

SAMSUNG TECHWIN

系统控制器

用户手册

SPC-6000



SAMSUNG

SAMSUNG

系统控制器

用户手册

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请注意，未更改密码导致的安全和其他相关问题，用户自己承担责任。

概述

重要的安全说明

1. 请阅读这些说明。
2. 请您妥善保存这些说明。
3. 请您遵守所有的操作说明。
4. 请您注意所有的警告说明。
5. 请您不要在水源附近运行本机器。
6. 请您用干布清洁本机器。
7. 请您不要堵塞通风口，在装入机器时，请您注意制造商的说明。
8. 请您不要将此机器放置在热源附近，如散热器，炉子或其它发热设备。
9. 请您绝对不要移去双线插头或有接地插头的安全装置，双线插头有两个不同宽度的插塞接点，接地插头有两个插塞接点和第三个接地接点。较宽的插塞接点或附加的接地接点是用来确保您的安全的，如果随同供货的插头规格不适合您的插座，请您委托电工更换适当的插座。
10. 请您正确铺设电源线，使其不会被踩踏和尖角损坏。请您尤其注意插头处，加长电缆和电线延伸到机器处是必须的具备充分的保护。
11. 请您使用制造商推荐的附加设备或配件。
12. 仅可使用厂商指定或随设备出售的运载车、支脚、三脚架、支架或工作台。使用运载车时，请小心避免在移动运载车/设备组合时翻覆。
13. 在雷雨天气或长时间不用的情况下，请拔下本设备的插头。
14. 请您委托具备资格的售后服务人员进行保养工作。出现以下情况时，有必要进行保养，例如当机器被损坏时（如电线或插头损坏），有物体或液体进入到机器内部时机器受到雨淋或潮湿后，机器运行不正常或摔落在地上时。



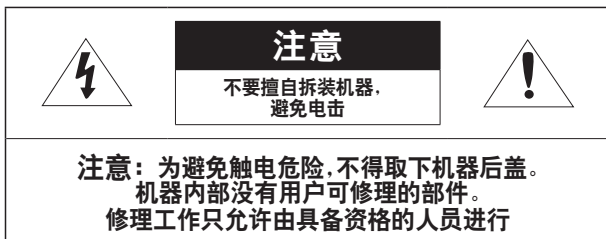
概述

警告

为防止火灾或电击等引起的破坏,不要把产品暴露于水中或潮湿处。请勿穿过设备上的通风栅格或其他开口插入任何金属物体。

请勿将设备放置于滴水或溅水的地方,且勿将装有水的物体(如花瓶)放在设备上面。

注意



图形符号说明



等边三角形内带箭头的闪电符号用于警告用户:产品机壳内存在“危险电压”,其电压量足以对人员构成电击危险。



等边三角形内的感叹号用于警告用户:产品附带的文字中包含重要的操作和维护(维修)说明。

请仔细阅读以下建议的安全预防措施。

请勿将本设备放置于不平的表面上。



请勿安装在暴露于直射阳光下、靠近供暖设备或非常寒冷区域的表面上。



请勿将本设备放置在以下位置附近。



请勿自行维修本设备。



请勿将一杯水放在产品上。



请勿安装在任何磁源附近。



请勿堵塞任何通风口。



请勿在产品上放置任何重物。



用户手册是如何使用产品的指导书

书中所用符号的含义如下

- 参考：用于提供产品用法的帮助信息
- 注意：如果不遵照说明是否有可能对物品和人员造成任何损害
- ※ 在使用物品之前请阅读本手册以保证安全, 并将它保存在安全的地方。

概述



Samsung Techwin 在产品制造的各个环节都十分关注环境，并且采取措施以保证向客户提供更加环保的产品。

Eco 标志表明 Samsung Techwin 致力于生产环保型产品，同时也表示该产品符合欧盟 RoHS 标准。

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主要特性

SPC-6000 系统控制器可让您使用 RS-485 通信来控制 PTZ 摄像机、DVR 和 MATRIX 等外部设备。它提供含有屏幕菜单的用户友好界面、触摸屏和操纵杆。

- 远距离远程控制
- 借助 RS-485 通信，您可以控制的最远距离是 1km。
- 集成系统控制
- 借助单一系统控制器，您可以控制所有摄像机（接收器装置）、DVR 和 MATRIX。
- 可以连接多个系统控制器
- 您可以控制位于不同地点的系统，并且最多可同时连接 16 个控制器。
- 切换操纵杆和慢进梭模块之间的位置
- 为了方便用户操作，操纵杆和慢进梭模块的位置可以左右切换。
- 用户友好界面
系统控制器的操作状态显示在屏幕上；触摸屏可让您轻松选择菜单；操纵杆使得操作简单方便。

❖ 兼容性列表

- 摄像机
- MATRIX
SMX-25632
- DVR
SRD-XXXX 系列、SHR-8/7/6XXX 系列、SVR-1670, SRD-480D

❖ 适配器规格

- 电压：1) 输入 (AC): 100~240V
2) 输出 (DC): 12V
- 容量（输出电流）：4A
- 连接标准负载：48W
- 温度：1) 工作温度：0 ~+40°C
2) 贮藏：-20 ~+60°C

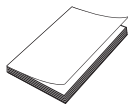
概述

附带提供的物品

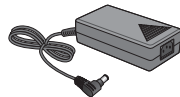
拆开产品包装，然后把产品放在地板上或平展的表面上。
检查产品包装中是否包括下列所有组件。



主机



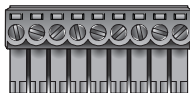
用户手册



电源适配器 1EA



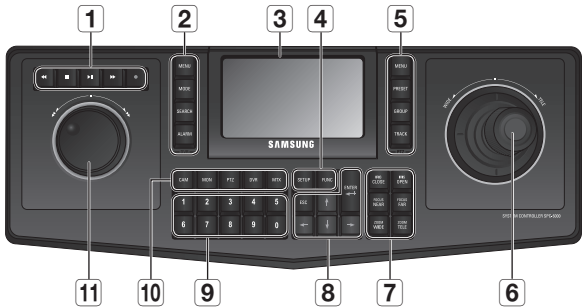
电源线 1EA



接线端子 1EA

系统控制器总览

前面

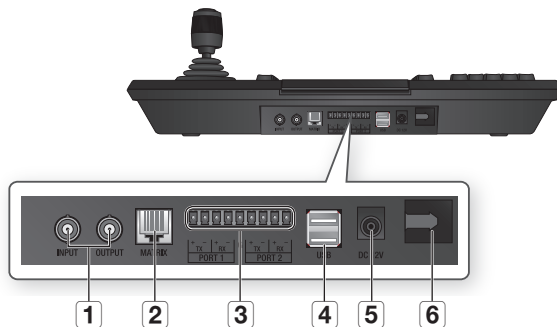


项目	说明
1 DVR 播放栏	播放/暂停、快进/快退、停止、录制
2 DVR 控制栏	访问选择的菜单、搜索、选择分屏模式或控制警报。
3 LCD 显示器	显示系统控制器的操作状态和设置菜单。
4 设置栏	按 [FUNC] 按钮，然后按 [SETUP] 以进入设置菜单。
5 摄像机操作栏	访问所选 PTZ 菜单，或者执行预设、分组或跟踪。
6 操纵杆控制器	如果已连接 PTZ 摄像机或接收器装置，则可以向上或向下操作平移/倾斜。 顺时针或逆时针旋转操纵杆可以控制缩放。 您可以从控制器的菜单屏幕控制所连接控制器的方向。

概述

项目	说明	
7 摄像机镜头栏	IRIS	控制光圈 (CLOSE/OPEN)
	FOCUS	调整焦点 (NEAR/FAR)
	ZOOM	放大/缩小 (WIDE/TELE)
8 导航、ENTER、ESC	导航	导航全部菜单项。
	ENTER	使用导航按钮移至所需项目并进行选择。
	ESC	取消当前操作。
9 数字 (0-9) 按钮	用于指定摄像机、监视器、DVR 或预设设置的数字字符。	
10 控制器选择栏	用于选择摄像机、监视器或 DVR。	
11 慢进梭	慢进	在 DVR 播放模式中用于向前/向后搜索帧。
	梭	在 DVR 播放模式中正向/反向/播放/快进/倒带。

背面



项目	说明	
1 视频输入/输出	视频输入/输出端口	
2 MATRIX	矩阵连接端口	
3 RS-485	PORT 1	通过 RS-485 通信连接至控制器，例如摄像机或 DVR。
	PORT 2	连接至其他 SPC-6000 系统控制器。
4 USB 端口	用于备份系统控制器设置或升级固件。	
5 电源	DC 12V 输入端口（— —⚡— +）	
6 电线钩	防止电源线松脱。 ☒ ■ 在安装和使用控制器时，请务必使用电线钩。	

- ☒ ■ MATRIX 端口包含电源线，因此如果使用 MATRIX 端口，则不需要单独提供 DC 12V 电源。
- MATRIX 端口提供控制主辅控制信号的单一线路。
- MATRIX 信号为 TTL 电平。
使用不超过 10 米的延长线。

安装

注意事项

在您安装产品之前，请通读下列说明并遵照其行事。

- 本产品设计为仅供在室内使用。
- 请让它远离水或湿气。
- 切勿让产品受到过大的压力。
- 切勿强行拔出电源线。
- 切勿自行拆开。
- 仅使用额定的 I/O 范围。
- 仅使用提供的电源线。
- 尽可能使用带地线的电源插头。
- 将系统控制器安装在平展的桌子上。
- 主装置和接线系统的布局非常重要，直接影响系统是否能够正常工作。
- 如果设备相互靠得太近，或者位于通风不良的环境中，则系统可能无法正常工作。访问系统不方便可能会使维修困难，或者甚至无法进行。
- 要防止系统故障或缩短系统关机时间，请留出足够的空间用于通风并关紧护盖。
- 切勿随意拆开系统控制器，因为系统控制器内部有高压。
- 工作温度：0°C ~ 40°C
- 存放温度：-20°C ~ 60°C
- 工作湿度：10% ~ 70% RH
- 存放湿度：10% ~ 90% RH
- 功耗：DC 12V，最大 4W (— — (— +))

在安装之前

- 必须先关闭产品再进行安装。
- 强大的冲击力或强烈震动可能会导致系统故障。
- 应使产品远离强磁场或电子干扰，或者收音机或电视机等无线设备。
- 安装产品时或在安装产品之后，都要使安装地点保持清洁无尘。
- 将产品放在温度适宜的宽敞平展表面上。
安装产品时，至少必须与墙壁保持 15cm 的距离。
- 不要堵塞通风孔或在通风孔中放入传导性物体。
- 切勿将产品放在阳光直射处。不要将配件或工具放在人们触手可及处，以避免造成人身伤害。
- 对异常的烟雾或气味置之不理可能会导致火灾或电击。
如果出现这种情况，请立即关闭产品，然后与我们联系以取得技术帮助。
- 如果您发现以下情况，请采取适当的措施：地板潮湿、电源延长线未接地、电源线脱皮或未安全接地。



- 使用干布擦干。如果非常污脏，请使用蘸有中性洗涤剂的布擦干净。
不要使用酒精、苯或稀释剂等易挥发的溶剂，它们可能会损坏产品表面。
- 不要在高温下操作 LCD 显示器；建议您使用屏幕保护程序来节省电源。

调整系统控制器的屏幕角度

您可以将屏幕向前拉，以取得更好的观看效果。



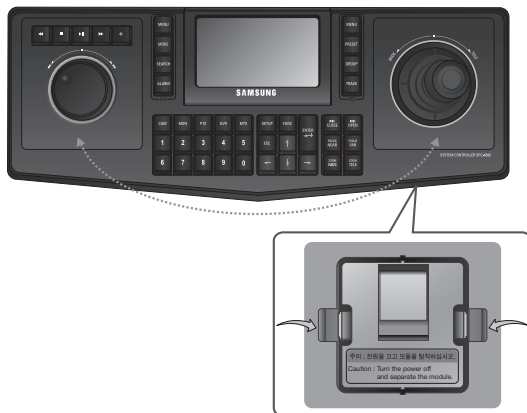
安装

切换操纵杆和慢进梭的布局

您可以切换操纵杆和慢进梭模块的位置以方便您使用。



- 要进行左右切换，请关闭系统控制器并手动切换模块。或者，按〈更改〉在控制器设置菜单中并手动切换模块。（▶ 第 38 页）



<底部>

- 按下系统控制器底部的两个挂钩以取出模块。
- 从控制器中取出操纵杆和慢进梭模块并切换位置。
完成后，插入模块，直到听到咔嗒声为止。



连接至外部设备

SPC-6000 系统控制器可以与摄像机或 DVR 等外部设备配合使用。

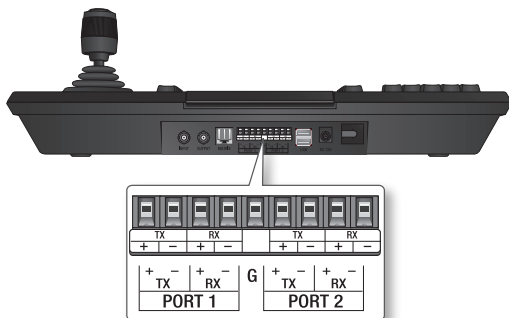
连接 RS-485 设备

借助系统控制器，您可以控制支持 RS-485 通信协议的 PTZ 摄像机或 DVR。

1. 连接背面的 PORT 1 与 PTZ 摄像机或 DVR 的 RS-485 端口。
2. 根据外部设备的系统，选择半双工或全双工连接。

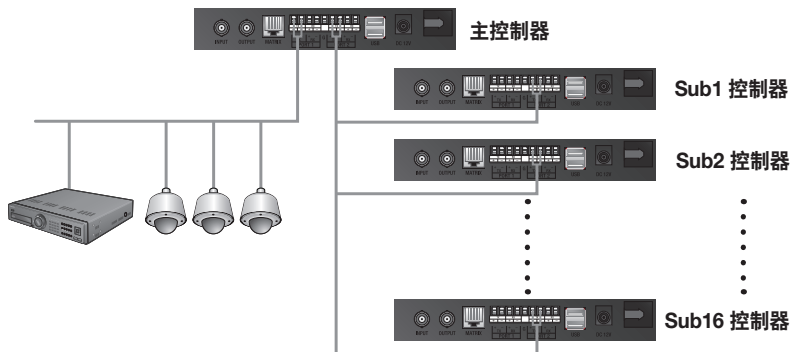


- 对于半双工系统，请使用 TX +/- 端子。
- 对于 RS-485 通信，特别要注意极性 (+/-)。
- 使用产品包装中提供的接线端子。
- 请检查 RS-485 设备与 SPC-6000 是否兼容。

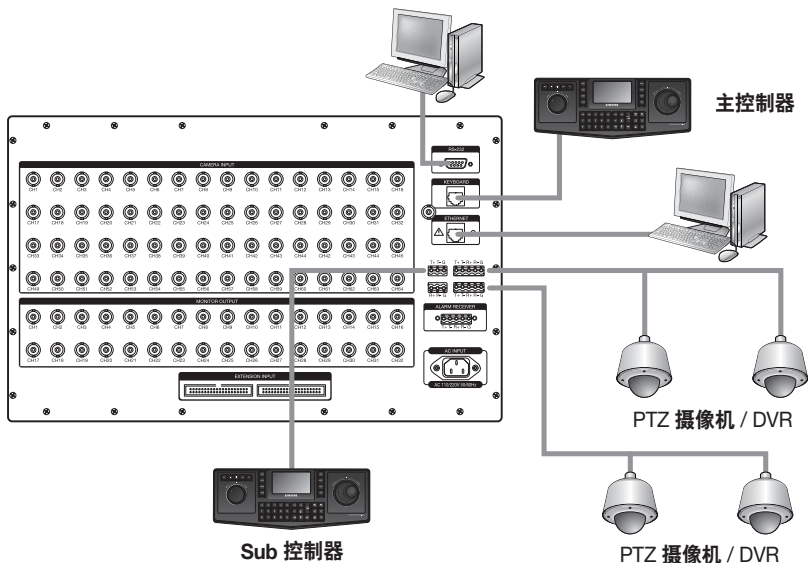


连接至外部设备

如果不使用 MATRIX 连接键盘



如果使用 MATRIX 连接键盘



1. 将主控制器的 [MATRIX] 端口连接至矩阵的 [KEYBOARD] 端口。
MATRIX 端口包含电源线，因此不需要单独供应 DC 12V 电源。
2. 将辅助控制器的 TX+ 和 TX- 分别连接至矩阵的 T+ 和 T-。
■ 与 MATRIX 同步的辅助控制器之间的波特率将固定为 9600 bps。
■ 矩阵 ID 固定为 <SUB 09>。
3. 将 DVR 和 PTZ 摄像机连接至 MATRIX。

连接至外部设备

连接 PTZ 摄像机。

通过连接 PTZ 摄像机背面的 RS-485 端口与 SPC-6000 的 PORT 1，您可以控制摄像机。



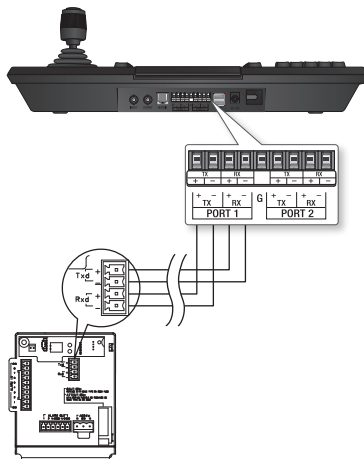
- 根据摄像机，极性可能会不相同。
有关更多信息，请参阅 PTZ 摄像机的用户手册。

对于半双工系统

- 将 PTZ 摄像机 RS-485 端口的 RX (+) 连接至 SPC-6000 PORT 1 的 TX (+)。
- 将 PTZ 摄像机 RS-485 端口的 RX (-) 连接至 SPC-6000 PORT 1 的 TX (-)。

对于全双工系统

- 将 PTZ 摄像机 RS-485 端口的 RX (+) 连接至 SPC-6000 PORT 1 的 TX (+)。
- 将 PTZ 摄像机 RS-485 端口的 RX (-) 连接至 SPC-6000 PORT 1 的 TX (-)。
- 将 PTZ 摄像机 RS-485 端口的 TX (+) 连接至 SPC-6000 PORT 1 的 RX (+)。
- 将 PTZ 摄像机 RS-485 端口的 TX (-) 连接至 SPC-6000 PORT 1 的 RX (-)。



将 SRD-16XX/8XX 系列或, SHR-8/7/6XXX 系列或 DVR

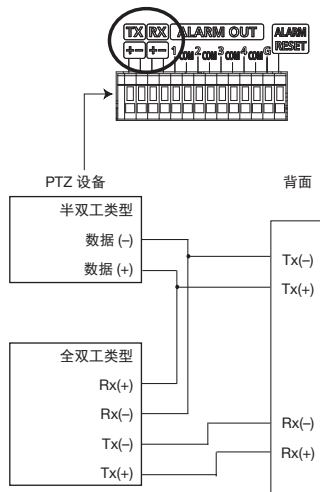
使用 DVR 背面的 RS-485 端口连接 DVR 和 SPC-6000。

对于半双工系统

- 将 DVR RS-485 端口的 TX (+) 连接至 SPC-6000 PORT 1 的 TX (+)。
- 将 DVR RS-485 端口的 TX (-) 连接至 SPC-6000 PORT 1 的 TX (-)。

对于全双工系统

- 将 DVR RS-485 端口的 TX (+) 连接至 SPC-6000 PORT 1 的 RX (+)。
- 将 DVR RS-485 端口的 TX (-) 连接至 SPC-6000 PORT 1 的 RX (-)。
- 将 DVR RS-485 端口的 RX (+) 连接至 SPC-6000 PORT 1 的 TX (+)。
- 将 DVR RS-485 端口的 RX (-) 连接至 SPC-6000 PORT 1 的 TX (-)。



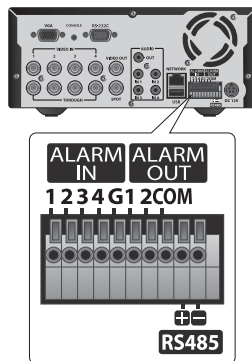
连接至外部设备

将 SRD-4XX 或 SHR-604X 系列与 DVR 相连

将 SRD-4XX 或 SHR-604X 系列背面的 RS-485 端口与 SPC-6000 相连。

❖ 对于半双工系统

- 将 SRD-4XX 或 SHR-604X 的 TX (+) 与 SPC-6000 PORT 1 的 TX (+) 相连。
- 将 SRD-4XX 或 SHR-604X 的 TX (-) 与 SPC-6000 PORT 1 的 TX (-) 相连。

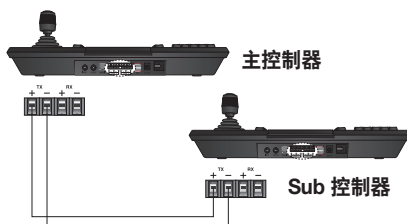


连接至其他系统控制器

- 最多可同时连接 16 个控制器。
- 对于控制器的通信设置，请参阅“辅助列表”的“菜单设置”。（▶ 第 37 页）

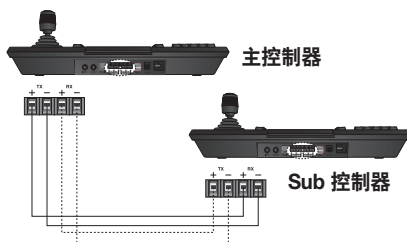
对于半双工系统

- 将 SPC-6000 PORT 2 的 TX (+) 连接至另一 SPC-6000 PORT 2 的 TX (+)。
- 将 SPC-6000 PORT 2 的 TX (-) 连接至另一 SPC-6000 PORT 2 的 TX (-)。



对于全双工系统

- 将主控制器 SPC-6000 PORT 2 的 TX (+) 连接至辅助控制器 SPC-6000 PORT 2 的 RX (+)。
- 将主控制器 SPC-6000 PORT 2 的 TX (-) 连接至辅助控制器 SPC-6000 PORT 2 的 RX (-)。
- 将主控制器 SPC-6000 PORT 2 的 RX (+) 连接至辅助控制器 SPC-6000 PORT 2 的 TX (+)。
- 将主控制器 SPC-6000 PORT 2 的 RX (-) 连接至辅助控制器 SPC-6000 PORT 2 的 TX (-)。



- 如果要控制其他系统控制器，则必须使用 PORT 2。

使用菜单

开始使用

1. 打开所有系统组成设备。



2. 将电源适配器连接至系统控制器的背面端口时，登录对话框将会出现。
3. 使用数字小键盘输入密码，然后按 [ENTER]。PTZ 控制系统的主菜单将会出现。
 - 默认密码为“4321”。



控制 PTZ 摄像机。

进入 PTZ 控制模式

按控制器的 [PTZ]。

选择摄像机

1. 使用数字按钮输入要选择的摄像机的编号。
2. 按 [CAM] 或 [ENTER]。



平移/倾斜控制

您可以使用控制器操纵杆来调整摄像机的平移/倾斜角度。

操纵杆离中心越远，移动速度就越快。

缩放

顺时针旋转操纵杆，或者按 **[ZOOM TELE]**，即可控制摄像机的放大操作。

逆时针旋转操纵杆，或者按 **[ZOOM TELE]**，即可控制摄像机的缩小操作。

聚焦

按控制器上的 **[FOCUS FAR]** 或 **[FOCUS NEAR]** 以调整摄像机的焦点。

光圈

按控制器上的 **[IRIS OPEN]** 或 **[IRIS CLOSE]** 以调整摄像机视频的亮度。

预设

将摄像机移动到预先确定的点。

设置预设

1. 选择要为其设置预设的摄像机。
2. 使用操纵杆将摄像机移至所需的点。
3. 按 **[SETUP]** 并使用数字按钮输入所需编号。然后按 **[PRESET]**。

执行预设

1. 选择摄像机。
2. 使用数字按钮输入所需数字，然后按 **[PRESET]**。
3. 将会执行预设。



- 对于 SCP-3430、SCP-2430、SCP-3250 和 SCP-2250 PTZ 圆顶系列，仅当选择 Samsung E 协议时最多支持 512 个预设。

使用菜单

摇头

您可以在个预设点之间移动摄像机以监视该途径。

摆动设置

1. 从菜单屏幕中选择 <摇头>。
2. 按 <设置>。



3. 使用数字按钮选择 PAN/TILT 并指定开始预设和结束预设。
4. 指定速度和停留时间。
5. 按 <保存>。

执行摆动

1. 从菜单屏幕中选择 <摇头>。
2. 使用数字按钮为摆动类型选择 PAN 或 TILT。
3. 将会执行摆动功能。



群组

您可以创建含有多个预设的群组，以便按顺序调用这些预设。

设置群组

1. 从菜单屏幕中选择 <群组/扫描>。
2. 选择 <群组 设置>。
3. 输入群组编号，然后按 [ENTER]。
4. 指定速度和停留时间。
5. 按 <保存>。



执行群组功能

1. 从菜单屏幕中选择 <群组/扫描>。
2. 选择 <群组 运行>。
3. 输入组编号，然后按 [ENTER]。
4. 将会执行分组功能。



使用菜单

巡视

您可以建立至少含有一个群组的巡视，以便按顺序执行该群组。

设置巡视

1. 从菜单屏幕中选择 **<巡视>**。
2. 选择 **<巡视 设置>**。
3. 每次按要添加至巡视的群组的编号时，就会将该群组添加至巡视。
 - 最多可以将 6 个群组添加至巡视。
4. 按 **[保存]** 以应用设置。



执行巡视功能

1. 从菜单屏幕中选择 **<巡视>**。
2. 选择 **<巡视 运行>**。
3. 将会执行巡视功能。

跟踪

通过操纵杆或摄像机按钮，您可以指示控制器录制特定时间的摄像机移动并重复移动。

设置跟踪

1. 从菜单屏幕中选择 **<追踪/模式>**。
2. 选择 **<录制>**。
3. 指定要录制的跟踪编号。
4. 通过操纵杆或摄像机按钮，根据需要控制摄像机移动。



执行跟踪

1. 从菜单屏幕中选择 <追踪/模式>。
2. 选择 <播放>。
3. 指定要执行的跟踪编号。
4. 将会执行跟踪功能。



自动对焦

1. 从菜单屏幕中选择 <A/F>。
2. 将会激活自动对焦功能。

重置

1. 从菜单屏幕中选择 <重置>。
2. 将会重置摄像机。

目标锁定

1. 从菜单屏幕中选择 <目标锁定>。
摄像机视频上将会出现一个矩形框。
2. 移至要跟踪的物体，然后按 [ENTER]。
■ 此项只适用于支持跟踪功能的摄像机。



跟踪

1. 从菜单屏幕中选择 <跟踪>。
2. 将会执行跟踪功能。
■ 此项只适用于支持跟踪功能的摄像机。

使用菜单

控制 DVR

根据型号，DVR 可能会提供不同的功能。
有关详细信息，请参阅适用的用户手册。



- 不正确的设置可能会导致使用 DVR 时发生问题。

选择 DVR

1. 按 [DVR]。
2. 使用数字按钮输入 DVR 编号 (0~255)，然后按 [ENTER]。



3. 主菜单屏幕将会出现。
它会因型号而异。



- 对于支持 SRD 协议的 DVR，菜单屏幕只显示可用的菜单项。
- 如果连接支持 SRD 协议的 DVR，则会自动进行 PTZ 设置。



选择 DVR 频道

1. 使用数字按钮输入所需 DVR 频道的编号。
2. 按 [CAM]。

控制 DVR 菜单

1. 要控制所选 DVR 的菜单，请按 DVR 控制栏中的 [MENU]。
2. 使用方向按钮移至所需菜单项，然后按 [ENTER] 按钮。

控制连接至 DVR 的 PTZ 设备

根据 DVR 型号，您可能无法控制连接至 DVR 的 PTZ 设备。

如果出现这种情况，请按 [PTZ] 以从 DVR 控制模式切换至摄像机控制模式。

在 DVR 模式中控制 PTZ 设备

1. 按 DVR 菜单屏幕右下角中的 [PTZ]。
2. 使用操纵杆来控制与 DVR 相连的 PTZ 摄像机。
有关详细信息，请参阅 DVR 用户手册。

DVR 登录

必须使用正确的用户帐户来访问 DVR 菜单。



- 选择 <输入> 以取消激活输入框。现在，您可以仅使用数字按钮来切换频道或输入 DVR 的密码，不必使用 [CAM] 按钮。
再次选择 <输入> 以返回到上一种模式。



使用菜单

控制矩阵

在矩阵模式中控制监视器和摄像机

可以在矩阵模式中控制监视器和摄像机。

1. 按 **[MTX]**。
2. 选择监视器编号，然后按 **[MON]**。
3. 选择摄像机编号，然后按 **[CAM]**。
所选监视器将会播放所选摄像机的视频。



在先前监视器上播放当前视频

输入要选择的摄像机编号。

1. 在矩阵设置屏幕中按摄像机编号，然后按 **[CAM]**。
2. 先前监视器将会播放当前选定摄像机的视频。

自动选择

您可以在矩阵设置菜单中制订操作的时间表。

1. 在矩阵设置菜单中选择监视器编号，然后按 **[MON]**。
2. 从菜单屏幕中，按 **<自动选择设置>**。



3. <自动选择设置> 屏幕出现时，选择要连接的监视器和摄像机，然后指定停留时间。
4. 1 号摄像机设置完成后，按 <继续> 并指定 2 号摄像机的停留时间。
5. 完成停留时间设置之后，按 <保存>。



运行/保持

运行/保持将运行或保持您已完成的自动选择设置。

按 <全部> + <运行> 组合以根据您的设置运行自动选择。

按 <全部> + <保持> 组合以停止操作自动选择并等待输入。



- 要指示个别监视器的操作，请按“监视器编号” + <运行> 或“监视器编号” + <保持> 组合。

警报播放

如果以“警报播放”模式触发传感器，则在警报装置将警报器设置为开的情况下，警报器会发出声音，或者在警报装置已设置指示器控制输出的情况下，您可以使用指示器控制外部设备。要释放警报装置的警报，请再次按 <警报播放>。

菜单设置

访问主菜单

- 1. 按控制器上的 [FUNC] 按钮，然后单击 [SETUP]。
- 2. 设置系统屏幕出现时，选择所需的菜单项。



PTZ 设置

从 PTZ 设置屏幕中，可以指定协议和波特率。

- 1. 从设置主屏幕中按 <PTZ>。
- 2. 使用方向按钮或操纵杆移至所需的菜单。
- 3. 可以使用 [ZOOM WIDE] 或 [ZOOM TELE] 来更改设置。
- 4. 完成协议和波特率的设置之后，按 <保存>。
- 5. 要退出 PTZ 设置屏幕，请按 <确定> 或 [ESC]。



■ 在移至另一页之前，请保存您的设置。



DVR 设置

从 DVR 设置屏幕中，可以指定 DVR 类型和波特率。

1. 从设置主屏幕中，按 <DVR>。
2. 使用方向按钮或操纵杆选择摄像机编号，然后指定 DVR 类型。
3. 指定波特率。
4. 完成后，按 <保存>。
5. 要退出 DVR 设置屏幕，请按 <确定> 或 [ESC]。



■ 在移至另一页之前，请保存您的设置。



控制器设置

控制器 ID

可以选择 RS-485 或 RS-422 作为通信系统。

1. 选择 RS-485 或 RS-422 作为控制器与外部设备之间的通信系统。
2. 按 port 按钮以指定端口 ID。

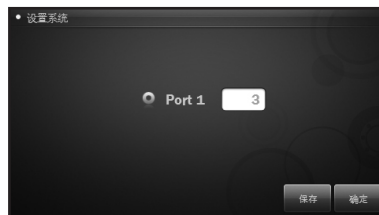


菜单设置

PORT 1 ID

您可以指定控制器 ID 以在与其他设备通信时使用。

1. 从控制器 ID 设置屏幕中按 **[PORT 1]**。
2. 指定 ID，然后按 **<保存>**。



PORT 2 ID

您可以指定主要或辅助控制器以在控制器之间进行通信，同时可设置使用矩阵和辅助列表。

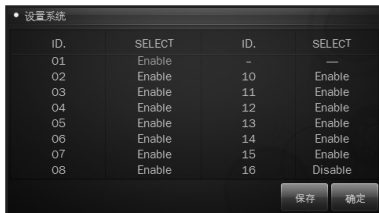
1. 从控制器 ID 设置屏幕中按 **[PORT 2]**。
2. 使用方向按钮选择所需项目，然后选择控制器之间的通信系统。
 - 在多控制器环境中，必须设置辅助列表。
3. 完成后，按 **<保存>**。



辅助列表

对于具备主辅助控制器的通信系统，必须设置 <辅助列表>。

1. 按 <辅助列表>。
2. 使用方向按钮选择所需项目，然后使用 [ZOOM WIDE] 或 [ZOOM TELE] 配置设置。
 - 矩阵 ID 固定为 <SUB 09>。
3. 完成后，按 <保存>。
4. 要退出 <辅助列表> 屏幕，请按 [OK] 或 [ESC]。



操纵杆按钮操作

您可以设置操纵杆按钮的操作。

1. 按操纵杆 <按钮>。
2. 从操纵杆按钮操作屏幕中，选择所选操纵杆按钮的功能按钮。
3. 检查当前设置，然后按 <退出>。



屏幕保护程序

在您不打算使用控制器挺长一段时间时，可以设置激活屏幕保护程序。

1. 如果要显示徽标屏幕，请将屏幕保护程序设置为 <开>。
2. 要应用更改，请按 <确定>；要取消设置，请按 <退出>。

菜单设置

出厂默认值

您可以将当前设置恢复为出厂默认值。

1. 按 **<重置>**。
2. 按 **<确定>**。
当将设置将恢复为出厂默认值。
3. 要退出菜单，请按 **<退出>**。



在模块之间切换

可以从左到右在慢进梭和操纵杆之间切换位置。

1. 按 **<更改>**。
2. 从随后出现的“更改型号”屏幕中，可以在慢进梭和操纵杆之间切换位置。
3. 要退出该屏幕，请按 **<退出>**。



语言

可以选择用户界面的首选语言。

1. 按 **<语言>**。
2. 从随后出现的语言选择屏幕中，使用方向按钮或操纵杆选择首选语言。
 - 语言将立即更改为所选语言。
3. 要退出语言选择屏幕，请按 **<退出>**。



密码

您可以进行设置以启用或禁用控制器的密码。

1. 按下密码 <设置> 按钮。
2. 要启用密码，请将它设置为 <开>。否则，请将它设置为 <关>。
3. 提供当前密码。
4. 要应用更改，请按 <确定>；要取消设置，请按 <退出>。



更改密码

您可以更改密码。

1. 按下密码 <设置> 按钮。
2. 提供当前密码。
3. 提供新密码。
4. 要应用更改，请按 <确定>；要取消设置，请按 <退出>。



- 默认密码为“4321”。



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

菜单设置

固件更新

您可以使用 USB 存储器中的固件文件来更新当前固件。

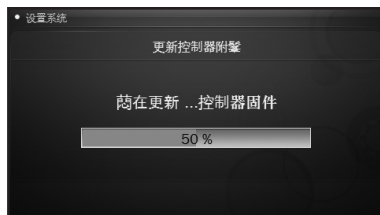
更新控制器固件

您可以下载最新的固件文件并更新控制器。

1. 将包含最新固件文件的 USB 存储器连接至系统控制器。
2. 从菜单设置屏幕中，按 <更新>。
3. 按 <更新控制器固件>。

4. 从更新屏幕中，按 <确定>。
更新状态将显示在进度栏中。
5. 等待到更新后系统重新启动。

-  ■ 在更新期间，不要拔下 USB 存储器或断开电源。否则，可能更新固件可能会失败，或者可能会导致系统故障。



备份控制器设置

如果要更改控制器或更换摄像机，则可以将控制器的设置保存为文件，并将控制器设置装入到新摄像机中。

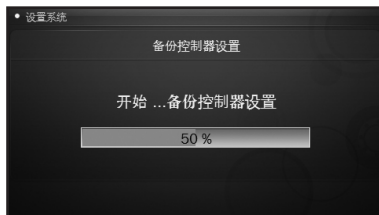
1. 从菜单设置屏幕中，按 **<更新>**。

2. 按 **<备份控制器设置>**。

3. 按 **<确定>**。
备份过程将会开始。



- 在备份期间，不要拔下 USB 存储器或断开电源。否则，备份控制器设置可能会失败。



还原控制器设置

如果不正确设置控制器或将其重置，则可以将当前设置上传到另一个控制器。

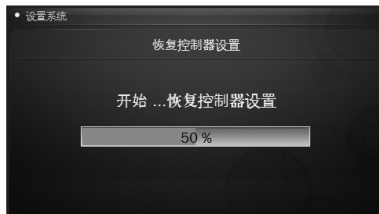
1. 从菜单设置屏幕中，按 **<更新>**。

2. 按 **<还原控制器设置>**。

3. 按 **<确定>**。
还原过程将会开始。



- 在还原期间，不要拔下 USB 存储器或断开电源。否则，还原控制器设置可能会失败。



菜单设置

检查控制器信息

您可以检查系统控制器的型号名称和软件版本。

状态屏幕

您可以检查控制器状态。

1. 从菜单设置屏幕中，按 <状态>。
2. 检查控制器状态。



附录

规格

项目	说明
通信系统	RS-485 / 422（远程控制范围：最远 1km） TTL（用于控制矩阵）
控制的装置数	最多 255 个
波特率	2,400 ~ 38,400 bps
兼容性	PTZ / DVR / 矩阵 / 接收器
协议（PTZ）	Samsung-T、Samsung-E、PELCO-D、PELCO-P、Panasonic、Vicon、AD、Honeywell、ELMO、BOSCH 和 GE
协议（DVR）	SVR、SRD 和 SRP
协议（MATRIX）	SMX-25632
协议（接收器）	Samsung-T
多语言支持	英语、西班牙语、法语、意大利语、德语、土耳其语、波兰语、俄语、葡萄牙语、瑞典语、荷兰语、捷克语、塞尔维亚语、韩语、中文、日语
LCD 显示器	5 英寸 TFT LCD + 触摸 LCD
USB 端口	备份 / 恢复，软件更新
视频端口	BNC 视频输入，循环输出
操纵杆	PTZ 控制（3 轴扭曲缩放）
慢进梭	控制 DVD 播放
电源	DC 12V，最大 4W
工作温度	0°C ~ 40°C
工作湿度	10 ~ 70%（无冷凝）
尺寸	459.1（宽）x 59.1（高）x 177.9（深）毫米
重量	约 1.5 kg（不包括适配器）

附录

问题与解答

问题	措施
我无法与系统控制器通信。	• 检查是否正确连接 RS-485 通信电缆。 • 如果由于通信线路上的噪声而导致通信状态不稳定，请将设备的 G 端口连接至 SPC-6000 的 G 端口。
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