置为 < 开 >。否则，将设置为 < 关 >。
如果不管标准时区和 DST 为何，您要配置自己的 DST 设置，请选择 < 自定义 >。如果选择 < 自定义 >，则会显示“自定义 DST”菜单。
 - 自定义 DST 包含两个选项 < 按照周格式设定 > 和 < 按月格式设定 >。
在 < 按照周格式设定 > 中，为 DST 的开始和结束时间指定周和时间的月、周、日。
< 按月格式设定 > 需要指定 DST 开始和结束时间的月、日和时间。

菜单设置

- 当 DST 到期时，应会存在时间重叠的录制。系统会先播放 DST 时间下录制的电影胶片，然后播放非 DST 的电影胶片。
- 有关 NTP 的更多信息，请参阅网络设置中的“NTP”。
- 但是，如果 NTP 设置为 <开>，您就无法指定时间。
- 日期格式：指定日期格式。使用左 / 右按钮或鼠标滚轮从 < 月月 / 日日 / 年年 >、< 年年 / 月月 / 日日 > 和 < 日日 / 月月 / 年年 > 中选择一个。
- 时间：使用 [◀▶] 按钮按顺序移动到年、月、日和小时。对于时间设置，请使用 [▲▼] 按钮或鼠标滚轮。
- 应用日期 / 时间：要应用时间设置，必须按 <应用日期 / 时间> 按钮。如果按此按钮，将显示警告消息。
- ! ■ 退出菜单时，将会自动保存除“时间 / 日期”以外的设置。但是，“时间 / 日期”设置可能会影响硬盘录制文件系统，因此不会自动保存。要应用更改，您必须按 <应用日期 / 时间> 按钮。

磁盘检查

这将检查内部和外部硬盘，使您可以根据需要添加、移除或格式化硬盘。

MENU - ▶ - ▶ - ▶ - ▶ - ▶ - ENTER - ▶ - ENTER



- 磁盘管理：您可以使用磁盘管理器对内部 / 外部硬盘和外部存储设备进行管理。您可以指定硬盘状态、错误块、大小和使用硬盘。
 - 类型：显示磁盘位置和类型。
IntA（内部硬盘 A）、IntB（内部硬盘 B）、eSATA（外部存储器）、Ext（外部存储器）
 - 型号：显示硬盘型号名称。
 - 坏扇区：显示包含错误块的硬盘。如果没有错误，则显示“0”。未使用的硬盘不会显示错误块。
 - 容量 (MB)：按 MB 显示硬盘容量。
 - 可用：启用或禁用硬盘。

如果将硬盘设置为是

- 可用：此项设置为 <否> 时，如果按 [ENTER] 或滚动鼠标滚轮，您将看到如下警告消息：
“注意：本磁盘不用格式化也可添加。您要启用它而不格式化吗？”
- 如果选择 <否>，硬盘中现有的数据将保留，硬盘将可用。
- 如果选择 <是>，硬盘中现有的数据将被删除，硬盘将可用。

如果将硬盘设置为否

- 可用：此项设置为 <是> 时，如果按 [ENTER] 或滚动鼠标滚轮，您将看到如下警告：
“注意：硬盘将被删除。”
- 如果选择 <是>，您将看到消息“硬盘被删除。”且此选项将切换为 <否>。
硬盘将不可用。
- 如果选择 <否>，硬盘将被保留。
- 硬盘状态：您可以检查系统中安装的硬盘温度和状态。



- 曾用于其他设备（计算机或 DVR）的硬盘应该删除任何分区才能在当前设备上使用。

安全

安全设置

DVR 帐户分为两类：用户和管理员。管理员帐户不受限制，可访问 DVR 的所有功能。您可以添加多达 10 个用户，每个用户仅限在授予的权限内使用或访问 DVR。

MENU - ► - ► - ► - ► - ► - ENTER - ► - ► - ENTER



- 检查：从“权限设置”菜单中，如果将“检查”选项中的所有项目设置为 <X>，则所有用户都可访问 DVR 而不受限制。
相反，如果将所有项目都设置为 <O>，则每个用户只能在其相应权限内访问 DVR。
- 频道：仅播放来自用户选择的频道的视频；未选择的频道将设置为“隐藏”。

更改密码



菜单设置

1. 选择“更改密码”。
2. 当出现新密码对话框时，请提供新密码。
 - 您可输入最多 12 位数的密码。
3. 按 < 更改 > 按钮。
4. 如果提示您确认更改，请单击 < 是 >。

退出

退出

您可以返回到现场屏幕，返回时保存或不保存其他菜单中的设置。

MENU - ► - ► - ► - ► - ► - ► - ENTER



- 保存：如果想要将其他菜单中的设置，则选择此项。
如果提示您确认选择，请单击 < 是 >。
- 不保存：如果您不想保存其他菜单中的设置，则选择此项。

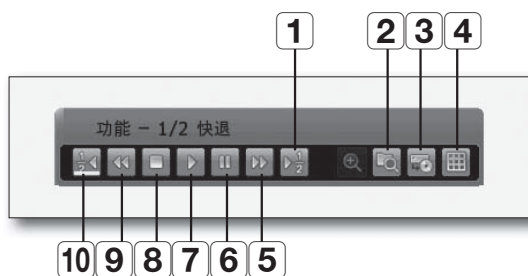
搜索和播放

播放模式

按默认模式播放（4 分屏）

- 在现场模式中，按 [▶] 按钮或单击“功能”菜单栏中的 <▶>。
 - 如果按“播放”或“更改速度”按钮，视频将按默认速度 x1 播放。
 - 如果按“更改速度”按钮，视频将按默认速度 x1 反向播放。
- 如果在分屏模式中按“播放”，屏幕将分割为 4 个部分，每个部分分别显示 4 个频道之一的视频。

播放控制



项目	说明
1 1/2 快进	如果按“功能”菜单栏中的 <▶1/2>，DVR 将按 1/2 的速度向前播放视频。
2 搜索	移至搜索菜单屏幕。
3 复制	移至复制设置屏幕。
4 显示	单一屏幕模式或 4 分屏模式按钮将显示在屏幕上。
5 快进	每次按该按钮，播放速度将会切换为：(x1、x2、x4、x8、x16、x32、x64、x1/2、x1、x2、x4 按此顺序) 如果在现场模式中按 <▶1/2>，将播放现在的现场模式时间前一分钟的视频。 您可按“功能”菜单栏中的 <▶1/2> 更改速度。
6 暂停	暂停播放视频。如果使用鼠标，请单击“功能”菜单栏中的 <⏸>。
7 播放	按 x1 的速度播放视频。如果使用鼠标，请单击“功能”菜单栏中的 <▶>。 如果在现场模式中按 <▶>，这将始终播放多个视频。 如果按 <▶1/2> 以播放录制数据，DVR 从最近播放过的视频开始播放视频。
8 停止	停止播放视频。如果使用鼠标，请单击“功能”菜单栏中的 <⏹>。
9 快退	每次按该按钮，向后播放速度将会切换为：(x1、x2、x4、x8、x16、x32、x64、x1/2、x1、x2、x4 按此顺序) 如果在现场模式中按 <◀1/2>，将反向播放最后录制部分之前 10 秒的视频。 您可以按“功能”菜单栏中的 <◀1/2> 更改速度。
10 1/2 快退	如果按“功能”菜单栏中的 <◀1/2>，DVR 将按 1/2 的速度向前播放视频。

搜索和播放

搜索模式

在此模式中，您可以搜索特定时间或日志以播放所需的视频。
搜索模式包括时间、日历、事件和缩略图。
要进入搜索模式，请按前面板或遥控器上的 [SEARCH]，或单击“功能”菜单栏中的 。



- 如果在搜索期间右键单击，您将返回到上一菜单，如 [ESC] 按钮的操作一样，而不是打开“功能”菜单栏。要使用“功能”菜单栏，请按前面板上的 [FUNC]，或者要退出“搜索”菜单，只需右键单击任何区域。

时间搜索

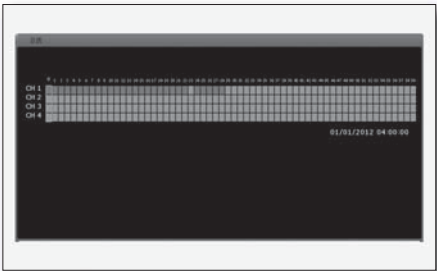
指定搜索的时间和日期，然后按“搜索”，您将移至该特定日期和时间的视频。



- 开始录像时间：显示第一次录制的时间和日期。
- 结束录像时间：显示最后一次录制的时间和日期。
- 搜索时间：在第一次录像和当前时间之间选择搜索的时间和日期。
- 搜索：搜索指定时间的视频。

日历搜索

您可以使用日历以搜索所需的日期 / 时间。
下图显示时间设置的示例，包括：年、月、日期和时间。



如果选择基于小时的时间线，您将按分钟查看录制详细信息。

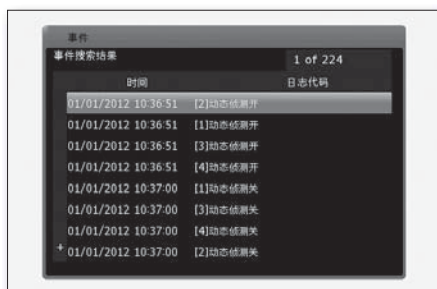
在时间线选择特定分钟，然后按 [ENTER]。

- 年：选择搜索的年。可以使用鼠标滚轮更改年。
- 月：选择搜索的月。可以使用鼠标滚轮更改月。
- 日期：在日历中移至特定日期，然后按 [ENTER]。您可以使用鼠标选择日期，然后使用鼠标滚轮按小时搜索。
- 小时：选择所需的时间线，然后按 [ENTER]。可按分钟搜索录制数据。
- 分钟：录制数据将按分钟列出。选择所需的时间线，然后按 [ENTER] 播放视频。如果使用鼠标，请选择按分钟列出的视频。使用滚轮播放视频。

事件搜索

可以按以下各项排序选择搜索的特定范围：所有频道、部分频道、整个事件、动态侦测和传感器。

使用前面板上的 [▲▼] 按钮更改时间和日期；如果使用鼠标，请选择要更改的项目，然后滚动滚轮进行设置。



- 开始录像时间：显示第一次录制的的时间和日期。
- 结束录像时间：显示最后一次录制的的时间和日期。
- 搜索开始时间：指定搜索的开始时间和日期。使用箭头按钮移至所需的项目，然后按 [ENTER]。按住 [▲▼] 按钮更改设置。
如果使用鼠标，只需单击要更改的项目并使用滚轮更改设置。
- 搜索结束时间：指定搜索的结束时间和日期。使用箭头按钮移至所需的项目，然后按 [ENTER]。按住 [▲▼] 按钮更改设置。
如果使用鼠标，只需单击要更改的项目并使用滚轮更改设置。
- 事件频道：选择搜索的频道。
- 事件类型：选择想要搜索的事件类型。
可以从以下选择：全部、动态侦测、传感器、视频丢失、文本和继电器。



- 事件出现状态只能在 <事件搜索结果> 中检查。

检查搜索结果

1. 按 <搜索> 按钮。
2. 从结果列表中，移至所需的事件，然后按 [ENTER] 或滚动鼠标滚轮。
DVR 将播放特定时间和日期的录制数据。

搜索和播放

缩略图

使用 [▲▼] 按钮或鼠标滚轮选择时间间隔内要搜索的特定时间。
搜索结果将以缩略图列出。选择缩略图。DVR 将播放特定时间和日期的录制数据。



- 频道：选择搜索的频道。可以使用 [▲▼] 按钮或鼠标滚轮更改设置。
- 开始时间：指定搜索的开始时间和日期。使用 [◀▶] 按钮移至要更改的项目，然后按 [ENTER]。然后，使用 [▲▼] 按钮或鼠标滚轮更改设置。
- 时间间隔：搜索将按一定时间间隔分开。将显示搜索结果。使用 [▲▼] 按钮或鼠标滚轮更改设置。
- 查看视频：按 < 搜索 > 从开始时间显示多达 16 个录制视频。要返回到搜索窗口，请按 [FUNC] 按钮或使用鼠标滚轮。
- 选择视频：从选定的时间线单击缩略图视频项目以开始播放视频。按 [ENTER] 或单击项目以播放视频。

复制

可以复制录制视频。可用选项包括：CD/DVD、EXE 和 AVI。
只有具有在安全设置中授予的适当权限的用户才能复制视频。
要进行复制，请按前面板或遥控器上的 [COPY] 按钮，或单击“功能”菜单栏中的 < 功能 >。

 ■ 以 <EXE> 或 <CD/DVD> 格式复制的文件只能使用随文件自动复制的小型播放器播放。

CD/DVD

可以使用 DVR 可自动识别的 CD/DVD 进行复制。



- 类型：选择 CD/DVD。使用前面 [▲▼] 按钮或鼠标滚轮选择 CD/DVD。按住 [ENTER]，然后使用 [▲▼] 按钮或鼠标滚轮更改设置。
- 频道：可以从 4 个频道中选择一部分或全部频道。选择频道位置，然后按 [ENTER]。还可使用鼠标滚轮进行相同操作。
- 从：指定复制的开始时间和日期。可以使用前面板或遥控器上的 [▲▼] 按钮，或鼠标滚轮进行此操作。
- 到：指定复制的结束时间和日期。可以使用前面板或遥控器上的 [▲▼] 按钮，或使用鼠标滚轮进行此操作。
- 选择磁盘：选择用于复制的介质。
- 开始：开始复制。按 [ENTER] 作为 < 开始 > 按钮或只需单击选定的介质以开始复制。
- 估计大小：此功能可粗略估计要复制的数据大小。对于 1 小时以下，它以 1MB 为单位计算内在占用量，对于 1 小时以上，它以 256MB 为单位计算内在占用量。

EXE

可以使用 USB 存储器进行复制。

可以使用小型播放器来播放文件。选择频道位置，然后按 [ENTER]，或使用鼠标滚轮进行选择。

- ! ■ 不支持 USB 类硬盘。



- 类型：选择 EXE。使用 [▲▼] 按钮或鼠标滚轮选择。
- 频道：要显示频道选择对话框，请移至频道，然后按 [ENTER] 或使用鼠标滚轮打开对话框。
- 复制频道列表：您可以选择一些频道或所有频道。从频道列表中选择频道位置，然后按 [ENTER]。还可使用鼠标滚轮进行相同操作。
- 从：指定复制的开始时间和日期。选择要更改的项目，然后使用 [▲▼] 按钮或鼠标滚轮更改设置。
- 到：指定复制的结束时间和日期。这与指定开始时间一样。

搜索和播放

- 选择磁盘：选择用于复制的介质。移至所需的磁盘，然后按 [ENTER] 或单击。
- 开始：开始复制。按 [ENTER] 或单击。
- FAT32 格式化：如果继续工作之前未以 FAT32 格式化 USB 存储器或硬盘，请执行格式化操作。按 [ENTER] 或单击以开始格式化。



■ 未 100% 完成的复制文件无法在 PC 上正确播放。

- 估计大小：此功能可粗略估计要复制的数据大小。对于 1 小时以下，它以 1MB 为单位计算内在占用量，对于 1 小时以上，它以 256MB 为单位计算内在占用量。

MiniPlayer

小型播放器是随 CD、DVD 或 EXE 复制一起复制的专用工具。

您可以在 Windows 模式中根据喜好更改 Miniplayer 的分屏模式。双击分屏以切换到单一模式。

“过滤”功能包括调整显示设置。您可以调整屏幕图像的亮度和对比度。另外，播放器底部还有与播放相关的按钮。



控制 MiniPlayer



项目		说明
分步快退		后退一步
快退		以 x1 的速度反向播放
暂停		暂时停止播放
播放		以 x1 的速度播放
分步快进		前移一步
图像保存		保存图像
图像打印		打印图像
打开文件		打开选定的文件
音频开 / 关		收听 / 停止播放音频
显示上一组		移至上一分屏模式或单一模式
显示下一组		移至下一分屏模式或单一模式
音频音量		控制音频音量
复制时间		显示复制时间

搜索和播放

AVI

这使您可以在 USB 存储器中复制一些选定的频道。

! ■ 不支持 USB 类硬盘。



- 类型：选择 AVI。使用 [▲▼] 按钮或鼠标滚轮选择。
- 频道：选择要复制的频道。使用 [▲▼] 按钮或鼠标滚轮选择。
- 从：指定复制的开始时间和日期。使用 [◀▶] 按钮移至时间或年项目。使用 [▲▼] 按钮更改时间 / 日期。如果使用鼠标，单击某个点进行更改并使用滚轮更改设置。
- 持续时间：指定复制持续时间。从开始时间复制到指定时间。使用 [▲▼] 按钮或鼠标滚轮更改设置。
- 选择磁盘：选择用于复制的介质。移至所需的磁盘，然后按 [ENTER] 或单击。
- 开始：开始复制。按 [ENTER] 或单击以开始复制。
- FAT32 格式化：如果继续工作之前未以 FAT32 格式化 USB 存储器或 eSATA 硬盘，请执行格式化操作。按 [ENTER] 或单击以开始格式化。
- 剩余容量：此功能可粗略估计要复制的数据大小。对于 1 小时以下，它以 1MB 为单位计算内在占用量，对于 1 小时以上，它以 256MB 为单位计算内在占用量。

! ■ 如果 PC 无法播放复制的文件，则必须在 PC 上安装集成编解码器。

web viewer

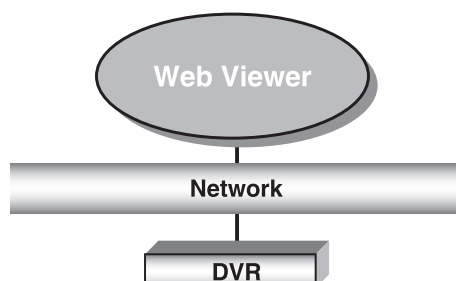
WEB VIEWER 概述

什么是 Web Viewer?

Mobile Viewer 是一个管理软件，它可让您远程连接至 DVR（数字录像机）并实时控制视频播放和 PTZ 操作（如果已配置）。

主要特性

- 通过默认浏览器远程访问
- 支持 1~4 频道（最多 4 部摄像机）
- 以 JPEG 或 BMP 格式保存，方便打印或存储。（播放模式）
- AVI 格式录制内容与商业媒体播放器相符（需要集成编解码器）



系统要求

运行 Web Viewer 的最低要求如下所示。

操作系统	Windows XP Professional Windows Vista Home Basic / Premium Windows 7 DirectX 9.0 或更高版本
Web 浏览器	Internet Explorer 6.0 或更高版本
CPU	Core 2Duo 2.66GHz
RAM	2GB 或更高
VGA 内存	512MB
硬盘	200GB 或更多



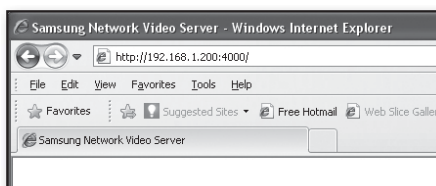
在下列情况下，您将看到消息“资源不足”。然后，您只能以较低的帧速率监视视频，直到重新连接 Web Viewer 为止。

- 如果由于运行 Web Viewer 的计算机规格不足而不能保证 Web Viewer 可以正常操作
- 如果其他正在运行的程序降低 Web Viewer 的性能
- 或者如果 DVR 未稳定连接至网络
- 由于 DVR 的带宽限制而不能保证网络性能
- 如果计算机规格低于 Core 2 Duo 2.66GHz（最低要求），计算机将无法满足不同播放速度。

web viewer

连接至 WEB VIEWER

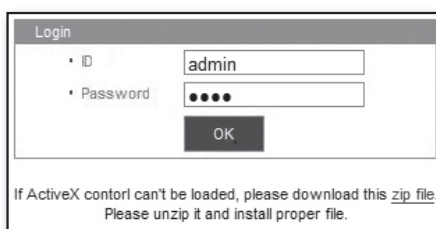
1. 打开 Web 浏览器并在地址栏中输入 IP 地址和端口号（在 DVR 中指定）。地址的格式类似于“http://192.168.1.200:4000”。如果您更改默认端口号（4000），请在端口输入框中输入新的端口号。（第 43 页）



2. 对于管理员帐户，请提供 DVR 的管理员 ID 和密码。
已注册用户应该提供 DVR 的用户 ID 和密码。



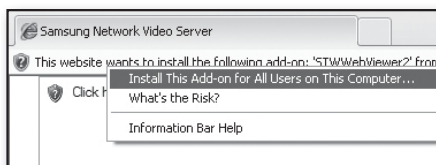
- Web Viewer 最多允许 10 个同时用户，包括管理员。
- 管理员帐户的默认密码是“4321”。
- 管理员和已注册用户各自的密码可在 DVR 的 <安全> 菜单中更改。
- DVR 设置将优先于所有其他设置。



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

3. 下载登录对话框底部的 <zip 文件>。将其解压缩。
4. 从解压缩的文件 <vcredist_IA64.EXE>、<vcredist_x64.EXE> 和 <vcredist_x86.EXE> 中，选择适合您的计算机的文件。
 - vcredist_IA64.EXE：适合具备 Intel Itanium 64 位 CPU 的计算机。
 - vcredist_x64.EXE：适合具备 Xeon 64 位 CPU 的计算机。
 - vcredist_x86.EXE：适合具备 32 位 CPU 的普通计算机。

5. 单击 <安装 ActiveX 控件 (C)>。
下载 Active-X 控件可能需要几分钟，视计算机的安全设置而定。



6. 单击 <安装 (I)>。
7. 安装便已完成。
您将看到 Live Viewer 的主屏幕。



使用 LIVE VIEWER

在登录页面中提供用户 ID 和密码。如果信息通过验证，您将移至监视页面。在监视页面中，可以实时查看摄像机视频并控制 PTZ 摄像机、继电器、收听音频和麦克风，这些根据您的权限级别连接。

Live Viewer 总览

如果您打开 Web Viewer，Live Viewer 将显示在开始屏幕中。
如果您要打开另一个 Viewer，请单击右上角中的 <LIVE>。



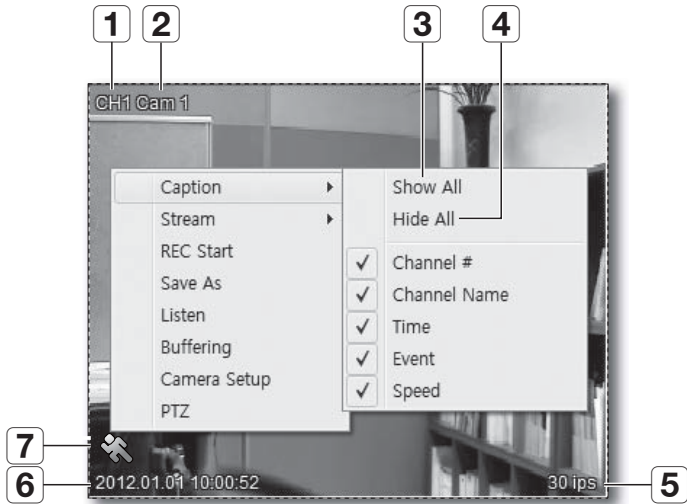
项目		说明
1	连接信息	将会显示通过 IP 地址连接的 DVR。
2	选择 Viewer	从 <LIVE>、<SEARCH> 和 <ABOUT> 中选择一个 Viewer。
3	屏幕模式	切换到分屏模式或全屏。
4	连接状态	将显示已连接 DVR 的 IP 地址和型号名称。
5	CHANNEL	显示视频输入频道。

web viewer

项目		说明
6	SENSOR IN	显示传感器输入频道。
7	SENSOR OUT	显示传感器输出频道。
8	MIC	指定使用麦克风。
9	日志	显示事件日志。
10	显示窗格	显示来自连接至 DVR 的摄像机的视频。

OSD 信息

将光标放置在频道屏幕上，右键单击任何区域便可以显示上下文菜单，您可以从中选择在 OSD 屏幕上显示或隐藏信息。



项目		说明
1	频道编号	显示频道编号。
2	频道名称	显示频道名称。
3	Show All	显示所有 OSD 信息。
4	Hide All	隐藏所有 OSD 信息。
5	速度	显示网络流的传输速率。
6	时间	显示 DVR 的系统时间。
7	事件	显示适合所发生事件的图标。

分屏模式

单击所需数字图标以切换至分屏模式。

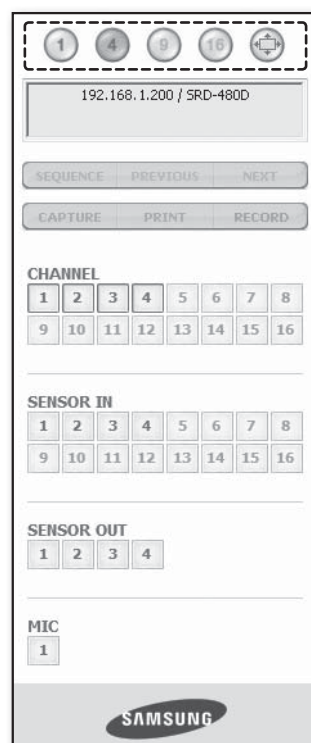


1 分屏模式



4 分屏模式

- 单击 < 1 >。
“1 分屏模式”将显示来自连接至 DVR 的摄像机的视频。
- 对于全屏模式，<Show in Original Size> 将会出现，并且选择它会在屏幕上以原始分辨率显示流。
如果流的分辨率大于显示器的分辨率，它会适合全屏模式的屏幕分辨率。
- 单击 < 4 >。
“4 分屏模式”将显示来自连接至 DVR 的摄像机的视频。
- 单击 < 16 >。
将以“全屏”模式显示来自连接至 DVR 的摄像机的视频。



全屏

要返回到前一种模式，请右键单击以在上下文菜单中选择 <Restore Window>。



web viewer

已连接的 DVR

显示连接的 DVR 的 IP 地址和状态。

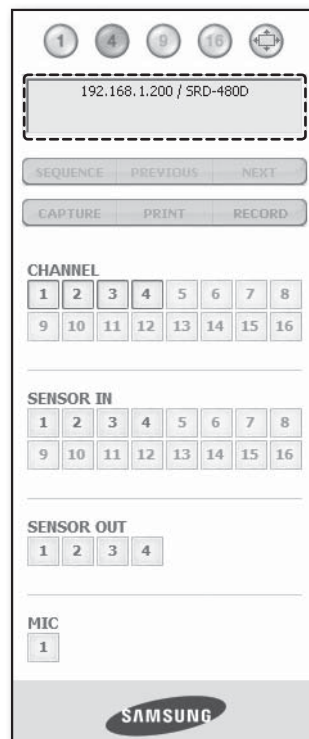


■ 连接失败消息

无响应：当 DVR 不响应时显示

不允许连接：如果并行用户数超出限制时显示

- 并行用户的最大数目为 10。



频道连接

可以打开或关闭频道连接。

可用的频道将标记为蓝色。如果选择了某个频道，该频道按钮的边框将变成蓝色，并且将会播放来自该频道的视频。



- 如果您单击已连接频道的按钮，当前视频将断开连接，屏幕将变成黑色。

传感器输入

如果 DVR 发生传感器事件，则会显示此图标。

如果发生传感器事件，传感器图标将变成红色，并且传感器编号将显示在屏幕上。如果未发生传感器事件，图标将保持蓝色。

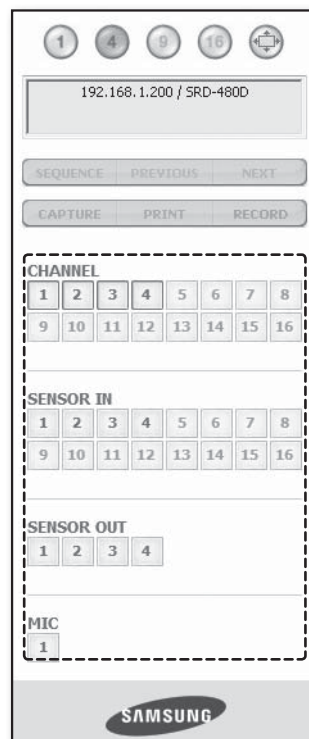
传感器输出

可以打开或关闭继电器。单击要激活的继电器的数字按钮。继电器将会打开，并且按钮变成蓝色。

不活动的传感器输出按钮表示 DVR 不支持它们。

要激活继电器，您必须具有该权限。

有关更多信息，请参阅继电器用户权限。（第 51 页）



麦克风

可以打开或关闭麦克风。它默认为“关”。如果您单击该按钮，它将变成蓝色，表示它已准备就绪，可以使用。传入麦克风的音频信号将输出到 DVR 的输出端口。

事件信息

在监视屏幕底部显示所发生事件的实时信息。

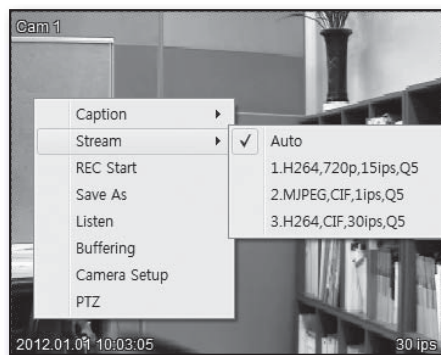
Time	Event	Message
2012.01.01 09:10:57	3 On	CH3 - Motion Detected
2012.01.01 09:10:57	1 On	CH1 - Motion Detected
2012.01.01 09:10:57	2 On	CH2 - Motion Detected
2012.01.01 09:10:57	4 On	CH4 - Motion Detected
2012.01.01 09:10:54	3 On	CH3 - Motion Detected
2012.01.01 09:10:54	1 On	CH1 - Motion Detected

选择流

1. 在当前监视屏幕上，选择要录制的频道。
2. 右键单击以显示上下文菜单，然后选择 <Stream>。
3. 选择所需的视频流。

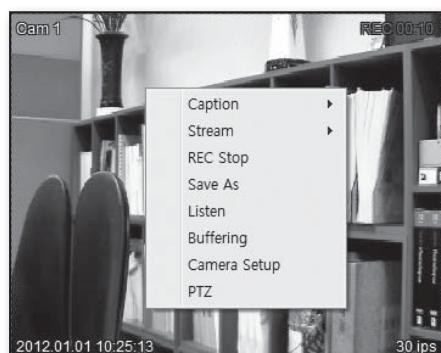


- 在下列情况下，可能会以低于要求的帧速率播放视频：
 - 带宽不足、计算机性能低、并行用户数超过 3 个或服务器正在进行播放/备份



进行录制

1. 在当前监视屏幕上，选择要录制的频道并右键单击它。
2. 在上下文菜单中，选择 <REC Start>。
最多可以录制 10 分钟。对于快速录制，录制时间将显示在屏幕上。
 - 开始 10 分钟后，录制将自动结束。



3. 在录制期间，右键单击以显示上下文菜单，然后再次选择 <REC Stop>。
录制将会停止。系统会提示您保存录制文件。您可以重命名录制文件并将它保存在您选择的目录中。



- 文件将以 “*.avi” 格式录制。

web viewer

保存视频

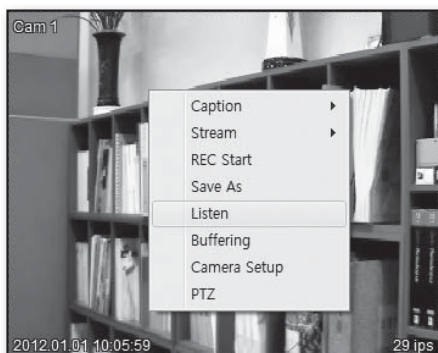
视频图像可以 jpg 和 bmp 这两种格式保存，它们是以 1 帧保存的当前监视屏幕的视频剪辑。

1. 如果您要保存视频，请选择要保存其视频的频道，然后右键单击它。
2. 从上下文菜单中，选择 <另存为>，指定保存路径，然后单击 <保存(S)>。
3. 要检查视频，请打开保存目录，双击视频剪辑以播放它。

收听声音

如果音频信号与频道同步，则您可以收听来自频道的音频信号。

1. 要播放音频，请选择频道并右键单击它。
2. 从上下文菜单中，选择 <Listen>。



缓冲

选择“缓冲”功能将使视频顺畅，因为它会以原始视频的相同帧速率显示视频。

缓冲将使视频顺畅并减少视频延迟。

不过，如果帧速率低于 15，则在顺畅方面差异不大。

另外，缓冲会使视频延迟提高约 1 秒。

摄像机设置

1. 要更改摄像机设置，请选择频道，然后单击鼠标右键。
2. 从弹出菜单中，选择 <Camera Setup>。
3. 单击屏幕上显示的菜单导航按钮，以移至所需的菜单项。



- 仅当在摄像机和 DVR 之间建立了串行通信时，摄像机菜单设置才可用。（第 23 页）

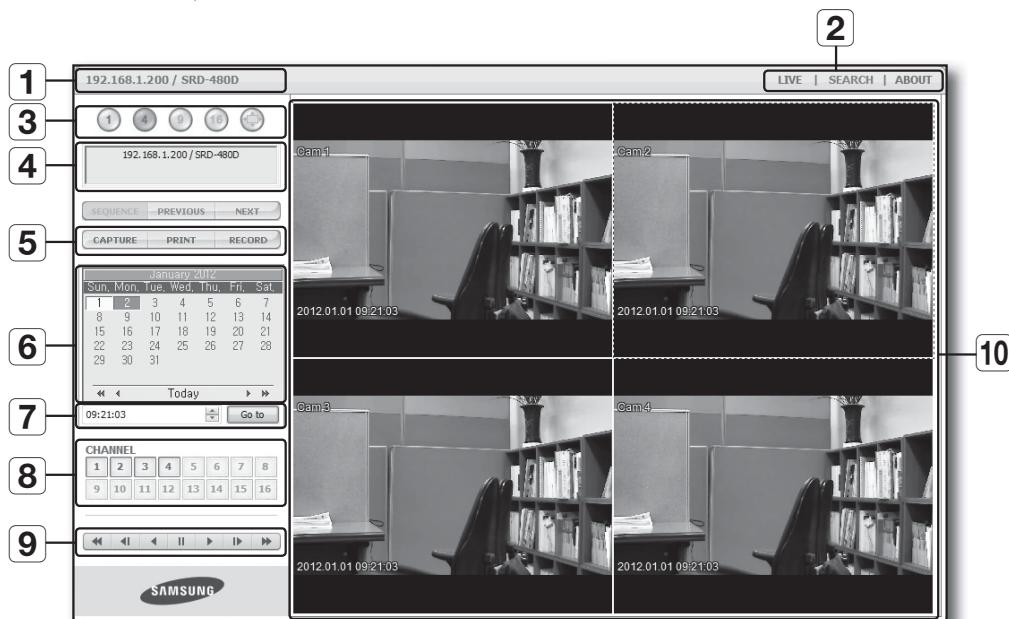


使用 SEARCH VIEWER

通过 Search Viewer，您可以播放录制视频。但是，您必须具有管理员帐户或您的帐户已获得 SSSqHDDSSSq 权限授权。

Search Viewer 总览

要移至 Search Viewer，请单击 Viewer 屏幕右上角中的 <SEARCH>。



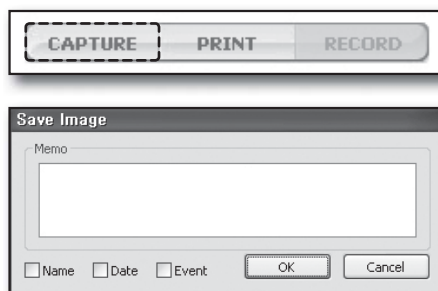
项目	说明
1 连接信息	将会显示通过 IP 地址连接的 DVR。
2 选择 Viewer	从 <LIVE>、<SEARCH> 和 <ABOUT> 中选择一个 Viewer。
3 屏幕模式	切换到分屏模式或全屏模式。
4 连接状态	将显示已连接 DVR 的 IP 地址和型号名称。
5 保存图片	抓拍或打印当前视频。
6 日历	搜索日期，如果它包含任何录制数据则可以予以标记。
7 时间	指定搜索的时间并移至适用的时间线。
8 频道	显示视频输入频道。
9 播放调整	调整当前视频的设置。
10 显示窗格	播放搜索发现的视频。

web viewer

抓拍

可以捕获当前视频，以 .bmp 格式保存。

1. 选择要捕获的频道。
2. 单击 <CAPTURE>。
“Save Image” 对话框将会出现。
3. 输入备忘录或提供频道名称、日期和事件信息。
4. 单击 <OK> 并指定保存路径。



打印

可以使用连接至计算机的打印机打印当前视频图像。

1. 选择要打印的频道。
2. 单击 <PRINT>。
“Print Image” 对话框将会出现。
3. 必要时输入备忘录，然后单击 <OK>。
将会打印视频图像，包含打印日期、频道名称、录制日期、事件和备忘录。



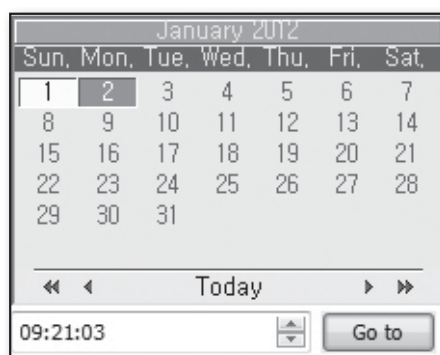
- 如果打开用户访问控制 (UAC), 则 Web Viewer 不能访问打印机。如果打开 UAC 并通过按 <PRINT> 按钮尝试打印捕获的场景，消息 “User Access Control is detected. To use the print function, you should set the UAC low.” 将会出现。按 OK 可关闭该文件，但是不会打印。要使用打印功能，需要关闭 UAC，或者以管理员的身份启动 Internet Explorer。



移至搜索时间和日期

包含录制数据的日期将处于活动状态并显示为黑色。您可以选择包含录制数据的日期并播放视频。

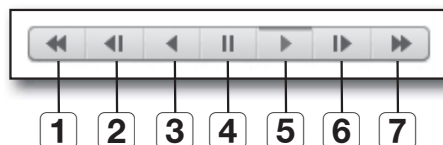
1. 使用日历，选择要搜索的日期。
2. 指定时间。
3. 单击 <Go to>。
播放该特定时间和日期的视频。



水印

- 未篡改：这表示视频是原始的。
- 已篡改：这表示原始视频已被某人篡改。

使用播放按钮栏



项目		说明
1	快退	向后播放视频。
2	往后移动一帧	反向逐帧播放。
3	反向	反向播放视频。
4	冻结	临时停止播放当前视频。
5	播放	以正常速度播放视频。
6	往前移动一帧	正向逐帧播放。
7	快进	正向播放视频。

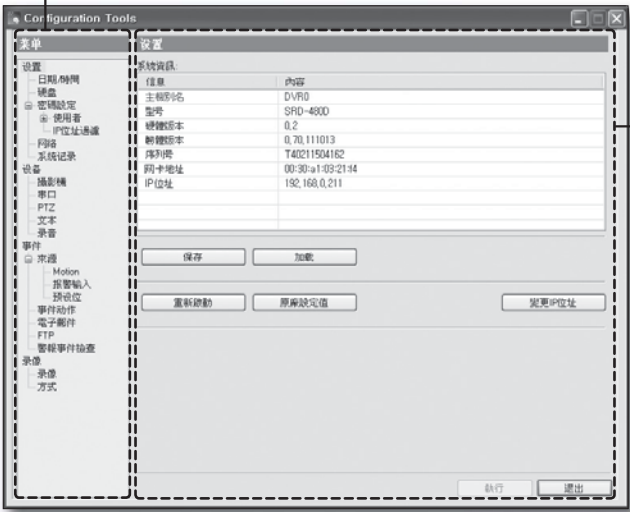
SmartViewer

SETUP VIEWER

打开 Smart Viewer 并单击右上角中的 [] 按钮。
打开 Smart Viewer 并移至 < 设备菜单设置 >，您可于其中远程配置 DVR 设置。

使用 Setup Viewer

这将显示 DVR 菜单项。如果您单击某个菜单项，您将移至该项目的设置页。



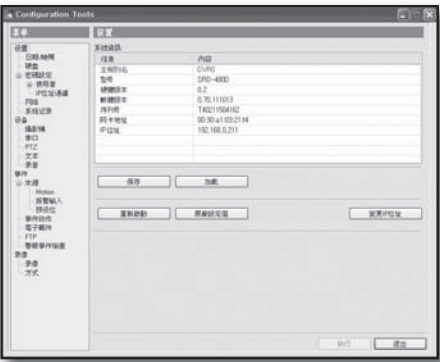
如果您在设置页中更改设置，底部的 < 应用 > 按钮将处于活动状态。按该按钮以应用更改。
在任何设置页中进行更改之后，必须按 < 应用 > 才能应用更改。

系统设置

系统

系统信息

显示 DVR 的系统信息。对于蓝色的项目，可以双击来更改设置。完成后，单击 < 应用 > 以应用更改。



导入和导出

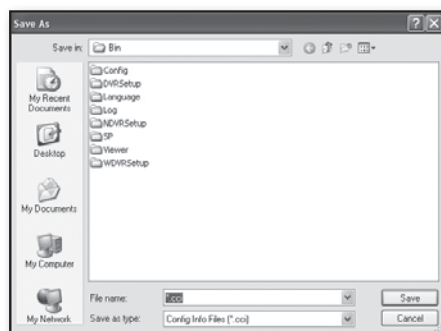
- 保存：您可以将所选 DVR 的配置信息保存为文件。
- 加载：您可以使用已录制文件来为其他 DVR 配置相同设置。如果您要将相同的设置应用于多个 DVR，此功能将很有用。不过，仅当那些 DVR 具有相同的软件版本和型号类型时，才能执行此操作。



- 在导入或导出配置文件之前，必须向 Smart Viewer 注册 DVR。

导出配置

如果您单击 < 保存 >，您将看到一个窗口，可在其中指定配置的保存路径。根据偏好命名导出的文件。



导入配置

单击 < 加载 > 以打开“导入向导”。从列表中选择“*.cci”格式的文件。然后，将会显示所选文件的信息，例如产品类型、硬件类型和软件版本。检查信息，然后单击 < 下一步 >。



选择是要从相同设备、相同型号类型导入还是导出配置。



SmartViewer

如果是相同设备，将会立即保存配置文件。
提供管理员密码，然后单击 <完成>。将会导入配置文件。



完成后，您将看到“已完成”消息，并且 <完成> 按钮将处于活动状态。

- 重新启动：用来重新启动 DVR。
- 恢复出厂设置：将当前设置恢复为出厂默认值。
- 更改 IP：用来更改 DVR 的 IP。



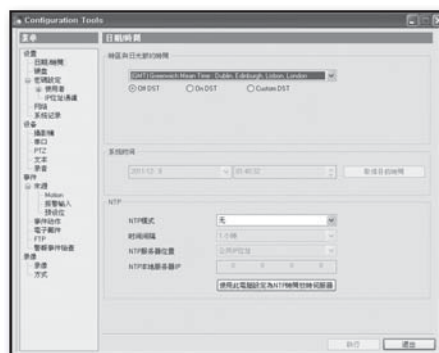
■ 即使您重设 DVR，系统时间和日期以及网络设置将不受影响。



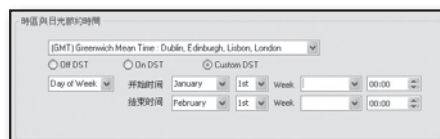
日期/时间

日期和时间

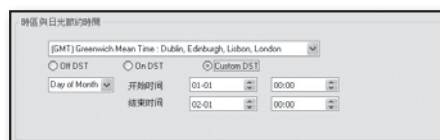
- 時區與日光節約時間：此菜单将与时区设置同步。即，如果在“时区”菜单中选择将应用 DST 的区域，则会自动将 DST 设置为“开”。否它，它将设置为“关”。如果您要配置您自己的 DST，而不考虑标准时区和 DST，请选择 <Custom DST>。如果选择 <Custom DST>，则会显示“自定义 DST”菜单。
- 系统时间：显示 DVR 的系统时间和日期。只能在个别 DVR 的适用菜单中更改系统时间。



- 自定义 DST 包含两个选项：“Day of Week”和“Day of Month”。在“Day of Week”中，指定 DST 的开始时间及结束时间的月、周、星期几和时间。



- “Day of Month”需要您指定 DST 开始时间及结束时间的月、天和小时。



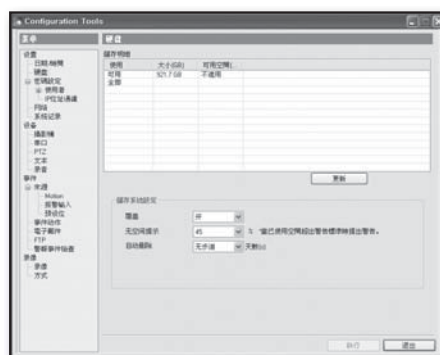
NTP 设置

NTP（网络时间协议）用于基于设备同步网络设备之间的时间。

- 模式：从服务器 / 客户机 / 两者中选择一个。在“服务器”模式中，DVR 本身是提供时间的基础；在“客户机”模式中，时间将从时间服务器传播。在“两者”模式中，DVR 同时是服务器和客户机。
- 时间间隔：指定在 NTP 模式设置为“客户机”时，接收时间信息的时间间隔。（1/3/6/12/24 小时。）
- IP 类型：如果 DVR 从 Internet 上的公共 NTP 获得时间信息，请选择“公共 IP”；如果 DVR 从指定的 NTP 服务器获得时间信息，请指定“本地 IP”。
- 本地 IP：如果将 IP 类型设置为“本地 IP”，请提供 NTP 服务器的 IP。

磁盘

DVR 会显示内部硬盘的存储信息，例如硬盘的总容量和剩余容量。



SmartViewer

用户

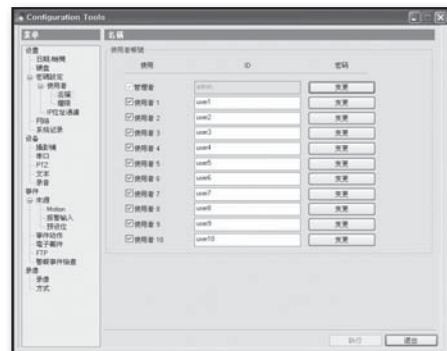
帐户

DVR 帐户分为两类：用户和管理员。管理员帐户可访问 DVR 的所有功能，毫无限制。您最多可以添加 10 个用户，每个用户只能在授予的权限范围内访问 DVR。

- 管理员密码：默认管理员密码是“4321”，可以更改。如果要更改该密码，请为新密码提供 12 位数字。
- 用户密码：所有用户密码都相同，都是“1111”，可以更改。
- 变更：选择要更改的用户密码。

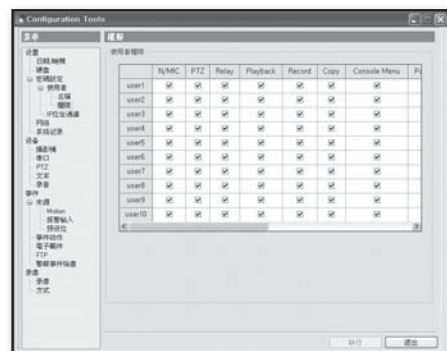


- 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改密码。请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。



授权

可以设置每个用户的权限，以便用户可以使用允许的菜单。



IP 位址过滤

通过 IP 过滤功能，您可以允许或拒绝从 DVR 访问特定 IP。访问权将仅授予列出的 IP；拒绝意味着访问权将授予给列出 IP 以外的 IP。最多可以将 10 个 IP 添加至列表，所有 IP 都设置为“允许”或“拒绝”。



网络

以太网网络连接

如果使用动态 IP，请选择 <使用 DHCP>。如果位于使用静态 IP 的环境中，请提供已分配的 IP、子网掩码、网关和 DNS 服务器地址。



- 有关静态 IP 设置的更多信息，请咨询网络管理员或 IPS 服务提供商。

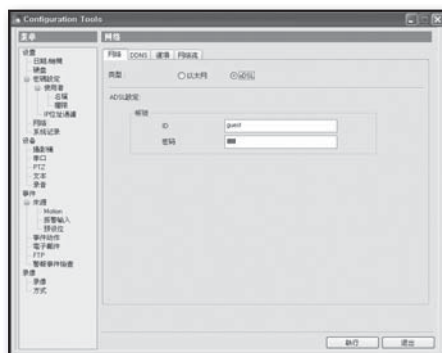


xDSL 网络连接

如果您的网络使用 xDSL，请选择 xDSL 并提供用户 ID 和密码。



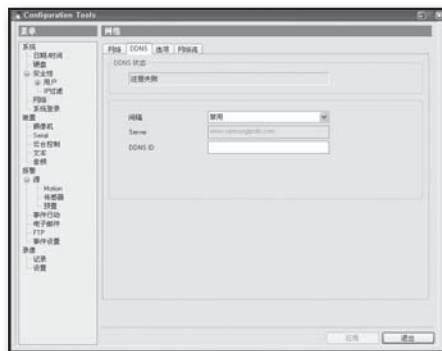
- xDSL 只能通过 PPPoE 协议使用。
- 如果您配置 xDSL 类型的网络设置，则必须指定 WRS。（但是，如果您使用的是静态 IP，则此项不适用）
- 根据 xDSL 类型更改网络设置。不过，这在以太网网络环境中不可用。
- 用户帐户和密码从 xDSL ISP 服务提供商中提供。
- 即使网络线路是 xDSL 类型，在使用调制解调器时也必须将网络环境设置为以太网。



DDNS

如果使用动态 IP 将 DVR 连接至网络，则用户找不到分配给 DVR 的 IP。如果发生这种情况，请向 DDNS 服务注册 DVR。DVR 会在每个时间间隔将已分配的 IP 添加至 DDNS 服务器。可以使用添加至 DDNS 服务器的动态 IP 列表来连接至 DVR。

- 时间间隔：指定使用动态 IP 更新 DDNS 服务器的时间间隔。在频繁更改 IP 的网络环境中，建议将此项设置为一分钟。（关 / 1 分钟 / 1 小时 / 3 小时 / 6 小时 / 12 小时 / 24 小时）
- 服务器：Samsung Techwin 运行的 DDNS 服务器是 "www.samsungipolis.com"。
- DDNS ID：提供向 DDNS 服务器注册的 IP。



设备设置

摄像机

视频频道设置

可以指定每个频道的基本信息、亮度和对比度。
频道号码 (CH1, CH2, CH3, CH4) 表示每个视频的频道号码。

频道信息

- 活动：指定使用该频道。
 - 频道名称：提供频道名称。



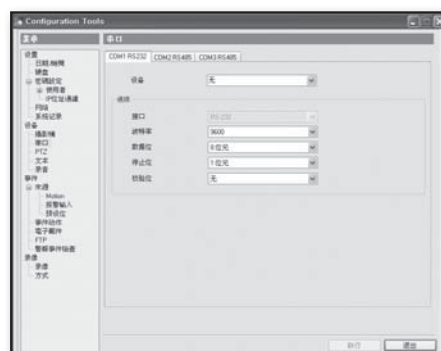
串行端口

在“COM 端口”页面中，配置每个 COM 端口的通信设置并选择要使用的设备。
将会存在与 COM 端口相同数目的选项卡，并且选项卡编号对应于 COM 端口编号。

选择要连接至串行端口的设备

可以连接至串行端口的设备类型包括：PTZ、键盘和文本。

- PTZ：如果您要连接 PTZ 设备，请选择此项。选择此选项可以底部显示详细信息。选择适用的 PTZ 设备。如果您跳到 PTZ 设置页面，请单击“执行”。
- 键盘：如果要连接键盘，请选择此项。如果选择此项，键盘设置菜单将显示在底部。选择适用的键盘。
- 文本：如果要连接文本设备，请选择此项。如果您跳到文本设置页面，请单击 < 执行 >。



SmartViewer

PTZ

选项卡编号指示频道编号。根据此编号，PTZ 设备将连接至特定频道。

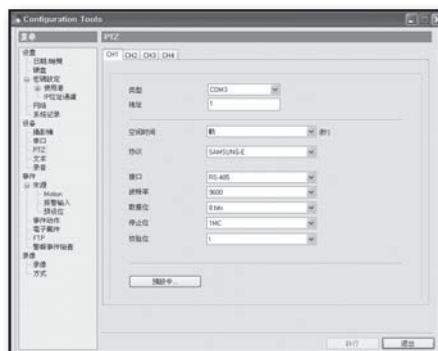
PTZ 设置

只能在 COM 端口页面中设置启用 PTZ 之后，才能更改 PTZ 设置。

- 类型：选择连接至 PTZ 设备的串行端口。
- 地址：指定 PTZ 设备的地址。必须参考 PTZ 设备设置以获得地址。
- 空闲时间：如果在空闲时间未检测到 PTZ 操作，您将移至预设。
- 接口、波特率、数据位、停止位、奇偶校验位：在所有设备上配置这些设置以与各自的项目相匹配。



- 如果连接 PTZ 设备，则必须先在“频道”和“设备”选项卡中配置相关设置。



预设设置

按 < 预设 > 按钮以打开预设设置窗口。

- 录制 / 删除预设：从列表中选择要录制的预设，并移至所需的视频点。提供预设名称，然后按 < 设置 >。
- 在列表中选择预设，然后按 < 清除 > 按钮。将会删除预设。



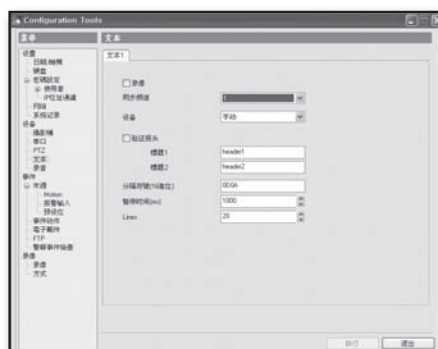
- 如果要控制 PTZ 操作，请打开上下文菜单，然后选择“PTZ”。
 - 当 PTZ 项目处于活动状态时，请将光标放置在视频中。您将会在视频上看到十字线。然后，您可以控制平移 / 倾斜操作。
 - 将光标移至视频的任一侧。“变焦”控件将显示在左侧，而“聚焦”控件将显示在右侧。
- 启用预设：要启用预设，请选中列表中的预设复选框以激活它。



文本

选中“保存”复选框并选择要同步的频道。

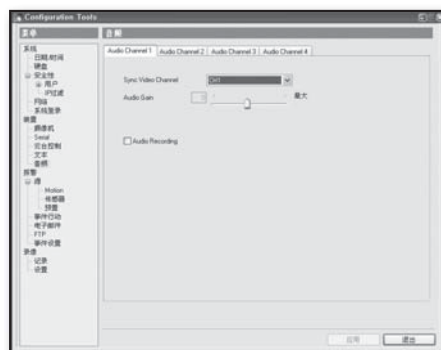
如果要同步的设备是“VSI Pro”，请仅设置该设备。对于其他设备，请将“设备”设置为“手动”，然后指定所有子项目。



音频

音频信号可以与任何可用的频道配对。

- Sync Video Channel : 设置为要将音频输入链接至的频道。如果将频道 1 音频链接至视频频道 4, 则在选择频道 4 时, 将产生频道 1 的音频输入。
- Audio Gain : 使用 +、- 来调节所需音量。
- Audio Recording : 设置是否保存音频设置。



事件设置

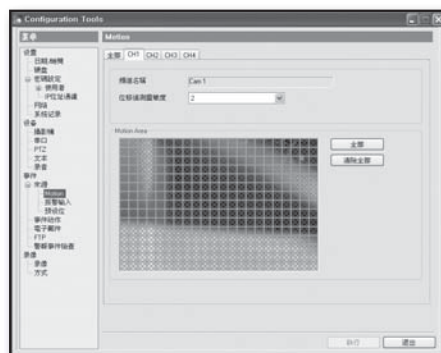
源

Motion

选择是否针对每个频道激活动态侦测。

可以在“动态侦测灵敏度”项目中选择灵敏度级别。

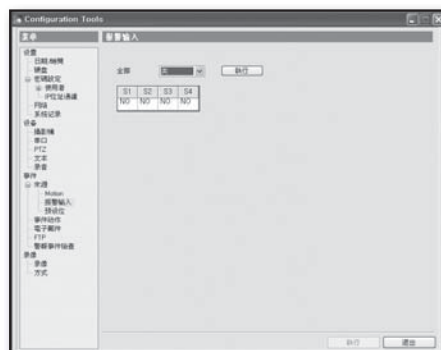
如果将它设置为 < 无 >, 将不会探测来自该频道的任何动态。级别越高, 动态侦测就越灵敏。



传感器

指定传感器类型。最多可以添加 4 种传感器类型。

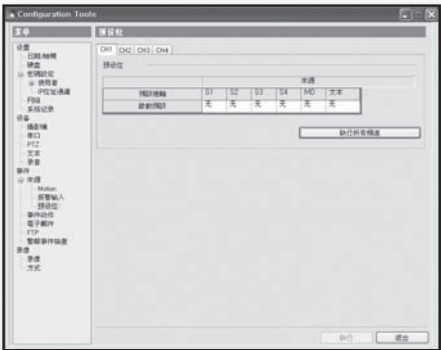
(NC : 正闭触点, NO : 常开触点, 关)



SmartViewer

预设

您可以指定移动、传感器或文本事件的预设。
您可以设置每个频道的预设。

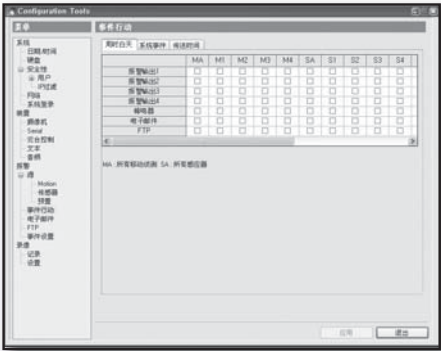


事件动作

在此页面中，根据传入事件指定操作。
默认情况下，DVR 提供 4 个继电器、蜂鸣器、电子邮件和 FTP 传输。您可以操作与事件（例如传感器输入或动态侦测）同步的 DVR。

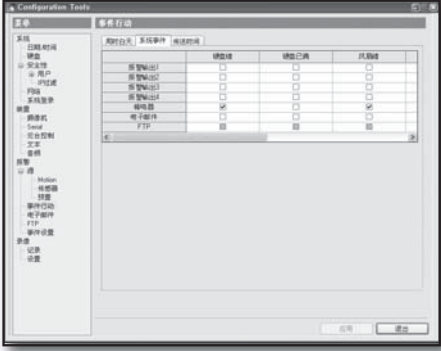
正常事件

您可将一般事件源设置为 4 个传感器、
4 个动态侦测、4 个视频丢失和文本之一。



系统事件

作为系统事件源，您可以设置下列各项的某些项目或全部项目：
磁盘错误、硬盘已满、风扇错误、验证失败和 DDNS 注册失败。



传送时间

支持 4 个继电器，可以手动激活，也可以在发生系统事件时激活。

选择事件源并指定持续时间。

要手动激活继电器，请按访问 Smart Viewer 或 Web Viewer 时将活动的继电器按钮。

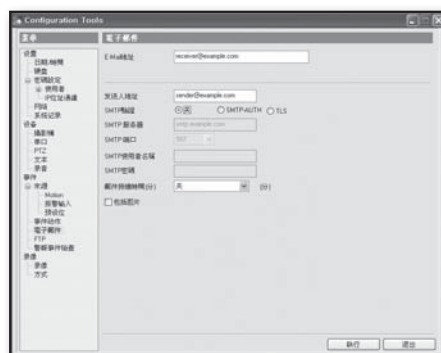
- 蜂鸣器（秒）：如果发生标准或系统事件，蜂鸣器将会发出声音，以便您可以检查事件。
选择事件源并指定持续时间。



电子邮件

无身份验证电子邮件

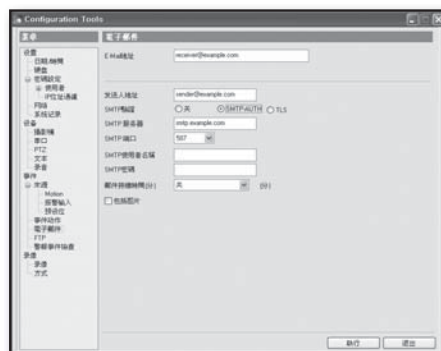
- E-Mail 地址：提供想要接收消息的电子邮件地址。
- 发件人地址：提供有效的（当前使用的或现有的）电子邮件地址。
- 包括图片：如果选中此选项，则在发生事件时要发送的电子邮件将包括事件发生时的事件图像。
如果不选中此选项，则发生事件时会发送电子邮件，但不会附加图像。



SMTP-AUTH / TLS

SMTP 身份验证使用基于 SMTP 的电子邮件地址或帐户来验证电子邮件传输。

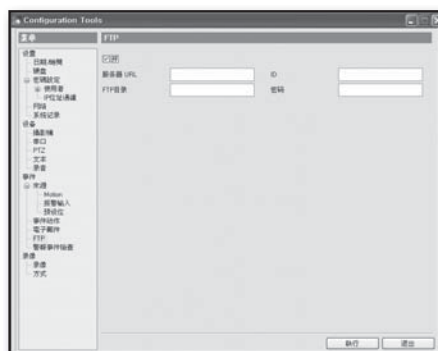
- E-Mail 地址：提供想要接收消息的电子邮件地址。
- 发件人地址：提供有效的（当前使用的或现有的）电子邮件地址。
- 包括图片：如果选中此选项，则在发生事件时要发送的电子邮件将包括事件发生时的事件图像。
如果不选中此选项，则发生事件时会发送电子邮件，但不会附加图像。
- SMTP 服务器：提供发件人电子邮件地址的 SMTP 服务器地址。
- SMTP 端口：选择要在 SMTP 服务器中使用的端口。
从 25 和 587 中选择一个。
- SMTP 用户 ID：提供发件人的 SMTP 帐户 (ID)。



SmartViewer

FTP

- 开：如果想要使用 FTP 传输，请选中此选项。否则，请将其取消选中。
- 服务器 URL：输入 FTP 服务器的地址，当发生事件时，您要将事件图像上传到该 FTP 服务器中。
- 用户 ID：提供为 FTP 服务器指定的用户 ID。
- 密码：输入为 FTP 服务器指定的密码。
- FTP 目录：如果您要在服务器中指定用来保存已传输消息的目录下创建子目录，请选择此项。请在目录名称中使用字符或数字。



事件应用程序

指定要应用事件录制的时间。总共有三个选项：始终、关和时间表。

< 始终 > 会一直识别传入事件。

< 时间表 > 仅在指定的时间识别事件。

如果选择“时间表”，您可以指定特定时间的事件检查时间或星期几，就如制定时间表一样。



记录

记录

时间表 & 事件

“时间表 & 事件”允许您根据特定时间表和事件录制。

指定日期或时间，并在指定时间表之前选择方式。可以选择方式 A 至方式 I。

事件录制可由“传感器”、“动态侦测”、“文本”和“数字输入”触发。

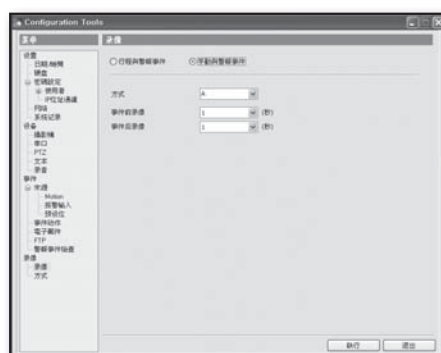


手动 & 事件

在“手动 & 事件”中，可以指定录制条件和注册事件。录制将通过按前面板上的 [REC] 按钮开始。

必须指定方式 A 到 I 以及“事件前录像”和“事件后录像”设置。

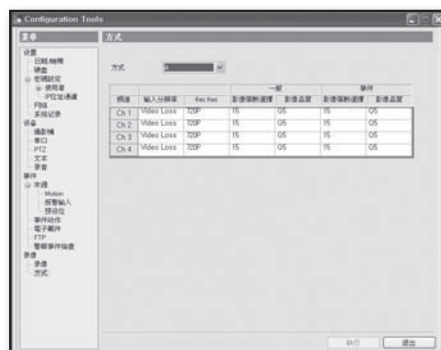
- 事件前录像：最多可以分配 15 秒。
- 事件后录像：最多可以分配 60 秒。



方式

在此页面中，您可以将每个频道的分辨率、帧速率和质量应用于方式 A ~ I。

- 输入分辨率：显示输入分辨率和录制分辨率。
- 帧速率：指出每秒帧数。请选择 0fps 与 30fps 之间的值。
- 质量：对于 1080p，可以选择 Q1 和 Q7 之间的值。对于 720p，可以选择 Q1 和 Q5 之间的值。



附录

产品规格

项目		详细信息
视频	输入	4CH (HD-SDI SMPTE292M)
	分辨率	720p 30fps / 720p 60fps / 1080p 30fps
现场	帧速率	120fps
	分辨率	1920x1080p
	多屏幕显示	1/4/ 序列
性能		
操作系统	嵌入式	Linux
录像	压缩	H.264
	录像速率	1280x720p : 120fps
	模式	1920x1080p : 60fps
		手动 & 事件或时间表 & 事件
	覆盖模式	连续
	警报之前	最多 15 秒 (1/2/3/4/5/10/15 秒)
搜索与播放	报警之后	最多 60 秒 (1/2/3/4/5/6/7/8/9/10/15/20/25/30/35/40/45/50/55/60 秒)
	搜索模式	日期 / 时间、日历、事件搜索、缩略图搜索
	播放功能	正向 (x2, x4, x8, x16, x32, x64) × 仅限 I 帧 反向 (x1, x1/2) × 所有帧 反向 (x1/2, x1, x2, x4, x8, x16, x32, x64) × 仅向 I 帧 逐步向前 / 向后, 在单频道中播放 (I+P 帧) × 所有帧

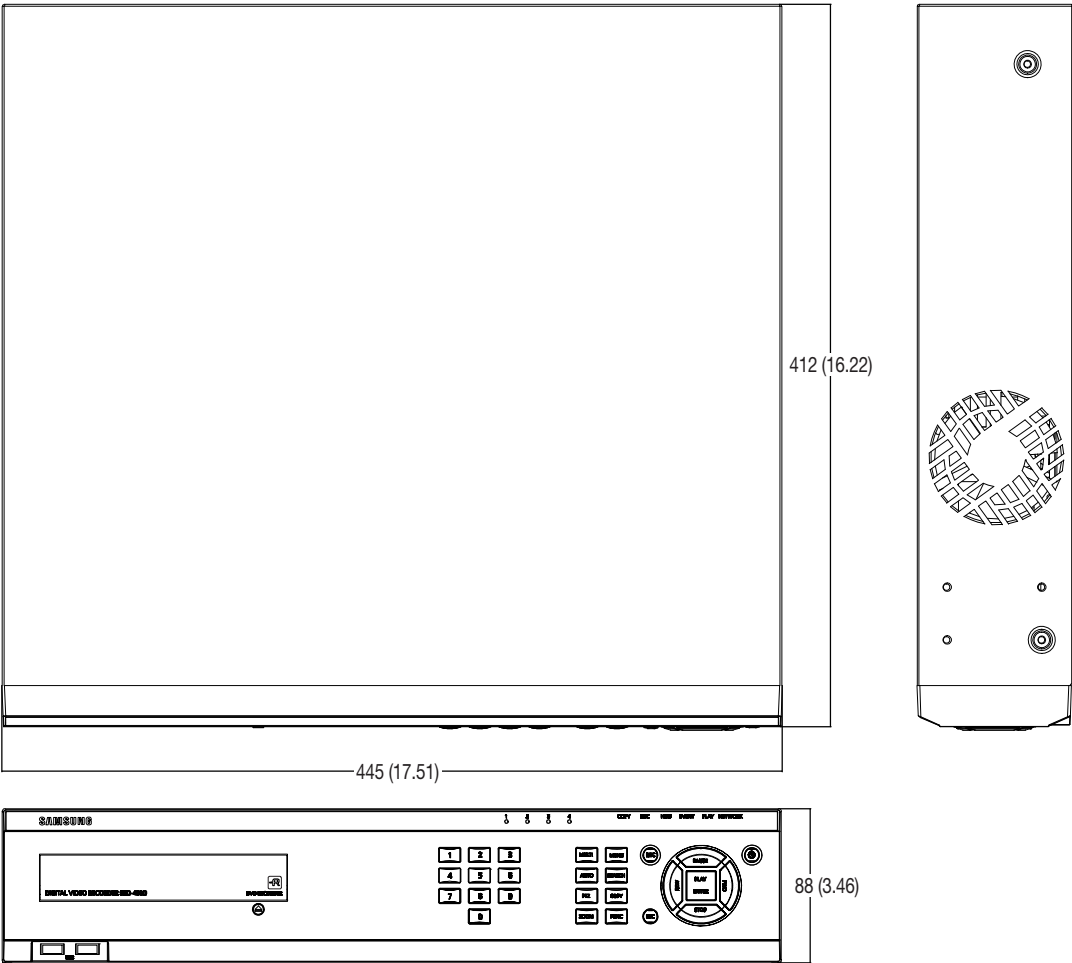
项目		详细信息
网络	传输速度	双编解码器 (CIF120fps/2CIF120fps/4CIF120fps) 单解码器 (720p, 1080p)
	带宽	最高 (15)Mbps, 15M~256kbps
	带宽控制	可选
	流	720p、1080p (录制编码)、4CIF/2CIF/CIF (双编解码器) 可选
	远程用户数	10 个用户 (包括两个用于搜索的用户)
	协议支持	TCP/IP/DHCP/HTTP、PPPoE/DDNS (仅限 iPoLiS) /NTP/SMTP/TLS
	监视	NET-i Viewer、Smart Viewer、Webviewer
存储器	内部硬盘	最多 4 个 SATA (基本 1TB, 最多 2TB x 4EA)
	外部硬盘	SVS-5R (仅限存储器支持), 总计 12TB (内部 + 外部)
	DVD 刻录机 (复制)	是 (DVD-R、CD-R 支持)
	USB (复制)	USB 2.0 (最多 32GB)
	文件格式 (复制)	AVI、EXE (包括播放器)、VFS4 (CD/DVD 复制)
安全	密码保护	1 个管理员, 10 个用户, 可为用户分配功能的权限
	数据验证	水印
接口		
监视器	VGA	1920x1080p 分辨率
	HDMI	1920x1080p 分辨率
	主复合	-
	现场复合	-
	环路输出	-
音频	输入 / 输出	4CH 线性输入 / 1CH 线性输出
	压缩	ADPCM
	采样率	16KHz
警报	输入 / 输出	终端 4 输入 (NO/NC) / 终端 4 个中继输出 (NO/NC)
	远程通知	通过电子邮件进行远程通知

附录

项目		详细信息
连接	以太网	10/100 Mbps 以太网
	串行接口	RS-485, 用于 PTZ、系统键盘 (SPC-6000)
	USB	USB 2.0, 前面 2 个端口
	e-SATA	1 外部 SATA 端口
	应用程序支持	鼠标、远程控制器、Samsung 系统键盘 (SPC-6000)
	PTZ 协议支持	SAMSUNG-E / SAMSUNG-T / PELCO-D / PELCO-P
常规		
电气	输入电压 / 电流	AC 100~240V $\pm$ 10% ; 50/60 Hz, 自动范围调整
	功耗	最大 85W
环境	工作温度 / 湿度	+0 °C 至 +40 °C (+32 °F 至 +104 °F) / 相对湿度 20% 至 85%
机械	尺寸 (W x H x D) 高 (不含腿)	W445 X H88 X D412 毫米 (W17.51" X H3.46" X D16.22")
	重量 (带硬盘)	约 7.3 千克
	机架安装工具套件	2 个
语言		韩国语、日语、中文、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、泰国语、罗马尼亚语、塞尔维亚语、克罗地亚语、匈牙利语、希腊语 (22 种语言)

产品概述

单位：毫米（英寸）



附录

故障排除

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，必要时更换电源。
一些通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。
屏幕上不显示任何内容。	• 请检查 DVR 是否正确连接至摄像机。 • 如果摄像机连接至 DVR 的 HD-SDI BNC 输入端口：请检查摄像机是否支持 HD-SDI 输出。 • 如果摄像机的 HD-SDI BNC 电缆直接连接至监视器的 BNC 端口：请检查监视器是否支持 HD-SDI 输入源。 • 如果使用视频转换器将 HD-SDI 视频转换为 DVI 或 VGA 格式：请检查 HD-SDI 输入视频通过转换器转换后的格式是否符合 DVR 的输出格式。
如果我按下前面板上的 [录像] 按钮，REC 指示灯不闪烁，而且播放器也没有开始录像。	• 检查硬盘上是否有可用的空间以供录像。 • 检查录像模式是否在录像模式设置中设为“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。
“通道”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，“通道”按钮就无法使用。在事件监视屏幕中，按 [ESC] 按钮以退出该屏幕并选择通道。
当我开始日历搜索时，光标不会移到“开始”按钮上。	• 检查您想播放的通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。
当听到报警声时，我按下前面板上的 [ESC] 按钮解除报警，但不起作用。	• 按前面板上的 [MENU] 按钮，按以下方式解除报警： 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”。 2) 解除报警声音：事件录像模式 – 报警（动态侦测 / 视频丢失）– 取消激活报警声音。 3) 解除事件：事件录像模式 – 报警（动态侦测 / 视频丢失）– 将该模式设为“关”。

症状	对策
即使我按下现场屏幕上的 [PTZ] 按钮也无任何反应。	菜单 → 网络 → 远程设备 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。
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。
消息“需要重置日期/时间”显示在屏幕上。	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。
显示“无”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（USB 存储器，eSATA 硬盘）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 DVR 是否支持连接的设备。有关兼容性列表，请联系您购买 DVR 的零售商。
如果使用默认搜索、复制和路由器设置，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。	请联系 DVR 管理员以获得帮助。
PC 或 DVR 无法播放复制数据。	- 在复制期间，不要弹出媒体或关闭 DVR。 - 使用 VFS4（仅限 CD/DVD 媒体）的复制文件和 exe 只能通过专用的 MiniPlayer 播放。 - 以 .avi 格式复制的文件只能在已安装集成编解码器的计算机上播放。
在播放时，我的播放器不能切换到现场模式。	要直接返回到现场屏幕，请按 DVR 前面板或遥控器上的 [■] 或 [ESC] 按钮。

附录

症状	对策
录像不起作用。	• 请确保为要录制的频道传来自摄像机的视频。 • 检查录制模式设置。 • 检查硬盘是否可用于录制。 • 如果设置为“连续”或“事件录制”，请检查录制时间表是否包括当前时间。 • 对于手动录制，请按 [REC] 按钮开始录制。 • 如果事件录制无法录制，请检查侦测设置。
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电池、手册或包装上的此标志表示该产品中的电池不能与其他废弃生活垃圾一同进行处理。标志处的化学符号 Hg, Cd 或 Pb 表示该电池所包含的汞、镉或铅的含量超过 EC 标准 2006/66 的参考水平。如果未能对电池进行正确处理，这些物质可能会对人类健康或环境造成伤害。

为保护自然资源并促进资源再利用，请将该电池与其他类型的垃圾分开，并通过当地的免费电池回收系统进行回收。

用户不可自行更换本产品中使用的可充电式电池。有关更换电池的信息，请联系您的服务提供商。



制造商

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