

SAMSUNG TECHWIN

网络摄像机 用户手册

**SNP-3120/
3120V/3120VH**



网络摄像机

用户手册

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如果在正常条件下，产品无法操作，请告诉我们。Samsung Techwin 将免费解决问题。

保质期是 3 年。但是，不包括下列情况：

- 如果因为运行与系统操作无关的程序而导致系统行为异常
- 使用时间长而导致性能下降或自然磨损

❖ 设计和规格可能会随时更改，恕不提前通知。

❖ 默认密码可能会向黑客线程公开，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。

概述

重要的安全说明

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



概述

警告

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

请勿将设备放置于滴水或溅水的地方,且勿将装有水的物体(如花瓶)放在设备上。

注意

	注意 不要擅自拆装机器, 避免电击	
注意: 为避免触电危险,不得取下机器后盖。 机器内部没有用户可修理的部件。 修理工作只允许由具备资格的人员进行		

图形符号说明



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



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

当在美国以外使用时,可以利用所用的 HAR 代码和许可代理机构的接待处。

注意

这些维修说明仅供合格的维修人员使用。

为减少电击的危险,除了操作说明中所描述的之外,请勿执行其他任何维修工作,除非您合格这么做。

产品的 BNC 输出端子是为了方便安装而提供的,建议不要将它用于监视。如果保持连接 BNC 电缆,则闪光的风险可能会导致损坏产品或使产品功能异常。

不要将产品置于正对着空调气流的位置。

否则,由于圆顶摄像机内外的温度差异,会在透明的圆顶内产生湿气凝结。

如果您在低温区域(例如冷库内)安装本产品,则必须用硅密封电线导管,使得外面的空气不能流入机盒中。

否则,外面湿度很高的空气可能会流入机盒中,由于内外温度差异而导致产品内部潮湿或有水蒸汽。

产品内有害物质信息

部件名称	有毒有害物质元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 Cr (VI)	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印制电路板组件	×	○	○	○	○	○
金属部品	×	○	○	○	○	○
电缆	×	○	○	○	○	○
塑料部品	○	○	○	○	○	○

○: 部品中有毒有害物质含量在〈含量标准〉的标准值内。

×: 部品中有毒有害物质含量超出〈含量标准〉的标准值。

本表格表明机器内部含有有害物质,数据是根据部件类型,由部件制作商提供并在三星内部验证后做成的。

某些部品包含的有害物质,按照现在的技术基准不能替代,三星一直在为改善此项而努力。

概述

请仔细阅读以下建议的安全预防措施。

请勿将本设备放置于不平的表面上。	请勿安装在暴露在直射阳光下、靠近供暖设备或非常寒冷区域的表面上。
请勿将本设备放置在传导体附近。	请勿自行维修本设备。
请勿将一杯水放在产品上。	请勿安装在任何磁源附近。
请勿堵塞任何通风口。	请勿在产品上放置任何重物。

用户手册是如何使用产品的指导书

书中所用符号的含义如下

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



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。

概述

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概述

产品特点

- **多流**

本网络摄像机可以同时使用不同的 CODEC、采用不同的分辨率和质量来显示视频。



▪ 但是，不能在网页上播放 MPEG4 视频。如果要在网页上播放视频，请使用 CMS 软件。

- **基于 Web 浏览器的监视**

使用互联网 Web 浏览器在本地网络环境中显示图像

- **警报**

如果发生事件，则会将与事件相关的视频传送至用户指定的电子邮件，或者保存到 SD 存储器，或者将事件信号发送至 警报输出端口。

- **智能视频分析**

按照用户指定的规则分析事件视频以识别事件。

- **符合 ONVIF (Spec 1.02)**

本产品支持 ONVIF Core Spec. 1.02。

有关详细信息，请参阅 www.onvif.org。



Driving network video through global standardization

推荐 PC 技术规格

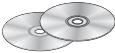
- CPU: Intel(R) Core(TM)2 2.00 GHz 或更高
- 操作系统: Windows XP、VISTA、7
Mac OS
- 分辨率: 1280X1024 像素或更高
- RAM: 1GB 或更大
- 网络浏览器: IE 6.0 或更高版本
Firefox、Google Chrome、Safari
- 显存: 128MB 或更大

推荐 SDHC/SD 记忆卡 技术规格

- 2GB ~ 32GB
- 我们建议，最好使用最小读/写速度 10Mbps，且符合 6 类规格的记忆卡。

附带提供的物品

请检查产品包装内是否已包括摄像机和所有附件。

外观	项目名称	数量	说明	型号名称
	用户手册/ Installer S/W DVD, CMS S/W DVD	2		SNP-3120/3120V/ 3120VH
	用户手册	1		
	7 针接线端子	1	用于通讯	
	8 针接线端子	1	用于报警 I/O	
	用于测试显示器的电缆	1	用于测试摄像机至便携式显示设备的连接	
	音频电缆	1		

概述

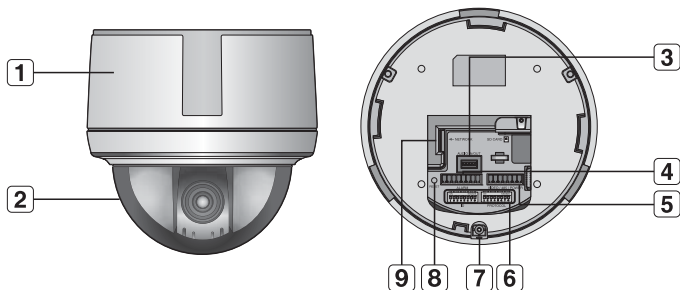
外观	项目名称	数量	说明	型号名称
	模板	1	产品安装指南	SNP-3120
	自攻支架螺钉	4	用于墙壁或天花板上的安装	
	安装支架	1		SNP-3120
	L 型扳手	1	用于卸下/固定圆顶盖	SNP-3120V/3120VH



- 测试监视器电缆连接到手持式播放器，用于测试摄像机。
如果您想将其用于实际监视摄像机，请换用 BNC 电缆。

简图

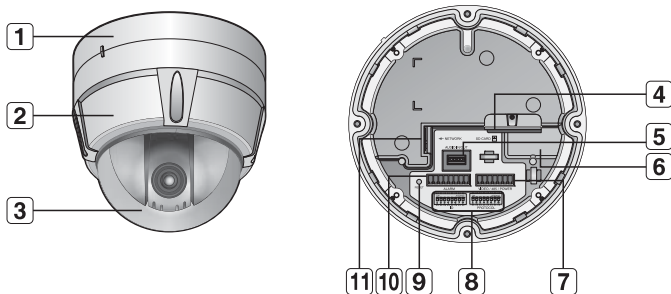
❖ SNP-3120



项目	说明
1 主设备	主设备包括镜头、开关板、PCB 板和螺钉。
2 圆顶盖	用于保护镜头和主设备的护盖。
3 音频	音频 I/O 端口。
4 报警输入/输出端子	用于连接报警输入/输出接线端子。
5 视频、RS-485、电源	用于连接监视器、RS-485 设备或电源。
6 识别号设置开关	用于设置摄像机识别号或通讯协议。
7 螺钉孔	用于将摄像机固定在墙壁或天花板上。
8 重置按钮	将摄像机设置重置为默认值。按住该按钮大约 5 秒钟即可关闭系统指示灯，并重新启动系统。 ❗ 如果复位摄像机，则会调整网络设置，以便可以启用 DHCP。如果网络中没有 DHCP 服务器，则必须运行 IP Installer 程序更改基本的网络设置，如 IP 地址、子网掩码、网关等，然后才能连接到网络。
9 网络端口	用于连接 PoE 或 LAN 电缆。

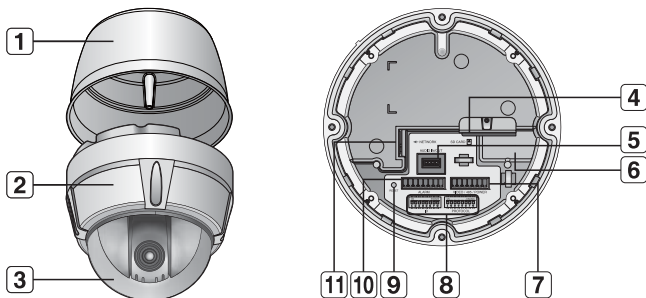
概述

❖ SNP-3120V



项目	说明
1 表面安装支架	用于将摄像机直接安装到天花板上。 在分开此盖之后，将此支架安装到天花板上。
2 主设备	主设备包括镜头、开关板、PCB 板和螺钉。
3 圆顶盖	用于保护镜头和主设备的护盖。
4 SD 内存卡盒	用于 SD 内存卡的盒子。
5 音频	音频 I/O 端口。
6 加热器	当环境温度低于 5°C 时会激活，以防止圆顶盖被霜覆盖。
7 视频、RS-485、电源	用于连接监视器、RS-485 设备或电源。
8 识别号设置开关	用于设置摄像机识别号或通讯协议。
9 重置按钮	将摄像机设置重置为默认值。按住该按钮大约 5 秒钟即可关闭系统指示灯，并重新启动系统。 ❗ 如果复位摄像机，则会调整网络设置，以便可以启用 DHCP。如果网络中没有 DHCP 服务器，则必须运行 IP Installer 程序更改基本的网络设置，如 IP 地址、子网掩码、网关等，然后才能连接到网络。
10 报警输入/输出端子	用于连接报警输入/输出接线端子。
11 网络端口	用于连接 PoE 或 LAN 电缆。

❖ SNP-3120VH

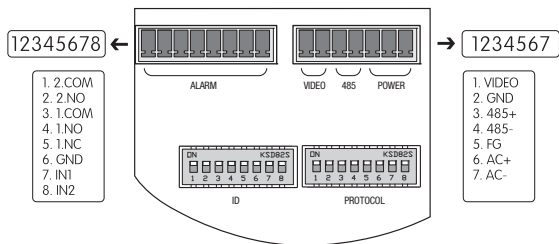


项目	说明
1 防晒机盒	用于保护主设备免受阳光曝晒。
2 主设备	主设备包括镜头、开关板、PCB 板和螺钉。
3 圆顶盖	用于保护镜头和主设备的护盖。
4 SD 内存卡盒	用于 SD 内存卡的盒子。
5 音频	音频 I/O 端口。
6 加热器	当环境温度低于 5°C 时会激活，以防止圆顶盖被霜覆盖。
7 视频、RS-485、电源	用于连接监视器、RS-485 设备或电源。
8 识别号设置开关	用于设置摄像机识别号或通讯协议。
9 重置按钮	将摄像机设置重置为默认值。按住该按钮大约 5 秒钟即可关闭系统指示灯，并重新启动系统。 ❶ 如果复位摄像机，则会调整网络设置，以便可以启用 DHCP。如果网络中没有 DHCP 服务器，则必须运行 IP Installer 程序更改基本的网络设置，如 IP 地址、子网掩码、网关等，然后才能连接到网络。
10 报警输入/输出端子	用于连接报警输入/输出接线端子。
11 网络端口	用于连接 PoE 或 LAN 电缆。

概述

❖ 摄像机接线接口板

对于摄像机接线，请参阅下图。使用同轴通信时，不需要独立的控制信号连接。



控制器和辅助信号连接

编号	名称	用途
1	2.COM	报警输出 2(公用)
2	2.NO	报警输出 2(常开触点)
3	1.COM	报警输出 1(公用)
4	1.NO	报警输出 1(常开触点)
5	1.NC	报警输出 1(常开触点)
6	GND	接地
7	IN1	报警输入传感器端子 1
8	IN2	报警输入传感器端子 2

电源、视频和通信信号连接

编号	名称	用途
1	VIDEO	视频输出
2	GND	接地
3	485+	控制器数据线
4	485-	控制器数据线
5	FG	场接地
6	AC	AC 24V
7	AC	AC 24V



- 提供的 BNC 电缆的蓝线为视频输出，白线和黑线为接地。
- 电源适配器 (AC) 没有极性。



- 内置继电器的最大功率容量是 30V DC/2A、125V AC/0.5A 和 250V AC/0.25A。
- 不正确地将电源接头和 GND 连接到 NC/NO 和 COM 端口可能会导致短路和发生火灾，从而损坏摄像机。
- 当将摄像机连接到外部额定值超标产品时，请使用单独的继电器设备以确保正确操作。
- 在测试监控时为防止可能进入的闪电电流，请在 FG 端子接地的情况下执行测试。

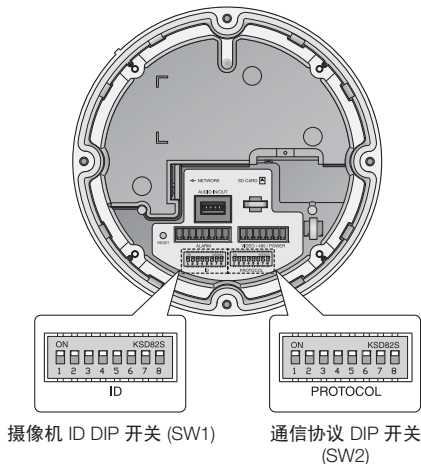
安装与连接

DIP 开关设置

如何设置协议和 ID DIP 开关

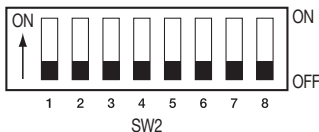
可以使用通信和 ID DIP 开关,来控制摄像机系统的各种设置。在安装产品之前,请根据安装环境设置 DIP 开关。

1. 将摄像机框架从安装基座拆下来,并将框架的底部朝向您放置,如下图所示。
2. 根据安装环境设置开关。有关更详细的设置信息,请参阅下一页上的表。
3. 如果未完全打开/关闭开关,摄像机可能会功能异常;在完成设置之前,请仔细检查开关。



通信协议 DIP 开关设置 (SW2)

同轴通信会自动检测信号,因此不需要独立的通信设置过程。



SW2 引脚编号	用途
1~4	协议设置
5~6	波特率设置
7	响应模式设置
8	终端设置

● 协议设置

选择摄像机的通信协议

编号	协议	SW2-#1	SW2-#2	SW2-#3	SW2-#4
1	自动检测	OFF	OFF	OFF	OFF
2	Samsung-T	OFF	OFF	OFF	ON
3	Pelco-D	OFF	OFF	ON	OFF
4	Pelco-P	OFF	OFF	ON	ON
5	Samsung-E	OFF	ON	OFF	OFF
6	Panasonic	OFF	ON	OFF	ON
7	Vicon	OFF	ON	ON	OFF
8	Honeywell	OFF	ON	ON	ON
9	AD	ON	OFF	OFF	OFF
10	GE	ON	OFF	OFF	ON
11	BOSCH	ON	OFF	ON	OFF
12	保留	ON	OFF	ON	ON
13	保留	ON	ON	OFF	OFF
14	保留	ON	ON	OFF	ON
15	保留	ON	ON	ON	OFF
16	保留	ON	ON	ON	ON

安装与连接

• 波特率设置

选择所选通信协议的传输速度。

编号	波特率 (BPS)	SW2-#5	SW2-#6
1	2,400	ON	ON
2	4,800	ON	OFF
3	9,600	OFF	OFF
4	19,200	OFF	ON

• 通信响应设置

选择摄像机和控制器的通信响应方法：响应或无响应。

	功能	ON	OFF
SW2- #7	响应模式开关	响应	无响应

• 终端设置

为了防止摄像机和控制器之间的通信信号减弱, 必须通过终端设置来设置线路末端的项目。

摄像机输入位置	SW2- #8
路径最长的终端	ON
路径上	OFF

- 提供此型号时, 所有 DIP 开关的出厂默认值都设置为“关”。表格中默认设置都加了阴影。



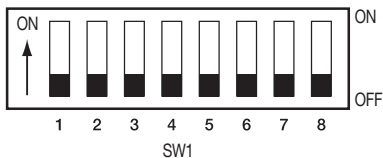
- 要将第三方控制器与本产品配合使用，请与售后服务人员或技术部门联系。
- 使用不同的协议进行控制

	AD 协议	VICON 协议	GE 协议
进入摄像机 OSD	3+ 辅助开	光圈打开	光圈打开
退出摄像机 OSD	3+ 辅助关	光圈关闭	光圈关闭
ENTER	光圈打开	光圈打开	光圈打开
ESC	光圈关闭	光圈关闭	光圈关闭

- 有关协议的更多信息，请参阅我们的官方网站。

摄像机 ID DIP 开关设置 (SW1)

要设置摄像机 ID, 请参阅下面的“摄像机 ID 图”。



安装与连接

• 摄像机 ID 图

ID	SW1-#1	SW1-#2	SW1-#3	SW1-#4	SW1-#5	SW1-#6	SW1-#7	SW1-#8
1	ON/OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
2	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
3	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF
4	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
5	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF
6	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF
7	ON	ON	ON	OFF	OFF	OFF	OFF	OFF
8	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
9	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF
10	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF
11	ON	ON	OFF	ON	OFF	OFF	OFF	OFF
12	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF
13	ON	OFF	ON	ON	OFF	OFF	OFF	OFF
14	OFF	ON	ON	ON	OFF	OFF	OFF	OFF
15	ON	ON	ON	ON	OFF	OFF	OFF	OFF
16	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
17	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF
18	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF
19	ON	ON	OFF	OFF	ON	OFF	OFF	OFF
20	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF
21	ON	OFF	ON	OFF	ON	OFF	OFF	OFF
22	OFF	ON	ON	OFF	ON	OFF	OFF	OFF
23	ON	ON	ON	OFF	ON	OFF	OFF	OFF
24	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF
25	ON	OFF	OFF	ON	ON	OFF	OFF	OFF
26	OFF	ON	OFF	ON	ON	OFF	OFF	OFF
27	ON	ON	OFF	ON	ON	OFF	OFF	OFF
28	OFF	OFF	ON	ON	ON	OFF	OFF	OFF
29	ON	OFF	ON	ON	ON	OFF	OFF	OFF
30	OFF	ON	ON	ON	ON	OFF	OFF	OFF
31	ON	ON	ON	ON	ON	OFF	OFF	OFF
32	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
33	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF
34	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF
35	ON	ON	OFF	OFF	OFF	ON	OFF	OFF
36	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF
37	ON	OFF	ON	OFF	OFF	ON	OFF	OFF
38	OFF	ON	ON	OFF	OFF	ON	OFF	OFF
39	ON	ON	ON	OFF	OFF	ON	OFF	OFF
40	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF
41	ON	OFF	OFF	ON	OFF	ON	OFF	OFF

ID	SW1-#1	SW1-#2	SW1-#3	SW1-#4	SW1-#5	SW1-#6	SW1-#7	SW1-#8
42	OFF	ON	OFF	ON	OFF	ON	OFF	OFF
43	ON	ON	OFF	ON	OFF	ON	OFF	OFF
44	OFF	OFF	ON	ON	OFF	ON	OFF	OFF
45	ON	OFF	ON	ON	OFF	ON	OFF	OFF
46	OFF	ON	ON	ON	OFF	ON	OFF	OFF
47	ON	ON	ON	ON	OFF	ON	OFF	OFF
48	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF
49	ON	OFF	OFF	OFF	ON	ON	OFF	OFF
50	OFF	ON	OFF	OFF	ON	ON	OFF	OFF
51	ON	ON	OFF	OFF	ON	ON	OFF	OFF
52	OFF	OFF	ON	OFF	ON	ON	OFF	OFF
53	ON	OFF	ON	OFF	ON	ON	OFF	OFF
54	OFF	ON	ON	OFF	ON	ON	OFF	OFF
55	ON	ON	ON	OFF	ON	ON	OFF	OFF
56	OFF	OFF	OFF	ON	ON	ON	OFF	OFF
57	ON	OFF	OFF	ON	ON	ON	OFF	OFF
58	OFF	ON	OFF	ON	ON	ON	OFF	OFF
59	ON	ON	OFF	ON	ON	ON	OFF	OFF
60	OFF	OFF	ON	ON	ON	ON	OFF	OFF
61	ON	OFF	ON	ON	ON	ON	OFF	OFF
62	OFF	ON	ON	ON	ON	ON	OFF	OFF
63	ON	ON	ON	ON	ON	ON	OFF	OFF
64	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
65	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
66	OFF	ON	OFF	OFF	OFF	OFF	ON	OFF
67	ON	ON	OFF	OFF	OFF	OFF	ON	OFF
68	OFF	OFF	ON	OFF	OFF	OFF	ON	OFF
69	ON	OFF	ON	OFF	OFF	OFF	ON	OFF
70	OFF	ON	ON	OFF	OFF	OFF	ON	OFF
71	ON	ON	ON	OFF	OFF	OFF	ON	OFF
72	OFF	OFF	OFF	ON	OFF	OFF	ON	OFF
73	ON	OFF	OFF	ON	OFF	OFF	ON	OFF
74	OFF	ON	OFF	ON	OFF	OFF	ON	OFF
75	ON	ON	OFF	ON	OFF	OFF	ON	OFF
76	OFF	OFF	ON	ON	OFF	OFF	ON	OFF
77	ON	OFF	ON	ON	OFF	OFF	ON	OFF
78	OFF	ON	ON	ON	OFF	OFF	ON	OFF
79	ON	ON	ON	ON	OFF	OFF	ON	OFF
80	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF
81	ON	OFF	OFF	OFF	ON	OFF	ON	OFF
82	OFF	ON	OFF	OFF	ON	OFF	ON	OFF
83	ON	ON	OFF	OFF	ON	OFF	ON	OFF
84	OFF	OFF	ON	OFF	ON	OFF	ON	OFF

安装与连接

ID	SW1-#1	SW1-#2	SW1-#3	SW1-#4	SW1-#5	SW1-#6	SW1-#7	SW1-#8
85	ON	OFF	ON	OFF	ON	OFF	ON	OFF
86	OFF	ON	ON	OFF	ON	OFF	ON	OFF
87	ON	ON	ON	OFF	ON	OFF	ON	OFF
88	OFF	OFF	OFF	ON	ON	OFF	ON	OFF
89	ON	OFF	OFF	ON	ON	OFF	ON	OFF
90	OFF	ON	OFF	ON	ON	OFF	ON	OFF
91	ON	ON	OFF	ON	ON	OFF	ON	OFF
92	OFF	OFF	ON	ON	ON	OFF	ON	OFF
93	ON	OFF	ON	ON	ON	OFF	ON	OFF
94	OFF	ON	ON	ON	ON	OFF	ON	OFF
95	ON	ON	ON	ON	ON	OFF	ON	OFF
96	OFF	OFF	OFF	OFF	OFF	ON	ON	OFF
97	ON	OFF	OFF	OFF	OFF	ON	ON	OFF
98	OFF	ON	OFF	OFF	OFF	ON	ON	OFF
99	ON	ON	OFF	OFF	OFF	ON	ON	OFF
100	OFF	OFF	ON	OFF	OFF	ON	ON	OFF
101	ON	OFF	ON	OFF	OFF	ON	ON	OFF
102	OFF	ON	ON	OFF	OFF	ON	ON	OFF
103	ON	ON	ON	OFF	OFF	ON	ON	OFF
104	OFF	OFF	OFF	ON	OFF	ON	ON	OFF
105	ON	OFF	OFF	ON	OFF	ON	ON	OFF
106	OFF	ON	OFF	ON	OFF	ON	ON	OFF
107	ON	ON	OFF	ON	OFF	ON	ON	OFF
108	OFF	OFF	ON	ON	OFF	ON	ON	OFF
109	ON	OFF	ON	ON	OFF	ON	ON	OFF
110	OFF	ON	ON	ON	OFF	ON	ON	OFF
111	ON	ON	ON	ON	OFF	ON	ON	OFF
112	OFF	OFF	OFF	OFF	ON	ON	ON	OFF
113	ON	OFF	OFF	OFF	ON	ON	ON	OFF
114	OFF	ON	OFF	OFF	ON	ON	ON	OFF
115	ON	ON	OFF	OFF	ON	ON	ON	OFF
116	OFF	OFF	ON	OFF	ON	ON	ON	OFF
117	ON	OFF	ON	OFF	ON	ON	ON	OFF
118	OFF	ON	ON	OFF	ON	ON	ON	OFF
119	ON	ON	ON	OFF	ON	ON	ON	OFF
120	OFF	OFF	OFF	ON	ON	ON	ON	OFF
121	ON	OFF	OFF	ON	ON	ON	ON	OFF
122	OFF	ON	OFF	ON	ON	ON	ON	OFF
123	ON	ON	OFF	ON	ON	ON	ON	OFF
124	OFF	OFF	ON	ON	ON	ON	ON	OFF
125	ON	OFF	ON	ON	ON	ON	ON	OFF
126	OFF	ON	ON	ON	ON	ON	ON	OFF
127	ON	ON	ON	ON	ON	ON	ON	OFF

ID	SW1-#1	SW1-#2	SW1-#3	SW1-#4	SW1-#5	SW1-#6	SW1-#7	SW1-#8
128	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
129	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON
130	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON
131	ON	ON	OFF	OFF	OFF	OFF	OFF	ON
132	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON
133	ON	OFF	ON	OFF	OFF	OFF	OFF	ON
134	OFF	ON	ON	OFF	OFF	OFF	OFF	ON
135	ON	ON	ON	OFF	OFF	OFF	OFF	ON
136	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON
137	ON	OFF	OFF	ON	OFF	OFF	OFF	ON
138	OFF	ON	OFF	ON	OFF	OFF	OFF	ON
139	ON	ON	OFF	ON	OFF	OFF	OFF	ON
140	OFF	OFF	ON	ON	OFF	OFF	OFF	ON
141	ON	OFF	ON	ON	OFF	OFF	OFF	ON
142	OFF	ON	ON	ON	OFF	OFF	OFF	ON
143	ON	ON	ON	ON	OFF	OFF	OFF	ON
144	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON
145	ON	OFF	OFF	OFF	ON	OFF	OFF	ON
146	OFF	ON	OFF	OFF	ON	OFF	OFF	ON
147	ON	ON	OFF	OFF	ON	OFF	OFF	ON
148	OFF	OFF	ON	OFF	ON	OFF	OFF	ON
149	ON	OFF	ON	OFF	ON	OFF	OFF	ON
150	OFF	ON	ON	OFF	ON	OFF	OFF	ON
151	ON	ON	ON	OFF	ON	OFF	OFF	ON
152	OFF	OFF	OFF	ON	ON	OFF	OFF	ON
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155	ON	ON	OFF	ON	ON	OFF	OFF	ON
156	OFF	OFF	ON	ON	ON	OFF	OFF	ON
157	ON	OFF	ON	ON	ON	OFF	OFF	ON
158	OFF	ON	ON	ON	ON	OFF	OFF	ON
159	ON	ON	ON	ON	ON	OFF	OFF	ON
160	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON
161	ON	OFF	OFF	OFF	OFF	ON	OFF	ON
162	OFF	ON	OFF	OFF	OFF	ON	OFF	ON
163	ON	ON	OFF	OFF	OFF	ON	OFF	ON
164	OFF	OFF	ON	OFF	OFF	ON	OFF	ON
165	ON	OFF	ON	OFF	OFF	ON	OFF	ON
166	OFF	ON	ON	OFF	OFF	ON	OFF	ON
167	ON	ON	ON	OFF	OFF	ON	OFF	ON
168	OFF	OFF	OFF	ON	OFF	ON	OFF	ON
169	ON	OFF	OFF	ON	OFF	ON	OFF	ON
170	OFF	ON	OFF	ON	OFF	ON	OFF	ON

安装与连接

ID	SW1-#1	SW1-#2	SW1-#3	SW1-#4	SW1-#5	SW1-#6	SW1-#7	SW1-#8
171	ON	ON	OFF	ON	OFF	ON	OFF	ON
172	OFF	OFF	ON	ON	OFF	ON	OFF	ON
173	ON	OFF	ON	ON	OFF	ON	OFF	ON
174	OFF	ON	ON	ON	OFF	ON	OFF	ON
175	ON	ON	ON	ON	OFF	ON	OFF	ON
176	OFF	OFF	OFF	OFF	ON	ON	OFF	ON
177	ON	OFF	OFF	OFF	ON	ON	OFF	ON
178	OFF	ON	OFF	OFF	ON	ON	OFF	ON
179	ON	ON	OFF	OFF	ON	ON	OFF	ON
180	OFF	OFF	ON	OFF	ON	ON	OFF	ON
181	ON	OFF	ON	OFF	ON	ON	OFF	ON
182	OFF	ON	ON	OFF	ON	ON	OFF	ON
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184	OFF	OFF	OFF	ON	ON	ON	OFF	ON
185	ON	OFF	OFF	ON	ON	ON	OFF	ON
186	OFF	ON	OFF	ON	ON	ON	OFF	ON
187	ON	ON	OFF	ON	ON	ON	OFF	ON
188	OFF	OFF	ON	ON	ON	ON	OFF	ON
189	ON	OFF	ON	ON	ON	ON	OFF	ON
190	OFF	ON	ON	ON	ON	ON	OFF	ON
191	ON	ON	ON	ON	ON	ON	OFF	ON
192	OFF	OFF	OFF	OFF	OFF	OFF	ON	ON
193	ON	OFF	OFF	OFF	OFF	OFF	ON	ON
194	OFF	ON	OFF	OFF	OFF	OFF	ON	ON
195	ON	ON	OFF	OFF	OFF	OFF	ON	ON
196	OFF	OFF	ON	OFF	OFF	OFF	ON	ON
197	ON	OFF	ON	OFF	OFF	OFF	ON	ON
198	OFF	ON	ON	OFF	OFF	OFF	ON	ON
199	ON	ON	ON	OFF	OFF	OFF	ON	ON
200	OFF	OFF	OFF	ON	OFF	OFF	ON	ON
201	ON	OFF	OFF	ON	OFF	OFF	ON	ON
202	OFF	ON	OFF	ON	OFF	OFF	ON	ON
203	ON	ON	OFF	ON	OFF	OFF	ON	ON
204	OFF	OFF	ON	ON	OFF	OFF	ON	ON
205	ON	OFF	ON	ON	OFF	OFF	ON	ON
206	OFF	ON	ON	ON	OFF	OFF	ON	ON
207	ON	ON	ON	ON	OFF	OFF	ON	ON
208	OFF	OFF	OFF	OFF	ON	OFF	ON	ON
209	ON	OFF	OFF	OFF	ON	OFF	ON	ON
210	OFF	ON	OFF	OFF	ON	OFF	ON	ON
211	ON	ON	OFF	OFF	ON	OFF	ON	ON
212	OFF	OFF	ON	OFF	ON	OFF	ON	ON
213	ON	OFF	ON	OFF	ON	OFF	ON	ON

ID	SW1-#1	SW1-#2	SW1-#3	SW1-#4	SW1-#5	SW1-#6	SW1-#7	SW1-#8
214	OFF	ON	ON	OFF	ON	OFF	ON	ON
215	ON	ON	ON	OFF	ON	OFF	ON	ON
216	OFF	OFF	OFF	ON	ON	OFF	ON	ON
217	ON	OFF	OFF	ON	ON	OFF	ON	ON
218	OFF	ON	OFF	ON	ON	OFF	ON	ON
219	ON	ON	OFF	ON	ON	OFF	ON	ON
220	OFF	OFF	ON	ON	ON	OFF	ON	ON
221	ON	OFF	ON	ON	ON	OFF	ON	ON
222	OFF	ON	ON	ON	ON	OFF	ON	ON
223	ON	ON	ON	ON	ON	OFF	ON	ON
224	OFF	OFF	OFF	OFF	OFF	ON	ON	ON
225	ON	OFF	OFF	OFF	OFF	ON	ON	ON
226	OFF	ON	OFF	OFF	OFF	ON	ON	ON
227	ON	ON	OFF	OFF	OFF	ON	ON	ON
228	OFF	OFF	ON	OFF	OFF	ON	ON	ON
229	ON	OFF	ON	OFF	OFF	ON	ON	ON
230	OFF	ON	ON	OFF	OFF	ON	ON	ON
231	ON	ON	ON	OFF	OFF	ON	ON	ON
232	OFF	OFF	OFF	ON	OFF	ON	ON	ON
233	ON	OFF	OFF	ON	OFF	ON	ON	ON
234	OFF	ON	OFF	ON	OFF	ON	ON	ON
235	ON	ON	OFF	ON	OFF	ON	ON	ON
236	OFF	OFF	ON	ON	OFF	ON	ON	ON
237	ON	OFF	ON	ON	OFF	ON	ON	ON
238	OFF	ON	ON	ON	OFF	ON	ON	ON
239	ON	ON	ON	ON	OFF	ON	ON	ON
240	OFF	OFF	OFF	OFF	ON	ON	ON	ON
241	ON	OFF	OFF	OFF	ON	ON	ON	ON
242	OFF	ON	OFF	OFF	ON	ON	ON	ON
243	ON	ON	OFF	OFF	ON	ON	ON	ON
244	OFF	OFF	ON	OFF	ON	ON	ON	ON
245	ON	OFF	ON	OFF	ON	ON	ON	ON
246	OFF	ON	ON	OFF	ON	ON	ON	ON
247	ON	ON	ON	OFF	ON	ON	ON	ON
248	OFF	OFF	OFF	ON	ON	ON	ON	ON
249	ON	OFF	OFF	ON	ON	ON	ON	ON
250	OFF	ON	OFF	ON	ON	ON	ON	ON
251	ON	ON	OFF	ON	ON	ON	ON	ON
252	OFF	OFF	ON	ON	ON	ON	ON	ON
253	ON	OFF	ON	ON	ON	ON	ON	ON
254	OFF	ON	ON	ON	ON	ON	ON	ON
255	ON	ON	ON	ON	ON	ON	ON	ON

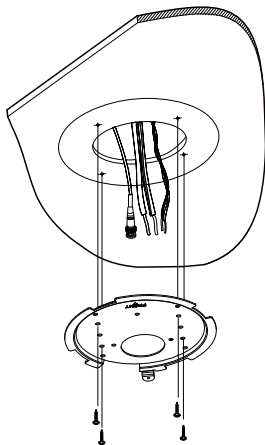
安装与连接

安装 (SNP-3120)

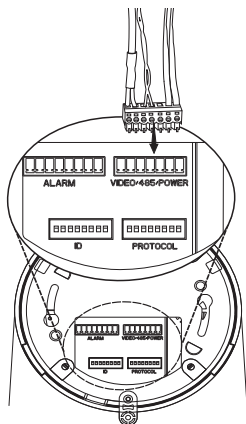
天花板安装

1. 在天花板上钻一个直径 60 毫米的孔并让电线从下面穿过它。
2. 将安装支架安装到孔上，并使用 4 颗螺钉固定它。

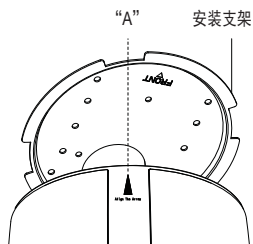
 在安装完成之前，不要将摄像机连接到电源插座。在安装期间供电可能会导致火灾或损坏产品。



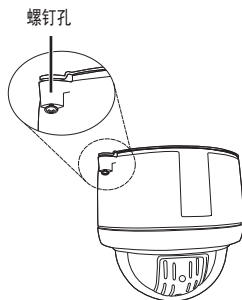
3. 将每根摄像机电线连接至摄像机底部的正确端子。有关更详细的说明，请参阅第 16 页：“摄像机接线接口板”。
4. 用于通信和 ID 设置的 DIP 开关位于摄像机底部。有关更多说明，请参阅第 22 页。



5. 让摄像机的“Align The Arrow”三角边与安装支架“FRONT”端左边的标记（如图中“A”所示）对齐。
6. 在将摄像机插入安装支架之后，顺时针旋转摄像机模块大约 25°。



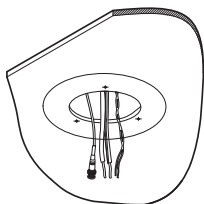
7. 使摄像机的螺钉孔对准安装支架，然后拧紧螺钉。



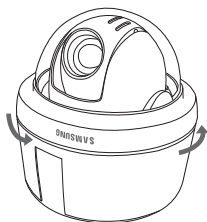
安装与连接

齐平安装型安装示例

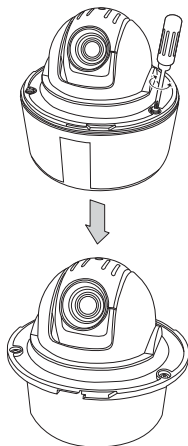
1. 贴上模板，然后根据模板上标记的 143 mm 直径孔钻孔。通过孔拉出摄像机电线。钻另外一个小孔，以使用螺钉固定摄像机。



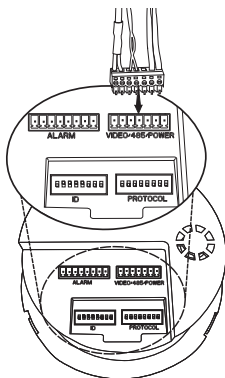
2. 逆时针旋转圆顶盖以将它从摄像机中拆下。



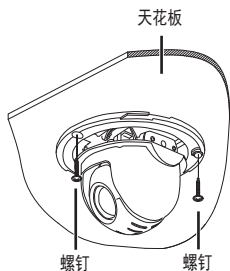
3. 取下 3 颗螺钉，然后从摄像机中拆下安装外壳。



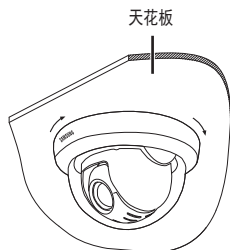
4. 将每根摄像机电线连接至摄像机底部的正确端子。（请参阅第 16 页：“**摄像机接线接口板**”）。在摄像机底部配置通信和 ID 的 DIP 开关（请参阅第 19~21 页）。



5. 使摄像机与开花板上的孔对准，然后使用 3 个产品附带提供的固定螺钉 (M4x20) 固定摄像机。



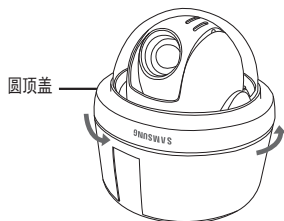
6. 将圆顶护盖上的沟插入到摄像机上的沟中，然后顺时针旋转以拧紧。



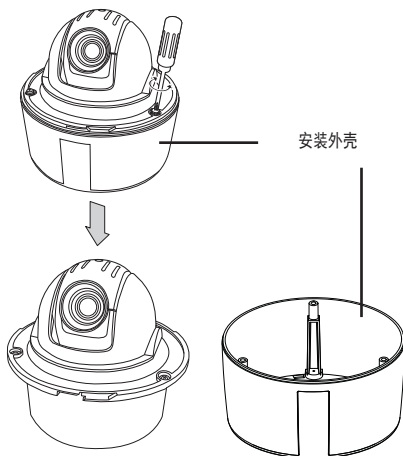
安装与连接

安装附件(需单独购买)

1. 逆时针旋转圆顶盖并与摄像机分离。



2. 卸下 3 颗螺钉并使安装外壳与摄像机分离。

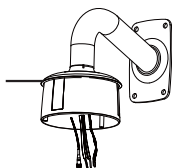


3. 使用 4 颗螺钉 (M4xL16) 将安装外壳固定到悬挂式安装适配器 (SBP-300HM) 上。

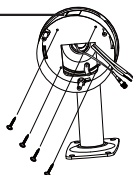


- 螺钉装配时，为了防止安装外壳的变形，请把扭矩固定 3kgf 以下。

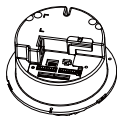
悬挂式安装适配器



悬挂式安装适配器



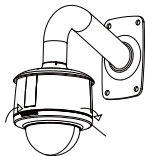
4. 将电线连接到接线端子，然后将它安装到摄像机的底部。
(请参阅第 16 页上的“摄像机接线接口板”。)
设置通信协议和摄像机低部的 ID DIP 开关。(请参阅第 19~21 页。)



5. 使用步骤 2 中卸下的 3 颗螺钉将摄像机固定到安装外壳。



6. 安装圆顶盖，并顺时针旋转它以固定。

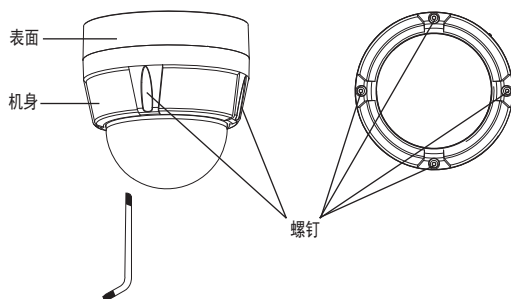


安装与连接

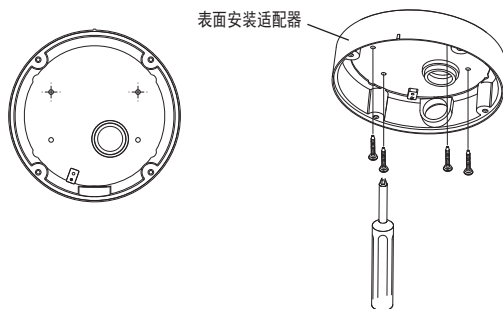
安装 (SNP-3120V)

天花板安装

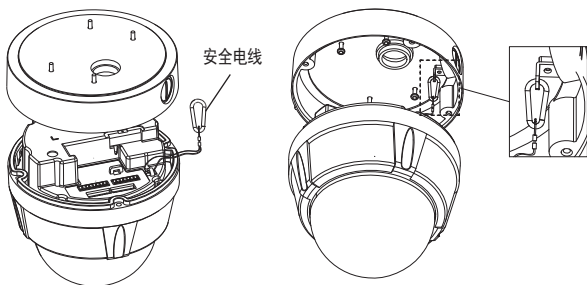
1. 使用提供的 L 形扳手，通过逆时针松开 4 个螺钉取下表面安装适配器。



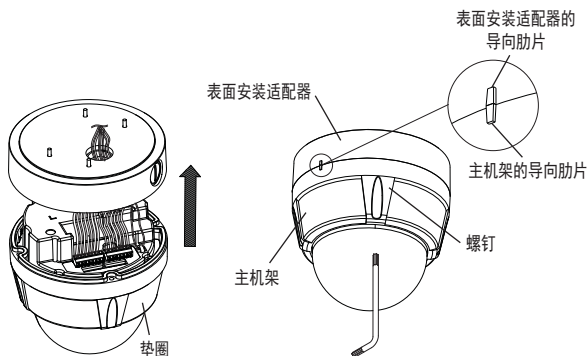
2. 为要插入表面安装适配器底部的螺钉 (x4) 钻孔 (每个直径 5 mm 且至少 35 mm 深)，并将提供的塑料固定器 (HUD5) 插入到底。
将电缆插入电缆孔，将自攻螺钉 (TH M4xL30) 拧入插入孔中的塑料固定器中以固定表面安装适配器。(x4)



3. 将安全电线（连接到摄像机）如图所示连接到表面安装适配器。然后，请布置电缆。
 - 有关接线的详细信息，请参阅“摄像机接线接口板”（第 16 页）



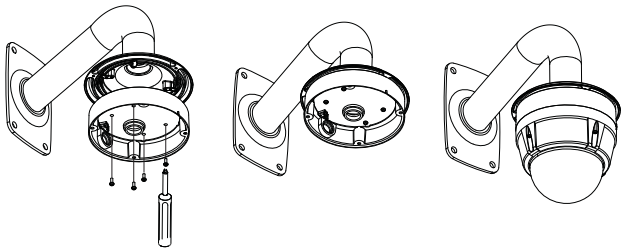
4. 将电缆布置在表面安装适配器内，以使它们不会纠缠或卡住，并使摄像机的导向肋片与表面安装适配器的导向肋片对齐。使用 L 形扳手拧紧螺钉 (x4) 以使摄像机固定到安装适配器上。要确保防水，请注意外垫圈不应松弛或卡住。



安装与连接

安装到最佳适配器上

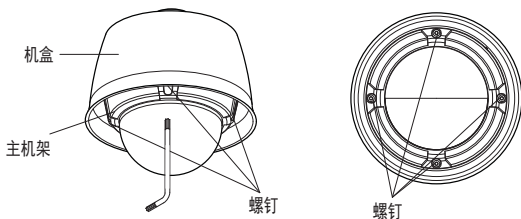
1. 执行上面的“天花板安装”中的第一步，并取下表面安装适配器。
2. 将电缆插入表面安装适配器上的电缆孔并使用机器螺钉 (BH, M4xL10, x4) 将它们固定到 SBP-300HM (悬挂安装) 上。



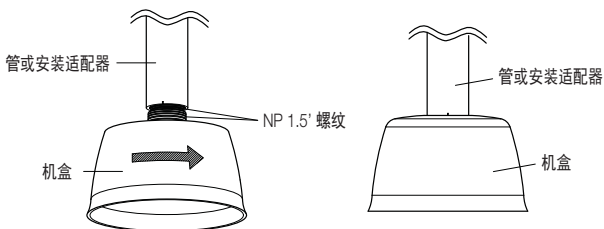
3. 重复上面的“天花板安装”中的第 3 步至第 4 步，以完成安装。

安装 (SNP-3120VH)

1. 使用提供的 L 形扳手逆时针 4 个螺钉，这将有助于取下机盒。



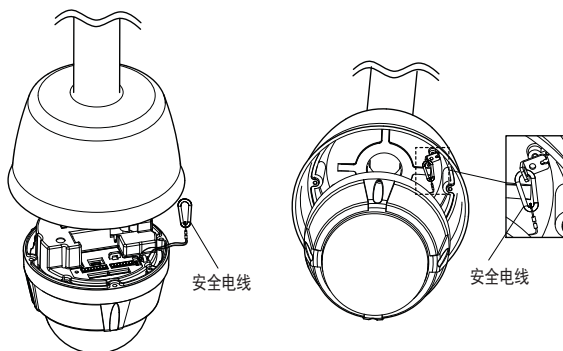
2. 通过顺时针转动机盒，将它固定到 NP 1.5" 螺纹管、墙上安装适配器 (SBP-300WM) 或天花板安装适配器 (SBP-300CM) 上。为了两个零部件之间的防水和锁定，请使用四氟乙烯塑料带缠绕它们。



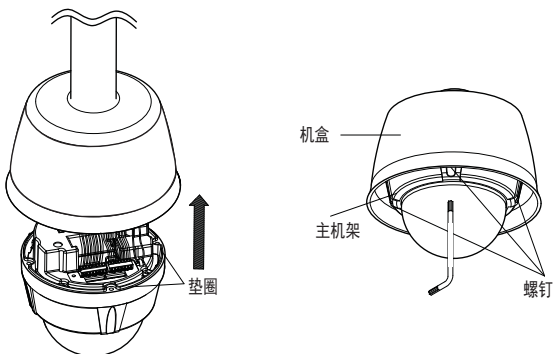
安装与连接

3. 将安全电线（连接到产品）如图所示固定到机盒上。

- 有关电缆连接的详细信息，请参阅本手册中的“摄像机接线接口板”节。



4. 将电缆布置在机盒内以免损坏或卡住，并使用 L 形扳手将 4 个螺钉拧紧到机盒上。为确保防水，这一步需要特别小心。否则，产品外侧的垫圈可能松弛或卡住。



可选的安装附件

为了方便安装,您可以购买可选的附件。

1. 当将摄像机安装在墙上时

- SNP-3120、SNP-3120V:
墙上安装适配器 (SBP-300WM) + 悬挂安装适配器 (SBP-300HM)

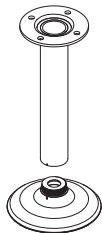


- SNP-3120VH:
墙上安装适配器 (SBP-300WM)

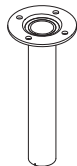


2. 当将摄像机安装在天花板上时

- SNP-3120、SNP-3102V:
天花板安装适配器 (SBP-300CM) + 悬挂安装适配器 (SBP-300HM)

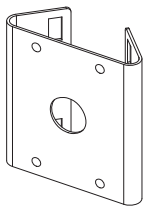


- SNP-3120VH:
天花板安装适配器 (SBP-300CM)

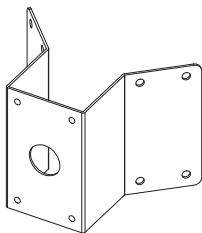


安装与连接

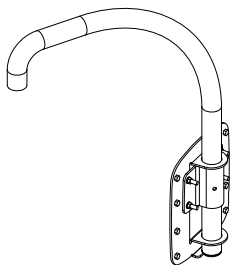
3. 当将墙上安装适配器 (SBP-300WM) 安装在直径大于 80 毫米的柱子上时:
柱式安装适配器 (SBP-300PM)



4. 当将墙上安装适配器 (SBP-300WM) 安装在墙角时:
角落安装适配器 (SBP-300KM)



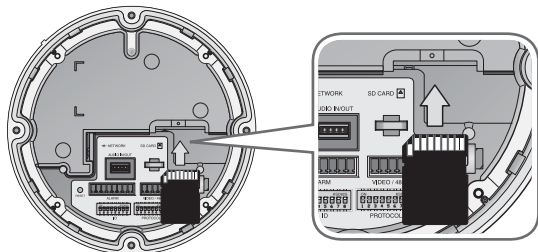
5. 当将 SNP-3120VH 安装在建筑的屋顶时:
胸墙安装适配器 (SBP-300LM)



插入/拔出 SD 记忆卡

插入 SD 记忆卡

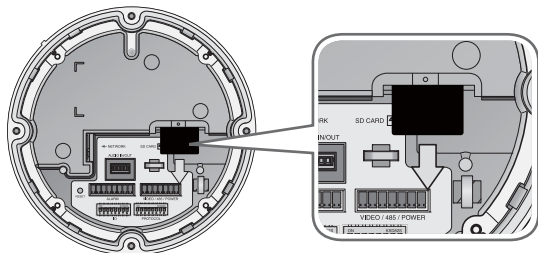
将 SD 记忆卡按图示箭头的方向推入。



- 请勿在 SD 内存卡翻转时用力插入。否则，可能会损坏 SD 内存卡。

拔出 SD 记忆卡

轻轻地按压记忆卡露在外面的一端，依图示的方式从插槽中弹出记忆卡。



- 过度用力按压 SD 记忆卡可能会导致卡不可控制地从插槽中弹出。
- 要卸下 SD 内存卡，请从 **<SD 录制>** 将 **<录制>** 设置为 **<关>**，然后按 **[应用 ()]**。(第 94 页)
- 如果在 SD 内存卡中保存了数据，则卸下 SD 内存卡将损坏卡中存储的数据。

安装与连接

记忆卡信息(不含)

什么是记忆卡?

记忆卡是一种外部数据储存设备,它的开发为使用数字设备进行录制和共享音频、视频和文本数据提供了崭新的方式。

选择一款适合您的记忆卡

您的摄像头支持 SDHC 记忆卡。

根据记忆卡的型号和制作材料不同,您可能会遇到兼容性的问题。

对您的摄像头,我们建议您使用以下厂商制造的记忆卡:

SDHC/SD 记忆卡:Sandisk, Transcend, Kingston

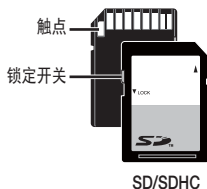
回放性能可能受记忆卡速度的影响,因此,请使用高速记忆卡。

记忆卡的使用

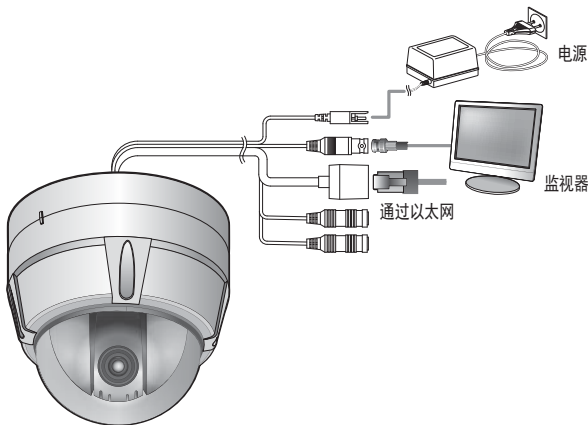
SD 和 SDHC 记忆卡有一个能够禁止写入的开关。

将开关拨到锁定位置能够保证记忆卡中的数据不会因意外删除,但同时,您也无法向其中写入数据。

❖ 记忆卡组件



与其他设备连接



连接至监视器

将摄像机的视频输出端口连接至监视器的视频输入端口。



- 在摄像机的初始安装时，可以将摄像机连接至监视器以检查连接状态。
- 将监视器测试电缆连接至监视器的输出端口。

以太网连接

将以太网电缆连接到本地网络或互联网。

电源

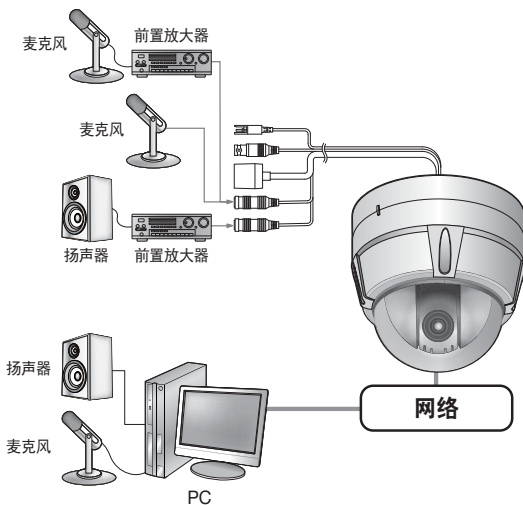
使用螺丝刀将每股电源线 (+, -) 连接至摄像机的相应电源端口。



- 您也可以使用具有 PoE（以太网供电）功能的路由器为摄像机供电。
- 如果使用 PoE，加热器将根本不起作用。(SNP-3120V/VH)
如果安装地点要求加热器操作，请使用适配器。适配器需单独购买。有关电源规格，请参考“附录”。（第 108 页）

安装与连接

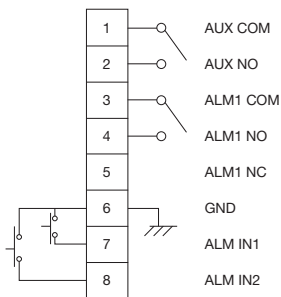
连接音频输入/输出



1. 将摄像头的 AUDIO IN 端口直接与麦克风连接，或与和麦克风连接的放大器的 LINE OUT 端口相连。
2. 将摄像头的 AUDIO OUT 端口与扬声器的 LINE IN 连接。
3. 检查音频输入的规格。

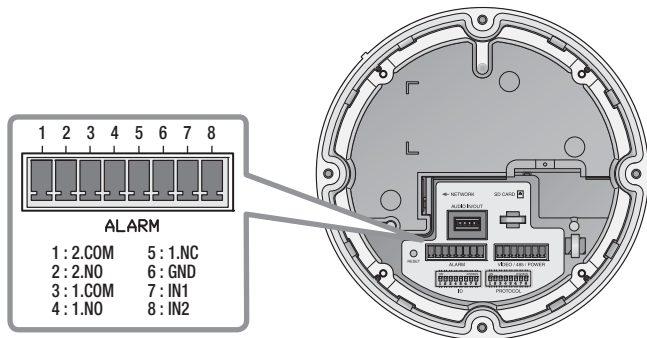
- **音频编解码器**
G.711 PCM. μ -law 64kbps 8kHz sampling
- **全双工音频**
- **音频输入**
使用单声道信号线路输入（最大2.4 Vpp）
- **音频输出**
使用单声道信号线路输出（最大2.4 Vpp）
- **线路输出阻抗**
600 Ω

警报 I/O 接线图



连接到 I/O 端口盒

将警报 I/O 信号连接到后面端口盒的相应端口。



有关每个端子的详细信息，请参阅“摄像机接线接口板”（第 16 页）

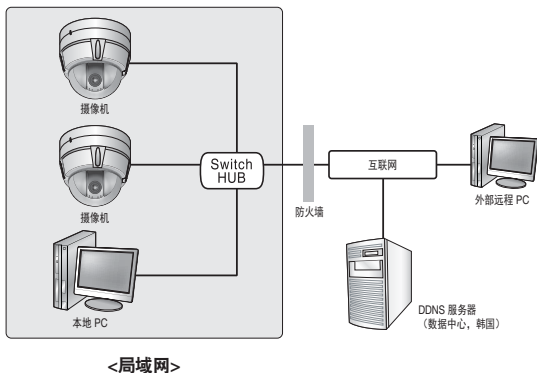
网络连接和设置

可根据您的网络配置来设置网络的设定。

将摄像头与局域网直接连接

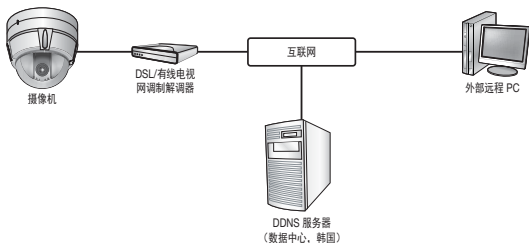
连接局域网内的本地 PC 和摄像头

1. 启动本地 PC 上的网络浏览器。
2. 在浏览器的地址栏中输入 IP 地址。



- 在正确设置防火墙或端口转发前，局域网外部的远程互联网 PC 可能无法连接安装于内部网的摄像头。
在此情况下，联系网络管理员解决问题。
- 根据出厂默认值，会自动从 DHCP 服务器分配 IP 地址。如果没有可用的 DHCP 服务器，则会将 IP 地址设置为 192.168.1.100。
要更改 IP 地址，请使用 IP Installer。
有关 IP Installer 使用的详细信息，请参阅“静态 IP 设置”。（第 51 页）

将摄像机直接连接至基于 DHCP 的 DSL/有线电视网调制解调器



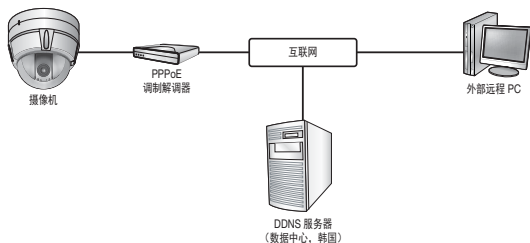
1. 使用交叉 LAN 电缆将网络电缆直接连接至您的 PC。
2. 运行 IP Installer 并更改摄像机的 IP 地址，以便可以使用桌面上的 Web 浏览器连接至互联网。
3. 使用互联网浏览器连接至摄像机。
4. 移至 [设置] 页面。
5. 移至 [网络] - [DDNS] 并配置 DDNS 设置。
6. 移至 [网络] - [接口]，并将网络类型设置为 [DHCP]。
7. 将摄像机（已从您的 PC 上拔下）直接连接至调制解调器。
8. 重新启动摄像机。



- 有关注册 DDNS 设置，请参阅“注册 DDNS”。(第 90 页)
- 有关配置 DDNS 设置，请参阅“DDNS”。(第 89 页)
- 有关设置网络类型，请参阅“接口”。(第 88 页)

网络连接和设置

直接将摄像机连接到 PPPoE 调制解调器



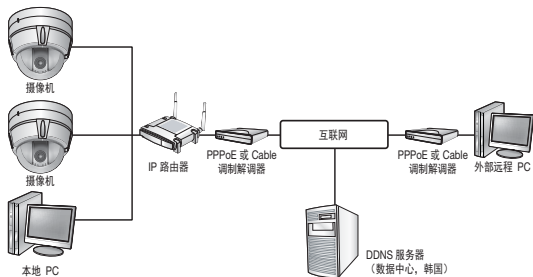
1. 使用交叉 LAN 电缆将网络电缆直接连接至您的 PC。
2. 运行 IP Installer 并更改摄像机的 IP 地址，以便可以使用桌面上的 Web 浏览器连接至互联网。
3. 使用互联网浏览器连接至摄像机。
4. 移至 [设置] 页面。
5. 移至 [网络] - [DDNS] 并配置 DDNS 设置。
6. 移至 [网络] - [接口]，并将网络类型设置为 [PPPoE]。
7. 将摄像机（已从您的 PC 上拔下）直接连接至调制解调器。
8. 重新启动摄像机。



- 有关注册 DDNS 设置，请参阅“注册 DDNS”。(第 90 页)
- 有关配置 DDNS 设置，请参阅“DDNS”。(第 89 页)
- 有关设置网络类型，请参阅“接口”。(第 88 页)

将摄像头与使用 PPPOE/CABLE 调制解调器的 IP 路由器连接

适用于小型网络环境,如家庭、SOHO 以及普通的商店。



配置连接到 IP 路由器

在配置连接到 IP 路由器的本地 PC 的网络设置时,遵循以下说明。

- 选择 : <Network Neighborhood> → <Properties> → <Local Area Connection> → <Properties> → <General> → <Internet Protocol (TCP/IP)> → <Properties> → <Obtain an IP address automatically> 或 <Use the following IP address>.
- 若您选择的是 <Use the following IP address>, 遵照以下说明操作:

例1) 若 IP 路由器的地址 (LAN IP) 为 192.168.1.1

IP 地址 :192.168.1.100

子掩网码 :255.255.255.0

默认网关 :192.168.1.1

例2) 若 IP 路由器的地址 (LAN IP) 为 192.168.0.1

IP 地址 :192.168.0.100

子掩网码 :255.255.255.0

默认网关 :192.168.0.1

例3) 若 IP 路由器的地址 (LAN IP) 为 192.168.xxx.1

IP 地址 :192.168.xxx.100

子掩网码 :255.255.255.0

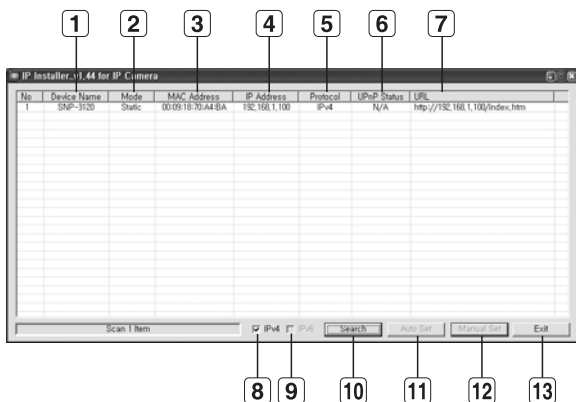
默认网关 :192.168.xxx.1



- 关于 IP 路由器的地址, 请参见产品文档。
- 请参阅 IP 路由器文档的“端口范围前移(端口映射)设置”章节。(第 55 页)

网络连接和设置

在 IP INSTALLER 中使用的按钮



项目	说明
1 Device Name	已连接摄像机的型号名称。 单击此列可以按型号名称对列表进行排序。 但是,如果在搜索时单击将会停止搜索。
2 Mode	对当前网络连接状态显示 <Static> 或 <Dynamic>。
3 MAC(Ethernet) Address	已连接摄像机的以太网地址。 单击此列可以按以太网对列表进行排序。 但是,如果在搜索时单击将会停止搜索。
4 IP Address	IP 地址。 单击此列可以按 IP 地址对列表进行排序。 但是,如果在搜索时单击将会停止搜索。 出厂默认设置为“192.168.1.100”。
5 Protocol	摄像机的网络设置。 出厂默认设置为“IPv4”。 使用 IPv6 设置的摄像机将显示“IPv6”。
6 UPnP Status	此功能当前不可用。

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



- 对于 IP Installer, 请仅使用在安装 DVD 中提供的安装程序版本, 或者使用最新版本 (如果可用)。您可以从产品网站下载最新版本。

静态 IP 设置

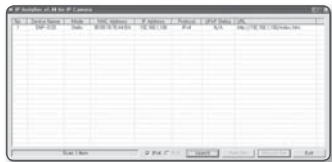
手动网络设置

运行 <IP Installer_vX.XX.exe> 以显示摄像机搜索列表。
在初始启动时, [Auto Set] 和 [Manual Set] 将呈灰色。



- 对于以 IPv6 设置为基础的摄像机, 这些按钮将呈灰色, 因为摄像机不支持此功能。

- 从搜索列表选择一个摄像机。
找到摄像机后面标签上的 MAC (以太网) 地址。
将激活 [Auto Set] 和 [Manual Set] 按钮。
- 单击 [Manual Set]。
Manual Setting 对话框将会出现。
将显示摄像机的 <IP Address>、<Subnet Mask>、<Gateway>、<HTTP Port> 和 <VNP Port> 默认值。



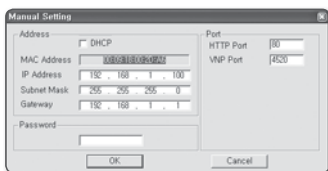
网络连接和设置

3. 在 <Address> 窗格中，提供必需的信息。

- MAC (Ethernet) Address: 将自动设置适用摄像机的 MAC (以太网) 地址，因此您无需手动输入。



- 只有在未选中 DHCP 复选框的情况下，才能配置静态 IP 设置。

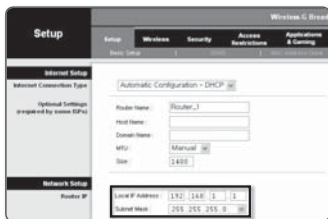


如果使用 IP 路由器

- IP Address: 输入 IP 路由器提供的 IP 范围内的地址。

例) 192.168.1.2~254,
192.168.0.2~254,
192.168.XXX.2~254

- Subnet Mask: IP 路由器的 <Subnet Mask> 将是摄像机的 <Subnet Mask>。
- Gateway: IP 路由器的 <Local IP Address> 将是摄像机的 <Gateway>。



- 设置可能因连接的 IP 路由器型号而异。有关详细信息，请参阅适用路由器的用户手册。
- 请参阅 IP 路由器文档的“端口范围前移(端口映射)设置”章节。(第 55 页)

如果不使用 IP 路由器

若要设置 <IP Address>、<Subnet Mask> 和 <Gateway>，请联系网络管理员。

4. 在 <Port> 窗格中，提供必需的信息。

- HTTP Port: 用于使用互联网浏览器访问摄像机，默认值为 80。使用旋钮更改 HTTP 端口值。
- VNP Port: 用于控制视频信号传输，默认值为 4520。

5. 输入密码。

这是访问摄像机的“admin”用户的登录密码。
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密码。请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。

6. 单击 [OK]。

将完成手动网络设置。

7. 在完成包括 IP 的手动设置后，摄像机将重新启动。

如果 IP 路由器连接了多个摄像机

彼此清楚地配置 IP 相关设置和端口相关设置。

类别		摄像机 1	摄像机 2
IP 相关设置	IP Address	192.168.1.100	192.168.1.101
	Subnet Mask	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
端口相关设置	HTTP Port	8080	8081
	VNP Port	4520	4521



- 如果 <HTTP Port> 设置为除 80 以外的值，您必须在互联网浏览器的地址栏中提供 <Port> 号，才能访问摄像机。

例) http://IP address: HTTP Port
http://192.168.1.100:8080

自动网络设置

运行 <IP Installer_vX.XX.exe> 以显示摄像机搜索列表。

在初始启动时，[Auto Set] 和 [Manual Set] 将呈灰色。



- 对于以 IPv6 设置为基础的摄像机，这些按钮将呈灰色，因为摄像机不支持此功能。

1. 从搜索列表选择一个摄像机。

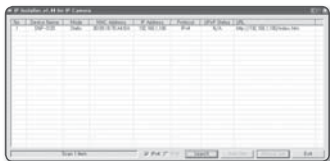
找到摄像机后面标签上的 MAC（以太网）地址。

将激活 [Auto Set] 和 [Manual Set] 按钮。

2. 单击 [Auto Set]。

Auto Setting 对话框将会出现。

将自动设置 <IP Address>、<Subnet Mask> 和 <Gateway>。



网络连接和设置

3. 输入密码。

这是访问摄像机的“admin”用户的登录密码。

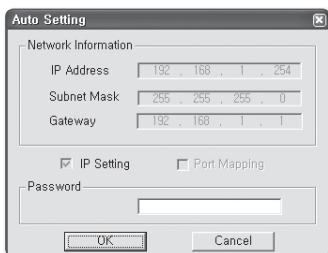
默认密码为“4321”。

- 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密码。

请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。

4. 单击 [OK]。

将完成自动网络设置。



动态 IP 设置

动态 IP 环境设置

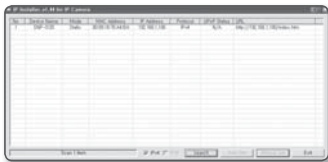
• 动态 IP 环境示例

- 如果连接了摄像机的 IP 路由器由 DHCP 服务器分配了 IP 地址
- 如果使用 DHCP 协议将摄像机直接连接至调制解调器
- 如果 IP 由内部 DHCP 服务器通过 LAN 分配

检查动态 IP

1. 在用户的本地计算机上运行 IP Installer，以显示分配有列表中的 <Dynamic IP> 地址的摄像机。
2. 从列表中选择摄像机，然后单击 [Manual Set] 检查摄像机的 <Dynamic IP>。

如果取消选取 <DHCP>，您即可将 IP 或 <Port> 更改为 <Static>。

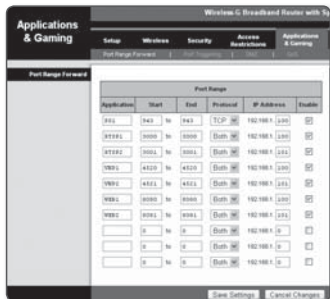


端口范围前移(端口映射)设置

如果您安装了连接摄像机的 IP 路由器,就必须设置在 IP 路由器上前移的端口范围,以便远程 PC 可以其中的摄像机。

手动端口范围前移

1. 从 IP 路由器的 Setup 菜单中,选择 **<Applications & Gaming>** - **<Port Range Forward>**。
对于第三方 IP 路由器端口范围前移设置,请参阅该 IP 路由器的用户手册。
2. 对连接到 IP 路由器的每个摄像机选择 **<TCP>** 和 **<UDP Port>**。
IP 路由器的每个端口号都应该与在摄像机设置菜单的 **<网络>** - **<端口>** 中指定的端口号相符。
3. 完成后,单击 **[Save Settings]**。
将保存设置。



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

网络连接和设置

设置多个网络摄像机的端口范围前移

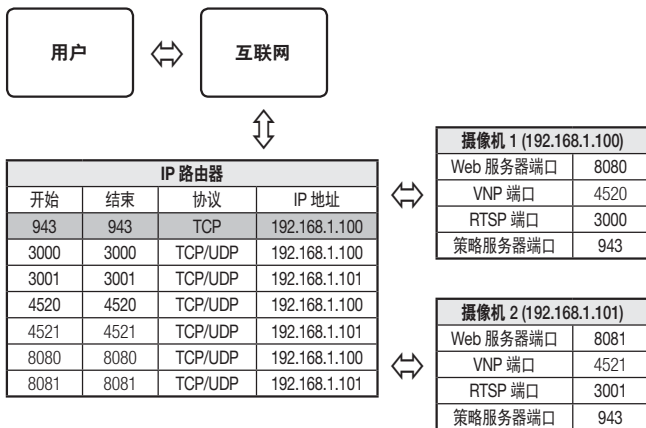
当多个网络摄像机连接到一个 IP 路由器设备时,您应将路由器的 TCP 943 端口前移到所连接摄像机的 TCP 943 端口。



■ 如果您没有正确设置路由器的 TCP 943 端口,则无法从摄像机的网页上获得任何视频流。

- TCP 943 端口是摄像机的 Silverlight 策略服务器端口。

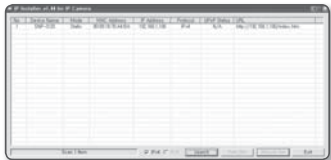
当摄像机 1 和摄像机 2 连接至同一路由器时:



- 您可通过配置网页在 IP 路由器设备上设置正向端口的规则。
- 您无法更改摄像机的 Silverlight 策略服务器端口。
- 您可通过其配置网页更改摄像机的端口,但不可更改策略服务器端口。

从共享的本地 PC 连接到摄像机

1. 运行 IP Installer。
它将扫描连接的摄像机，并显示摄像机列表。
2. 双击要访问的摄像机。
互联网浏览器将启动，并连接到摄像机。



■ 您也可以在互联网浏览器的地址栏中键入所发现摄像机的 IP 地址的方式访问摄像机

从远程 PC 通过互联网连接到摄像机

由于不允许在不属于 IP 路由器网络群集的远程计算机上使用 IP Installer, 所以用户需通过摄像机的 DDNS URL 在 IP 路由器网络内访问摄像机。

1. 您应该设置 IP 路由器端口范围前移, 然后才能访问 IP 路由器网络中的摄像机。
2. 从远程 PC 启动互联网浏览器, 并在地址栏中键入摄像机的 DDNS URL 地址, 或 IP 路由器的 IP 地址。
例) <http://www.samsungipolis.com/>[制品用户]

web 查看器

连接到摄像机

通常,您应该:

1. 启动互联网浏览器。
2. 在地址栏中键入摄像机的 IP 地址。
例) • IP 地址 (IPv4) : 192.168.1.100
→ http://192.168.1.100
- 将会出现登录对话框。
• IP 地址 (IPv6) : 2001:230:abcd:ffff:0000:0000:ffff:1111
→ http://[2001:230:abcd:ffff:0000:0000:ffff:1111]



如果 HTTP 端口为除 80 以外的值

1. 启动互联网浏览器。
2. 在地址栏中键入摄像机的 IP 地址和 HTTP 端口号。
例) IP 地址 : 192.168.1.100:HTTP 端口号(8080)
→ http://192.168.1.100:8080 - 将会出现登录对话框。

使用 URL

1. 启动互联网浏览器。
2. 在地址栏中键入摄像机的 DDNS URL。
例) URL 地址 : http://www.samsungipolis.com/[制品用户]
- 将会出现登录对话框。

检查 DDNS 地址

如果摄像机直接连接到 DHCP 有线电视网调制解调器、DSL 调制解调器或 PPPoE 调制解调器，每当您尝试连接到 ISP(互联网服务提供商)服务器时，您的网络 IP 地址都会更改。在这种情况下，将不会通知您 IP 地址已被 DDNS 更改。

一旦您向 DDNS 服务器注册了基于动态 IP 的设备，当尝试访问该设备时，就可以轻松检查更改的 IP。

要将 IP 地址添加到 <DDNS> 服务器，请访问 www.samsungipolis.com 并注册您的设备，再将 DDNS 选项设置为 <Samsung DDNS>，然后提供 DDNS 服务器的主机名。

登录

默认的用户 ID 为“admin”，默认密码为“4321”。

1. 在 <User Name> 输入框中输入“admin”。
2. 在 <Password> 输入框中输入“4321”。
如果更改了密码，请输入更改的密码。
3. 单击 [OK]。
如果已成功登录，您将会看到 Live Viewer 屏幕。

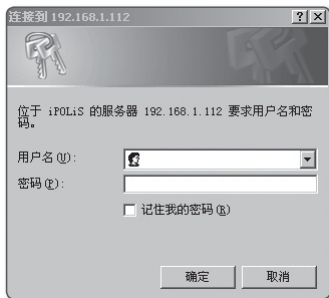


- 为安全起见，请确保在 <系统> - <用户> 中更改了密码。
管理员 ID，即“admin”是固定的，无法更改。

- 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改密码。
请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。
- 如果您在完成输入之后选中“记住我的密码 (R)”选项，则从下次起将自动登录，而不会提示输入登录信息。



- 如果您使用 Internet Explorer 7.0 或 8.0 作为默认的 Web 浏览器，就可以使用 100% 的屏幕比查看最佳图像质量。降低该比率可能会切掉边框上的图像。



web 查看器

本网络摄像机使用 Microsoft Silverlight 来显示视频。

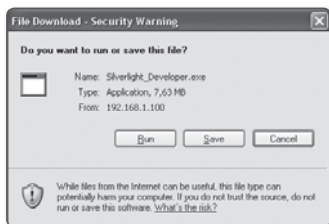
安装 SILVERLIGHT RUNTIME

如果您的计算机未安装 Silverlight Runtime 或只安装了 Runtime 旧版本,当访问 Web 查看器时,会自动将打开 Silverlight Runtime 安装页面。

1. 单击 <Click Here>。



2. 当文件下载对话框弹出时, 请单击 <Run>。



3. 完成下载后, 请单击 <Run>。



4. 将显示 Silverlight Runtime 安装页面。单击 <Install now> 以进行安装。



5. 完成后，请单击 <Close>。



6. 关闭并重新启动 Web 浏览器，然后尝试访问 Web 查看器。

正确安装 Silverlight Runtime 后，将看到现场屏幕。



■ 为了使安装正常进行，请按以下方式设置拦截弹出窗口设置：
Internet Explorer → 工具 → 拦截弹出窗口 → 总是允许当前网站的弹出窗口 (A)

■ 但是，未连接至互联网的 MAC OS X 用户，可以使用提供的安装 DVD 来安装 Silverlight Runtime（运行 DVD 中的可执行文件 "Silverlight_xxx.dmg"）。将会指导您完成软件的安装过程。

web 查看器

使用现场屏幕



项目	说明
1 正在监视	移至监视屏幕。
2 播放	切换至播放 SD 内存卡中录制的数据的监视屏幕。
3 设置	移至设置屏幕。
4 查看器屏幕	显示屏幕上的现场视频。
5 警报输出	激活警报输出端口。
6 音频	在屏幕上显示音频监听和交谈切换按钮。
7 隐藏警报指示器	隐藏查看器屏幕边沿附近的警报指示器。
8 摄像机菜单	用于检索和自定义摄像机设置菜单。 有关选择和保存各菜单项的信息,请参阅“使用摄像机菜单”。 (第 67 页)

项目	说明
9 PTZ	可以调整摄像机的水平/上下角度以及变焦系数。
10 数字 PTZ	可以使用鼠标滚轮以激活数码缩放。
11 屏幕优化.全屏	将屏幕调整为最佳大小,并在现场屏幕上显示全屏图标。
12 捕捉	以 .bmp 格式将快照另存为图像文件。
13 视频格式	可以在 <音频&视频> 设置菜单下的 <视频配置文件> 中选择配置文件类型。 ☒ 对于 IE 6.0 用户,如果未播放选择的配置文件,请按 <视频配置文件> 对话框旁边的“浏览”按钮,然后重新选择配置文件类型。 ☒ 如果显示“编解码器无效”消息,请再次从配置文件列表中选择配置文件类型。



- 如果温度低于操作范围,则可能不会产生视频信号。此种情况下,请等待视频。

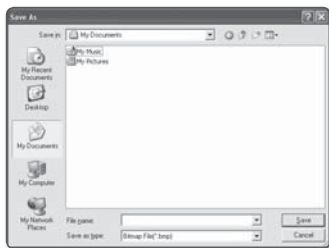
捕捉快照

- 在场景上单击 [] 进行捕捉。
捕捉对话框将会出现。

- 单击 [Save] 按钮。
屏幕截图会保存在指定的路径中。



- 如果使用 IE8 作为默认 Web 浏览器,请选择“工具-Internet 选项-安全”并取消选择“使用保护模式”。



web 查看器

切换音频声音

1. 单击 [音频 (🔊)] 按钮。
查看器中将显示相应的按钮。
2. 单击该按钮以根据需要听取声音/静音。
此按钮工作方式切换按钮。



切换麦克风声音

1. 单击 [麦克风 (🎤)] 按钮。
查看器中将显示相应的按钮。

! 若没有麦克风, “无法找到音频录制设备” 消息将会出现。

2. 单击该按钮以开始/停止交谈。
此按钮工作方式切换按钮。
单击麦克风按钮时, Silverlight 权限对话框将会出现。



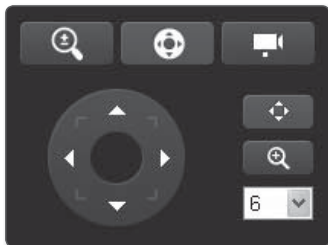
适合全屏

1. 单击 [全屏 (🖥️)] 按钮。
查看器中将显示相应的按钮。
2. 单击该按钮。
这将使查看器适合全屏。
3. 要退出全屏模式, 请按键盘上的 [Esc]。

控制 PTZ

1. 按下 [PTZ (🔍)] 按钮。
2. 当屏幕上出现 PTZ 按钮条时, 请使用方向按钮根据您的喜好调整摄像机角度、变焦系数或聚焦。

📖 有关 PTZ 使用的详细信息, 请访问 “PTZ 设置”。(第 83 页)



激活预设

要在现场屏幕中执行指定的预设, 请右键单击并选择想要的预设编号。

播放

1. 单击 [播放 (▶)] 按钮。
2. 指定搜索的开始和结束时间。
3. 选择搜索类型。
4. 单击 [搜索 (🔍)] 按钮。
搜索结果将显示在列表中。



- 如果在搜索时间段内录制了超过 500 个事件, 则搜索将限制为录制第 500 个事件的日期。

例如, 如果搜索时间段在一个月的第 10 天和第 15 天之间, 并且在第 10 天到第 11 天录制了超过 800 个事件, 则搜索将限制为最多第 11 天 (共 800 个事件), 将找不到之后 (从第 12 天开始) 的事件。

5. 在搜索列表中选择要播放的数据项目。
6. 单击 [播放 (▶)] 按钮。
7. 要停止播放视频, 请单击 [停止 (■)]。要返回到搜索屏幕, 请单击 [退出 (⏮)]。



检查播放视频的时间信息

1. 单击 [关于 (i)] 按钮。
2. 日期和时间信息将会出现在屏幕上。

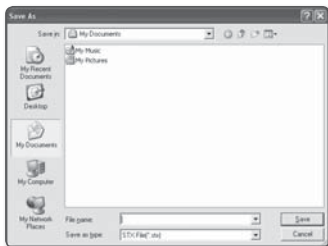
web 查看器

备份搜索到的视频

1. 在场景上单击 [] 进行备份。
另存为窗口出现。
2. 单击 [Save]。
屏幕截图将备份到指定的路径中。



- 如果使用 IE8 作为默认 Web 浏览器，请选择“工具-Internet 选项-安全”并取消选择“使用保护模式”。

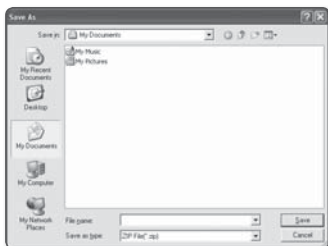


播放备份录制文件

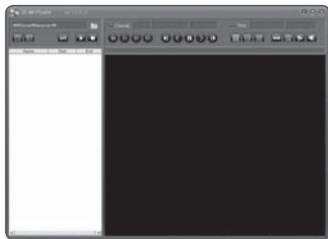
您可使用 SlimPlayer 播放备份录制文件。

下载 SlimPlayer

1. 单击 [SlimPlayer ()]。
将显示下载对话框，可在其中指定下载路径。
2. 指定路径以及正确的文件名，然后单击 [Save]。



3. 解压下载的文件，并运行可执行文件。



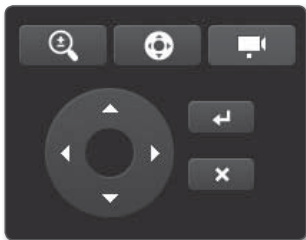
摄像机设置

使用摄像机菜单

如果您运行 Web 查看器设置菜单,请按照以下步骤操作。

1. 启动 Web 查看器。
2. 单击现场屏幕左下角的**摄像机菜单** ()。
3. 使用上/下 (▲/▼) 按钮移至所需的项目。
4. 单击**进入** ()。然后,使用上/下 (▲/▼) 按钮移动到所需的项目。
5. 要访问子菜单项,请单击**进入** ()。
6. 要移到上一个菜单或退出菜单设置,请单击**取消** () 按钮。

 : 此箭头会出现在包含子项的菜单旁。



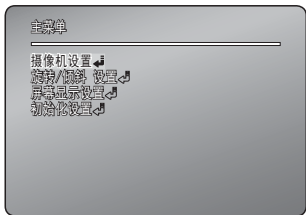
 如果启用了 <智能视频分析功能>, 则可将摄像机的 OSD 菜单操作设置为事件。

摄像机设置

可以设置摄像机模块的一般功能。

启动菜单

1. 单击**摄像机菜单** () 按钮。
2. 当主菜单显示在屏幕上时,请使用方向按钮移到所需的菜单。

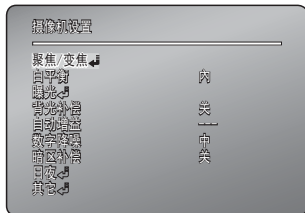


摄像机设置

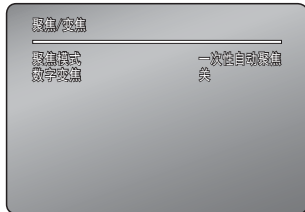
聚焦/变焦

主菜单 → 摄像机设置 → 聚焦/变焦

- 聚焦模式
 - 自动：执行连续自动聚焦。
 - 手动：将摄像机模式更改为“手动聚焦”。
 - 一次性自动聚焦：在使用“旋转”、“倾斜”或“变焦”功能之后，使摄像机自动聚焦一次。
- 数字变焦：启用最大的数字变焦。将数字变焦设置为 16 倍可提供共 192 倍变焦。



- 与光学变焦不同，数字变焦的图形质量会下降，因为其变焦比率会提高。
- 在下列情况下，自动聚焦功能可能无法正常工作：
 - 背景照度很低时
 - 使用低速快门时
 - 变焦级别设置太高时
 - 背景照度太高时
 - 远距离物体和近距离物体同时出现在监视区域中时
 - 没有反差时，例如天花板或墙壁
 - 摄像机面对细小的水平线时
- “自动聚焦”会聚焦于屏幕中心的物体上；屏幕边缘周围的物体可能不能正确聚焦。

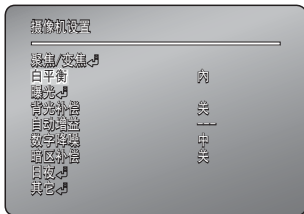


白平衡

“白平衡”菜单会在不同的光照条件下,调整屏幕颜色的平衡。

主菜单 ⇨ 摄像机设置 ⇨ 白平衡

- 自动追踪白平衡（内）：调整屏幕颜色，使得在室内环境中最佳。（工作温度：约 2,500°K ~ 约 9,300°K）
- 自动追踪白平衡（外）：自动调整屏幕颜色，使得在明亮的室外环境中最佳。（工作温度：约 2,000°K ~ 约 10,000°K）
- 自动白平衡：调整屏幕颜色，使得在当前光照和监视条件下最佳。如果光照条件发生变化，则使用此设置可能需要重新调整。
- 手动：自定义红色和蓝色增益。



- 在下列情况下，“白平衡”可能无法正常工作。
 - 当主体周围环境的颜色温度超过控制范围时。
 - 当主体的环境照度很暗时。
 - 如果摄像机朝向荧光灯光，或者安装在照度显著变化的地方，则“白平衡”可能无法提供一致的结果。

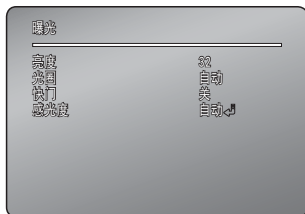
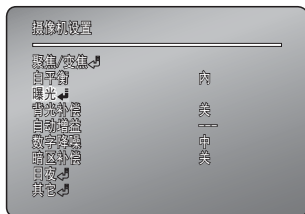
摄像机设置

曝光

“曝光”设置用于控制摄像机的曝光计。

主菜单 ⇨ 摄像机设置 ⇨ 曝光

- 亮度：调整屏幕亮度。
(32 以上：较亮，32 以下：较暗)
 - 在极暗的光照条件下，它可能无法充分工作。
- 光圈
 - 自动：自动调整曝光计。
 - 手动：手动调整曝光计。
(32 以上：较亮，32 以下：较暗)
- 快门：控制摄像机的电子快门。
 - 关：快门速度对于 NTSC 固定为 1/60，对于 PAL 固定为 1/50。
 - 防闪烁：当遇到图像闪烁时选择此设置。当艺术灯光频率与摄像机帧速率相冲时，就会发生闪烁。
 - 手动：手动调整快门速度。
- 感光度
 - 自动：自动检测光照级别，在夜晚或低光照条件下保持图像清晰。
 - 感光度倍率：调整为每帧最大功率变焦。



- 当“内部同步”模式生效时，如果将快门设置为‘---’并且让摄像机正对强光源，则可能会降低摄像机性能。
- 当光圈处于“手动”模式时，会禁用亮度。
- 当打开“宽动态”时，会禁用快门。
- 当快门处于“手动”模式时，会禁用感光度。

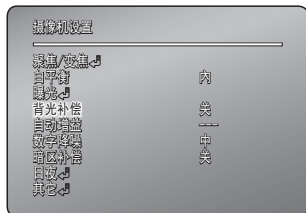
背光补偿

背光补偿模式设置

与其他摄像机不同, Samsung Techwin 独特的 A1 DSP 芯片可为您提供主体清晰的图像, 即使在明亮的背光下也不例外。

主菜单 ⇨ 摄像机设置 ⇨ 背光补偿

- 背光补偿
 - 关: 禁用“背光补偿”模式。
 - 宽动态: 激活“宽动态”模式。
 - 背光补偿: 激活用户定义的背光补偿模式。



宽动态

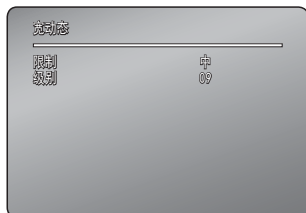
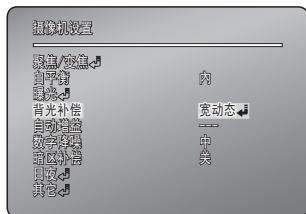
当同时具有明暗区域时, 此模式使两种区域区别明显。

主菜单 ⇨ 摄像机设置 ⇨ 背光补偿 ⇨ 宽动态

- 限制: 提供了三种宽动态灵敏度级别: 低、中和高。请注意, 灵敏度级别越高, 明暗区域的对比度越低。
- 级别: 调整宽动态模式下的屏幕亮度。



- 在打开“数字逐行扫描”模式时, 会禁用宽动态。
- 当光圈处于“手动”模式时, 会禁用宽动态。
- 在宽动态操作期间, 可能出现噪声、脱色、斑点和发白症状, 具体取决于光照条件。如果出现上述症状, 请停止使用宽动态。



摄像机设置

背光补偿

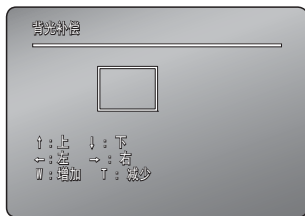
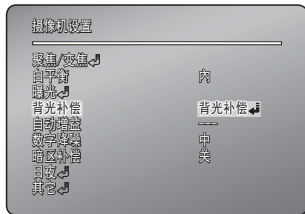
可以选择性地选择屏幕区域,在该区域中查看物体比在其他区域更清楚一些。

主菜单 → 摄像机设置 → 背光补偿 → 背光补偿

- 可以调整背光补偿区域的位置和大小。



- 当光圈处于“手动”模式时,会禁用背光补偿。
- 可能出现颜色饱和,具体取决于环境。



自动增益

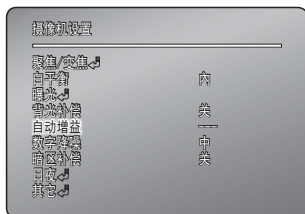
如果摄像机在低光照条件下捕捉到物体,则 AGC(自动增益控制)会调整摄像机的增益控制和屏幕亮度。

主菜单 → 摄像机设置 → 自动增益

- 可用模式有“关”、“低”、“中”、“高”和“手动”。



- 如果为日/夜选择自动,则无法使用自动增益菜单。

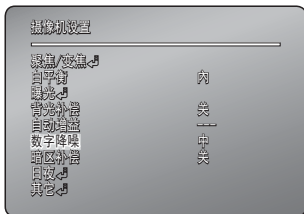


数字降噪

动态降噪可显著降低低照度噪声量。

主菜单 ⇨ 摄像机设置 ⇨ 数字降噪

- 关：禁用降噪功能。
- 低：只降低一部分噪声量，但几乎不会产生残像。
- 中：最常用的模式。降低适量的噪声，同时产生轻微的残像。
- 高：显著降低噪声，但是产生明显的残像。

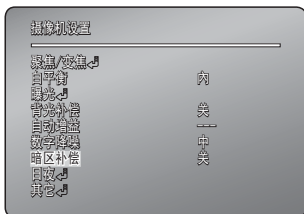


暗区补偿

暗区补偿可以照亮影像的较暗点，同时保留较亮点的光照级别，以平衡明暗点对比强烈的图像的总体亮度。

主菜单 ⇨ 摄像机设置 ⇨ 暗区补偿

- 可用模式有“关”、“低”、“中”和“高”。



摄像机设置

日夜

“日夜”功能可允许摄像机在“彩色”和“黑白”模式之间切换。

主菜单 ⇨ 摄像机设置 ⇨ 日夜

• 模式

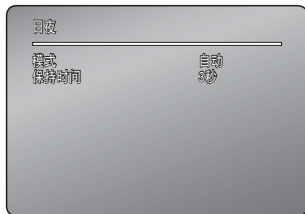
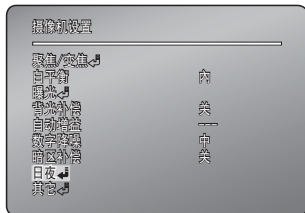
- 自动：大部分时间以“彩色”模式操作，在夜间检测到低光照级别时，切换到“黑白”模式。
- 彩色：在所有时间都以“彩色”模式操作。
- 黑白：在所有时间都以“黑白”模式操作。通过使用“色同步开/关”子菜单，可以保留或禁用色同步信号。

- 如果摄像机处于黑白模式并且已连接至需要通过色同步信号进行外部同步的设备，请将“色同步开/关”选项设置为“开”。

• 保持时间：可以自定义两种光照条件的持续时间，以让摄像机延迟白天和夜晚设置之间的切换。



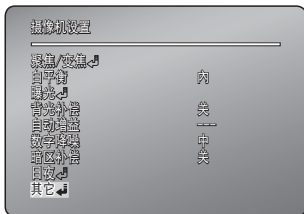
- 在阳光下或钨丝灯下使用“黑白”模式可能会降低聚焦性能。



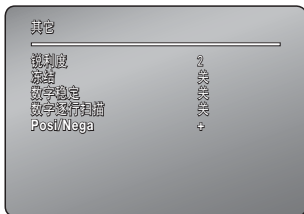
其它

主菜单 ⇨ 摄像机设置 ⇨ 其它

- 锐利度：使图像的轮廓清晰。
- 冻结：停止或重新动画显示图像。
- 数字稳定：防手震装置补偿由于风及其他合理原因导致的摄像机任何小移动。
- 数字逐行扫描：此功能增加移动物体的轮廓，可以将捕捉的图像的清晰度改善到与静止图像一样好。
- Posi/Nega：设置为 + 可输出正常视频，而设置为 - 可输入相反的亮度和颜色。



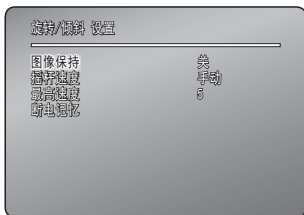
- 防手震装置使用数码缩放，并可能导致画面质量降低。
- 如果环境光太暗，会禁用防手震装置。
- 如果视野太暗或无对比度（例如天空或白墙），会禁用防手震装置。
- 当打开“冻结”时，会禁用数字逐行扫描。



图像保持

主菜单 ⇨ 旋转/倾斜 设置 ⇨ 图像保持

- 当摄像机在不同的预设位置之间移动时，此功能会冻结摄像机图像，直到摄像机到达下一个位置为止。此功能非常有用，可帮助屏幕观察者密切注意，以及监视网络中的多个位置。



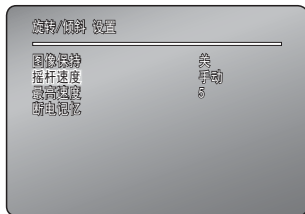
摄像机设置

摇杆速度

可以调整使用的控制器的水平/上下角度。

主菜单 ⇨ 旋转/倾斜 设置 ⇨ 摇杆速度

- 手动：控制器手柄的角度确定“旋转”和“倾斜”的速度；倾斜控制器的角度越大，摄像机旋转的速度就越快。
- 10/20/30/40/50/60：不管控制器手柄的角度为何，保持速度。

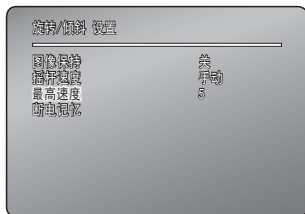


最高速度

执行“预设位”和“排序”操作时，调整“旋转”和“倾斜”的最高速度。

主菜单 ⇨ 旋转/倾斜 设置 ⇨ 最高速度

- 1~7：“旋转”和“倾斜”操作最高可设置为 650°/秒。



屏幕显示设置

屏幕显示设置

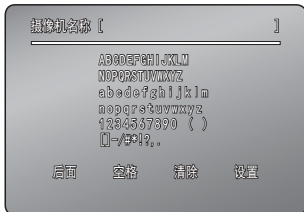
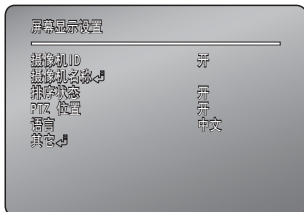
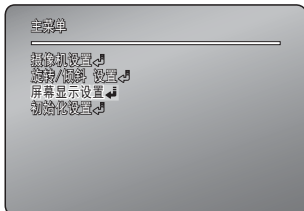
“屏幕显示设置”用于设置 OSD(屏上显示)功能。

主菜单 ⇨ 屏幕显示设置

- 摄像机 ID: 在屏幕左上角显示或隐藏“摄像机 ID”。
- 摄像机名称: 将名称添加至摄像机。
- 排序状态: 显示或隐藏正在进行的排序操作的状态。
- PTZ 位置: 显示或隐藏正在进行的“旋转”、“倾斜”和“变焦”操作的状态。
- 语言: 支持更改系统语言。本摄像机支持英语、中文、法语、德语、西班牙语、葡萄牙文、韩文和意大利文。



- 选择“摄像机名称”和“预设位名称”时，屏幕会显示“左”小键盘。
- 名称最多可以包含 12 个字符，可以通过摇杆和 Enter 键输入。输入名称后，使用摇杆和 Enter 键执行“设置”命令并保存名称。

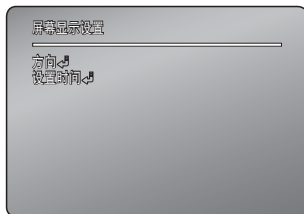
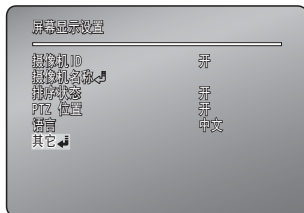


摄像机设置

屏幕显示设置(其它)

主菜单 ⇨ 屏幕显示设置 ⇨ 其它

- 方向：指出摄像机的当前角度。东、西、南、北、东南、西南、东北或西北。
 - 设置北边：设置摄像机的“北”方向。
- 设置时间：自定义摄像机时钟；可以计划排序操作以自动执行。
 - 显示：在屏幕上显示或隐藏时钟。
 - 日期格式：更改摄像机日期的显示格式：DD/MM/YYYY 或 MM/DD/YYYY。



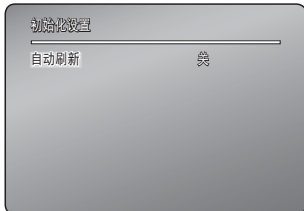
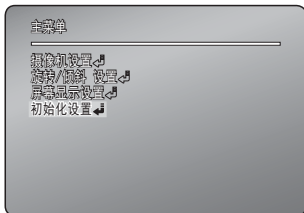
初始化设置

初始化设置

主菜单 ⇨ 初始化设置

- 自动刷新：支持定期最佳化摄像机内置电路和组件的状态。（可以计划定期操作。）
当发生异常操作时，可使用此模式来维护和修复摄像机的当前设置。例如，摄像机出现正对光源的情况，或者在摄像机长时间不断在四个方向旋转以监视特定位置之后，已取消设置。
默认设置为“关”。
 - 关, 1~7 天：选择“关”会禁用“自动刷新”，选择“1~7 天”会在 1~7 过去之后自动执行“自动刷新”。

-  ■ 完成“自动刷新”约需 10 秒钟。如果在排序操作期间激活“自动刷新”，则摄像机会暂停排序操作，执行“自动刷新”，在刷新完成后，继续排序操作。



设置屏幕

设置

可以配置网络中的摄像机的音频与视频、网络、事件和系统设置。

1. 在现场屏幕中，单击 [设置 (⚙️)]。
2. 设置屏幕将会出现。

音频与视频设置

视频配置文件

1. 从设置菜单，选择 <音频 & 视频 (🔊)> 选项卡。
2. 单击 <视频配置文件>。
3. 选择 <视频配置文件> 编号。
4. 单击每个项目的输入框，并输入/选择所需的值。

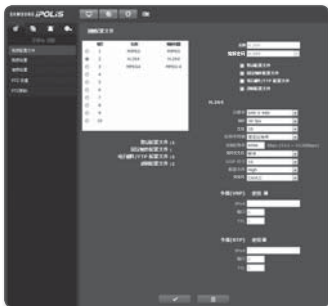
■ 上下文菜单可能因所选的编解码器类型而异。

- 默认配置文件：这是默认视频配置文件。
- 固定帧率配置文件：不管其他配置文件的设置，使所选配置文件的帧率固定。
- 电子邮件/FTP配置文件：将传送至指定的电子邮件或 FTP 站点的视频配置文件。
 - 只能将 MJPEG 编解码器设置为电子邮件/FTP 配置文件。
- 录制配置文件：这是应用于视频录制的配置文件。

5. 完成后，请单击 [应用 (✅)]。



- 使用 H.264 编解码器的配置文件只能以 640x480 或更低分辨率存储在 SD 存储卡中。MPEG4 视频不能存储在 SD 存储卡中。



添加视频配置文件

可以根据需要添加许多编解码器,以便可以根据录制条件应用各种配置文件。

1. 选择配置文件编号。
2. 提供名称并选择编解码器。
3. 指定将应用编解码器的条件。
4. 指定所选编解码器的详细信息,包括分辨率和帧率。
 - 分辨率: 设置 MPEG4、H.264 和 MJPEG 文件的视频大小。
 - 帧率: 指定帧率。
 - 压缩: 指定视频的压缩率。
 - 比特率控制: 您可从恒定比特率和可变比特率中选择一种方式进行压缩。
CBR (恒定比特率) 可改变视频质量并且固定网络传输比特率, 而可变比特率则通过改变网络传输比特率来强调质量。
 - 目标比特率: 指定传输视频将用的比特率。
 - 编码优先级: 可以将视频传输方法设置为帧率或质量。
 - GOP 尺寸: 在 1 至 15 之间选择 GOP 大小。
 - 配置文件: 可以选择 H.264 靠模方法。
 - 熵编码: 减少可能因编码引起的压缩损失。
 - 多播(VNP): 指定使用 VNP 协议。
 - IPv4: 输入可用于连接至 IPv4 网络的 IPv4 地址。
 - 端口: 指定视频通信端口。
 - TTL: 为 VNP 数据包设置 TTL。
 - 多播(RTP): 指定 RTP 协议的使用。
 - IPv4: 输入可用于连接至 IPv4 网络的 IPv4 地址。
 - 端口: 指定视频通信端口。
 - TTL: 可为 RTP 数据包设置 TTL。

GOP 大小是什么?

GOP(图片组)是用于 MPEG4 和 H.264 格式压缩的视频帧,表示从初始 I 帧(关键帧)到下一个 I 帧的帧集合。GOP 由 2 类帧组成: I 帧和 P 帧。

I 帧是压缩的基本帧,也称为关键帧,包含一幅完整图像的数据。P 帧仅包含与先前的 I 帧相比发生了变化的数据。

您可以对 MPEG4 和 H.264 CODEC 在 1 与 15 之间进行设置。

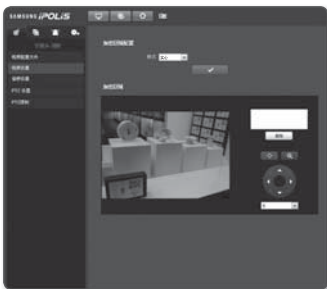
设置屏幕

视频设置

设置加密区域

可以指定为了您的隐私将保护摄像机视频的某些区域。

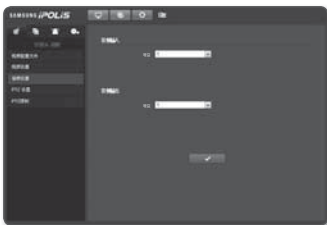
1. 从设置菜单，选择 **<音频 & 视频 (🔊)>** 选项卡。
2. 单击 **<视频设置>**。
3. 选择将应用于加密区域的 **<模式>**。
 - 如果您从 **<模式>** 项目中选择 **[实心]**，将用灰色显示所选区域。
 - 如果您从 **[P1~P3]** 中选择一项，将用马赛克像素显示所选区域。
4. 单击图像上的区域并选择 4 个角点以指定所需的区域。
弹出窗口将会出现，您可在其中为区域输入名称，然后单击 **[应用 (✔)]**。
 - 请勿拖动区域来指定加密区域；那不起作用。
5. 要删除所选区域，请单击 **[删除 (🗑️)]**。
6. 完成后，请单击 **[应用 (✔)]**。
 - 最多可以设置 12 个加密区域。



音频设置

可以配置摄像机的音频源的 I/O 设置。

1. 从设置菜单，选择 **<音频 & 视频 (🔊)>** 选项卡。
2. 单击 **<音频设置>**。
3. 根据您的喜好调整音频 I/O 级别。
 - 音频输入：设置音频输入值。
 - 音频输出：设置音频输出值。
4. 完成后，请单击 **[应用 (✔)]**。



PTZ 设置

可以更改镜头的方向并激活变焦。

1. 从设置菜单，选择 <音频 & 视频 (🍏)> 选项卡。
2. 单击 <PTZ 设置>。
3. 单击 [方向调整 (📏)]。
 - [将方向更改为 (⬅️)/(➡️)/(⬆️)/(⬇️)]: 更改摄像机镜头的方向。
 - [移动速度控制 (5)]: 数字越大，移动速度越快。



4. 设置变焦和聚焦控制按钮。
 - [放大 (🔍)]: 放大屏幕。
 - [缩小 (🔍)]: 缩小屏幕。
 - [调焦 (📏/📏)]: 调整屏幕中的焦点。
 - [变焦速度控制 (4)]: 数字越大，变焦速度越快。
5. 设置预设。



添加预设

1. 选择要添加的预设编号。
2. 设置预设的名称。
3. 按下 [+] 按钮。

删除预设

1. 选择要删除的预设编号。
2. 按下 [-] 按钮。

设置屏幕

移动预置

1. 选择想要移动的预置编号。
2. 按下 [] 按钮。

设置预置的摄像机操作

1. 选择想要配置的预置的编号。
2. 按下 [] 按钮。
3. 当设置窗口出现时，选择各项并进行适当设置。
 - PTZ 坐标：设置预设的水平/上下/变焦位置。
 - 焦点/缩放：选择手动/自动或将单次自动对焦模式设置为关，或选择 2 与 12 之间的速率。
 - 白平衡：适当设置室内/室外/手动（红增益，蓝增益）。
 - 曝光：配置亮度/光圈/光圈水平/快门模式（关、手动和防闪烁）/快门速度）、感光度模式（关，开）/感光度操作的设置。
 - 背光补偿：从关/宽动态（宽动态数字变焦，宽动态 感光度）/用户中选择一项。
 - 日夜，自动增益：从彩色/黑白，白色/自动中选择一项。
 - 其他：适当设置数字降噪（关/低/中/高）/XDR（关/低/中/高）。
4. 完成后，请单击 [应用 ()]。



配置回转设置

回转是在两个预置点之间移动并让您可以跟踪移动的监控功能。

1. 将 <顺序设置> 中的 <模式> 设置为 <摆动>。
菜单屏幕将切换到回转设置屏幕。
2. 选择回转设置模式。
 - 平移摆动：可设置仅使用水平功能的回转监控。
 - 倾斜摆动：可设置仅使用上下功能的回转监控。
 - 平移和倾斜摆动：可设置同时使用水平和上下功能的回转监控。



3. 设置〈首次预设〉和〈第二次预设〉以指定回转范围。
4. 设置移动速度和停留时间。
5. 按下 [] 按钮。
第一个预设、第二个预设、速度和停留时间将保存在设置模式中。
6. 按下 [] 按钮。
7. 按下 [] 按钮。
正在运行的回转将停止。

设置组

组功能让您可以为各种预设分组,然后可以按顺序调用它们。每组最多可以包含 128 个预设。

1. 将〈顺序设置〉中的〈模式〉设置为〈组〉。
菜单屏幕将切换到组设置屏幕。
2. 选择组设置模式。
 - 组编号: 选择组编号。
 - 预设编号: 选择预设编号。
 - 速度: 指定移动的速度。
 - 停留时间: 指定操作在预设位置保持的持续时间。
3. 按下 [] 按钮。
您的设置将输入右边的列表中。
4. 按下 [] 按钮。
将删除所选的组数据。



配置巡航设置

巡航功能让您可以按顺序调用预设的组。

1. 将〈顺序设置〉中的〈模式〉设置为〈Tour〉。
菜单屏幕将切换到巡航设置屏幕。
2. 详细配置巡航设置。
 - 组编号: 选择组编号。
 - 停留时间: 指定调用新组之前的等待时间。



设置屏幕

3. 按下 [] 按钮。
您的设置将输入右边的列表中。
4. 按下 [] 按钮。
将保存右边列表上的设置数据。
5. 按下 [] 按钮。
将删除所选的巡航数据。

设置跟踪功能

跟踪会记住使用方向按钮指示的移动踪迹并重现它供您参考。

1. 将 <顺序设置> 中的 <模式> 设置为 <跟踪和自动运行>。
屏幕菜单将切换到 PTZ 跟踪和自动操作菜单屏幕。

2. 选择跟踪编号。
可以将 120 秒之内的跟踪保存在内存中。
保存时间可能不同，取决于 PTZ 操作的难度。

操作将保存在内存中（并显示内存状态）。当内存已满，且出现“EEPROM: 000%”消息时，将终止跟踪。

3. 按下 [] 按钮。
将保存所选跟踪编号。
4. 按下 [] 按钮。
将按设置激活所选跟踪编号。
5. 按下 [] 按钮。
跟踪将停止。



设置自动运行

如果某个时间没有进行控制器操作, 这将执行您指定的顺序操作。

1. 将 **<顺序设置>** 中的 **<模式>** 设置为 **<跟踪和自动运行>**。
屏幕菜单将切换到 PTZ 跟踪和自动执行菜单屏幕。

2. 选择自动运行模式。

- 始位: 自动执行到返回位置的操作。
- 预设: 自动执行到预置编号的操作。
- 摆动: 自动在回转模式下执行操作。
- 组: 自动在组模式下执行操作。
- 浏览: 自动在巡航模式下执行操作。
- 跟踪: 自动在跟踪模式下执行操作。
- 自动平移: 自动沿水平方向执行 360° 旋转。
自动旋转需要您设置两个选项: 上下角度和水平速度。

3. 按下 [] 按钮。

PTZ限制

可以对水平或上下功能指定限制。

1. 从设置菜单, 选择 **<音频 & 视频 ()>** 选项卡。
2. 单击 **<PTZ限制>**。
3. 指定是否要限制 PTZ 操作。 如果要限制, 请指定详细信息。
 - 平移 / 倾斜 限制: 选择要设置在“水平限制”和“上下限制”之间的模式。
 - 使用: 指定是否使用平移/倾斜功能。
 - []: 开始限制设置。
 - []: 将保存起始点。
 - []: 将保存结束点, 然后限制模式分别在起始点与结束点之间的指定范围运行。



设置屏幕

网络设置

接口

1. 从设置菜单，选择 <网络 (🌐)> 选项卡。
2. 单击 <接口>。
3. 根据需要设置 <接口> 和 <IPv6 设置>。

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

- MAC 地址：显示 MAC 地址。
- IP 地址：显示当前 IP 地址。
- 子网掩码：显示所设 IP 的 <子网掩码>。
- 网关：显示所设 IP 的 <网关>。
- DNS1/DNS2：显示 DNS（域名服务）服务器地址。
- IPv6 使用：指定使用 IPv6。
- IPv6 地址：获取访问 IPv6 网络的 IPv6 地址。

4. 完成后，请单击 [应用 (✔)]。

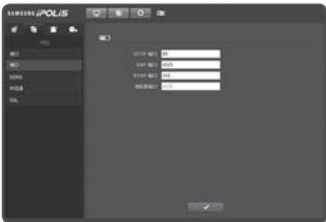


- IP 寻址系统将默认为 DHCP。但是，如果在 1 分钟之后仍然找不到 DHCP 服务器，则会自动将 IP 系统切换至“静态”。



端口

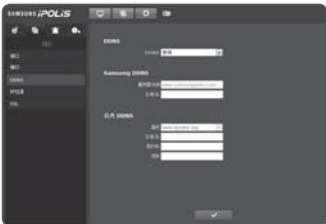
1. 从设置菜单，选择 <网络 ()> 选项卡。
2. 单击 <端口>。
3. 在端口菜单的每个项目中键入所需信息。
 - 0 至 1023 之间的端口范围和端口 3702 都不可用。
 - HTTP 端口：用于通过 Web 浏览器访问摄像机的 HTTP 端口。
默认值是 80(TCP)。
 - VNP 端口：设置用于根据 Samsung 协议传输视频信号的端口。
 - RTSP 端口：用于以 RTSP 模式传输视频，默认值为 554。
 - 查看器端口：用于将视频传输到 Web 查看器，默认值为 4520。
 - 查看器的端口范围应为 4502 与 4534 之间。如果 VNP 端口设置在此有效范围内，则应将查看器端口指定为与 VNP 端口相同。
4. 完成后，请单击 [应用 ()]。



DDNS

DDNS 是动态域名服务的缩写,该服务将摄像机的 IP 地址转换成一般主机名,以使用户可以轻松记住它。

1. 从设置菜单，选择 <网络 ()> 选项卡。
2. 单击 <DDNS>。
3. 选择 <DDNS>。
4. 根据所选类型键入 DDNS 项目。
 - Samsung DDNS：如果使用 Samsung Techwin 提供的 DDNS 服务器，请选择此项。
 - 公共 DDNS：使用公共 DDNS 服务器时，可从所提供的公共 DDNS 服务器中选择一个。
 - 主机名：输入向 DDNS 服务器注册的主机的名称（即 Dyn dns 的主机名）。



设置屏幕

- 用户名：输入 DDNS 服务的用户名。（即向 DynDNS 注册的用户 ID）
- 密码：输入 DDNS 服务的密码。（即向 DynDNS 注册的密码）

5. 完成后，请单击 [应用 ()]。

注册 DDNS

向 Samsung DDNS 注册您的产品

1. 访问 iPOLiS 网站
(www.samsungipolis.com) 并用已注册的帐户登录。



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



3. 单击 [PRODUCT REGISTRATION]。
4. 进入产品领域。
 - 对您进入的领域，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。



在摄像机设置中连接至 Samsung DDNS

1. 从 DDNS 设置页面，将 **<DDNS>** 设置为 **<Samsung DDNS>**。
2. 提供向 DDNS 网站注册产品域时指定的 **<主机名>**。
3. 单击 **[应用 ()]**。
成功进行连接后，屏幕上将显示消息 **<(成功)>**。



在摄像机设置中配置公共 DDNS

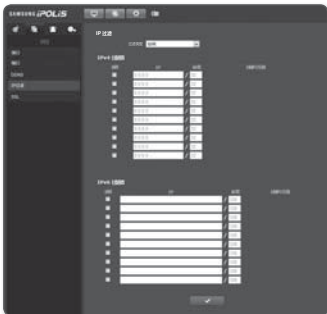
1. 打开 DDNS 设置页面并为 **<DDNS>** 选择 **<公共 DDNS>**。
2. 输入相应站点的主机名、用户名和密码。
3. 单击 **[应用 ()]** 按钮。
如果正确建立连接，**<(成功)>** 将会出现。
4. 完成配置后，请单击 **[应用 ()]** 按钮。

设置屏幕

IP 过滤

可以创建想要授予或拒绝访问权限的 IP 列表。

1. 从设置菜单，选择 <网络 ()> 选项卡。
2. 单击 <IP 过滤>。
3. 选择 <过滤类型>。
 - 拒绝：如果选择此项，将限制从添加至过滤列表的那些 IP 进行的访问。
 - 允许：如果选择此项，将只接受从添加至过滤列表的那些 IP 进行的访问。
4. 提供想要授予或拒绝访问权限的 IP。
5. 完成后，请单击 [应用 ()]。



SSL

可以选择安全连接系统或安装公共证书用于此目的。

1. 从设置菜单，选择 <网络 ()> 选项卡。
2. 单击 <SSL>。
3. 选择安全连接系统。
 - 若要用 HTTPS 模式访问摄像机，您必须以 `https://<Camera_IP>` 形式键入摄像机的 IP 地址。
4. 搜索要安装在摄像机上的公共证书。

要将证书安装在摄像机上，需要提供证书名称（可由用户随意分配）、认证机构颁发的证书文件以及密钥文件。

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



安装证书

1. 输入证书名称。
2. 选择要安装的证书文件及证书密钥，然后单击 [安装()] 按钮。

删除证书

1. 单击 [删除()] 按钮。

事件设置

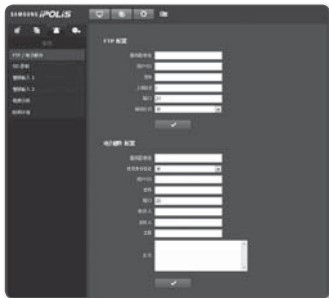
FTP / 电子邮件

可以配置 FTP/电子邮件服务器设置,以便在事件发生时可以将摄像机中存储的图像传输到您的 PC。

1. 从设置菜单,选择 <事件 ()> 选项卡。
2. 单击 <FTP / 电子邮件>。
3. 选择 <FTP 配置> 或 <电子邮件配置> 并输入/选择所需的值。

• FTP 配置

- 服务器地址: 输入您将警报图像传输到的 FTP 服务器的 IP 地址。
- 用户 ID: 输入用于登录 FTP 服务器的用户 ID。
- 密码: 输入用于登录 FTP 服务器的用户帐户密码。
- 上载目录: 指定警报图像将传输到的 FTP 路径。
- 端口: FTP 服务器的默认端口为 21; 但是, 可以根据 FTP 服务器设置使用不同的端口号。
- 被动方式: 如果由于防火墙或 FTP 服务器设置需要以被动模式连接, 请选择 <开>。



设置屏幕

- 电子邮件配置

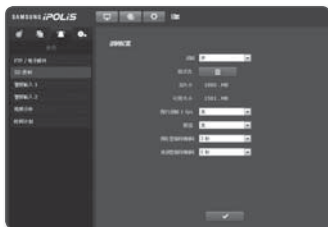
- 服务器地址：输入进行电子邮件传输到的电子邮件服务器的 IP 地址。
示例) SMTP.hotmail.com
- 使用身份验证：选择是否使用身份验证。
- 用户 ID：输入用于登录电子邮件服务器的用户 ID。
- 密码：输入用于登录电子邮件服务器的用户帐户密码。
- 端口：电子邮件服务器的默认端口为 25；但是，可以根据电子邮件服务器设置使用不同的端口号。
- 收件人：输入电子邮件收件人的地址。
- 发件人：输入电子邮件发件人的地址。如果发件人地址不正确，来自发件人的电子邮件可能会被电子邮件服务器分类为垃圾邮件，这样可能不发送。
- 主题：输入电子邮件的主题。
- 正文：为邮件提供文本。将警报图像附加至准备的电子邮件。

4. 完成后，请单击 [应用 ()]。

SD 录制

可以为 SD 内存卡设置录制条件或录制的使用、检查存储的数据的大小或格式化 SD 内存卡本身。

1. 从设置菜单，选择 <事件 ()> 选项卡。
2. 单击 <SD 录制>。



在 SD 内存卡上进行录制

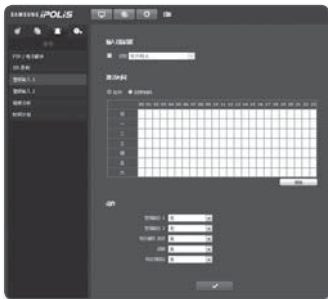
1. 检查 <总大小> 和 <可用大小>。
2. 如果 SD 内存卡具有足够的可用空间，请将 <录制> 设置为 <开>。
否则，检查存储的数据，如果发现它们不重要，请单击 <格式化> 以格式化 SD 内存卡。
 - 如果您的 SD 内存卡写入缓慢，则每秒将只存储一帧。
 - 对于大容量的 SD 内存卡，格式化将相应变慢。
 - 如果数据大小随着时间增长，即使您将录制质量设置为全部帧，也只能存储 1 fps。
3. 指定录制条件。
 - 强行录制 1 fps：每秒将只录制一帧，而不管现有的录制配置文件。
 - 覆盖：如果 SD 内存卡已满，这将删除旧数据并存储新数据代替。
 - 预先警报持续时间：指定警报发出之前的时间点；从该时间点开始，将传输图像。最多可以指定警报发出之前 5 秒。
 - 延迟警报持续时间：指定警报发出之后的时间点；将传输图像到指定的时间点为止。最多可以指定警报发出之后 120 秒。
4. 完成后，请单击 [应用 ()]。

设置屏幕

警报输入1/警报输入2

可以设置警报输入类型、激活时间和工作模式。

1. 从设置菜单，选择 <事件 ()> 选项卡。
2. 单击 <警报输入>。
3. 指定输入设备。
 - 类型
 - 常开触点：它通常是打开的，但是如果关闭，将触发警报。
 - 常闭触点：它通常是关闭的，但是如果打开，将触发警报。
4. 指定 <激活时间>。
 - 始终：当警报发出时，请始终检查。当警报发出时，它将在运行的模式下激活。
 - 仅预约时间：警报发出时，在一周指定的一天检查指定的时间长度。当警报发出时，它将在运行的模式下激活。
5. 指定警报发出时将执行的操作。
 - 警报输出1/警报输出2：选择如果警报进入是否设置警报输出，并指定警报输出时间。
 - 电子邮件 发送：在警报输入设置中指定电子邮件传输的使用。
 - 录制：在警报输入设置中指定录制的使用。
 - 转至预设位：在设置警报输入时，移动至指定的预设位置。
6. 完成后，请单击 [应用 ()]。



视频分析

1. 从设置菜单，选择 <事件 ()> 选项卡。
2. 单击 <视频分析>。
3. 指定智能视频分析的使用。
4. 设置检测物体的分辨率值和灵敏度水平。

分辨率值	物体大小
1	8x8 像素中的 32 个
2	8x8 像素中的 24 个
3	8x8 像素中的 16 个
4	8x8 像素中的 8 个
5	8x8 像素中的 1 个

- 如果将分辨率值设置得较高，摄像机可以检测到物体的详细移动。
5. 设置移动探测类型。
设置以探测和跟踪移动物体。
 - 跟踪：探测移动物体并执行附加功能。
 - 检测：探测移动的物体。
 6. 设置是否使用其他移动功能。
探测物体的任何移动，显示具有任何变化的视频，并跟踪移动路径。
 - 如果选择 <移动/固定>，可以选择物体从屏幕中消失或物体在屏幕中出现并保留指定时间段的相应区域。
 7. 设置是否使用移动显示功能。
 8. 指定激活时间和条件。
 - 有关如何设置 <激活时间> 和 <动作>，请参阅警报输入1/警报输入2。（第 96 页）
 9. 选择是否显示遮挡区域。
最多可设置 4 个遮挡区域。要设置遮挡区域，请用鼠标拖动想要的区域。在设置的遮挡区域中，不会激活移动探测。要删除设置的区域，请单击 [删除 ()] 按钮。



设置屏幕



- 即使启用了〈视频分析〉，当通过摄像机中的操作菜单进入时，视频分析功能也不会工作。
- 如果摄像机拍摄到较近的对象，视频分析功能可能会变弱。在以下情况下，视频分析功能可能不会在默认的事件和移动探测方面产生正确的结果。
 - 拍摄对象的颜色或亮度与背景类似。
 - 由于场景变化或其他原因而导致多个动作连续不断地随机发生。
 - 固定的对象在一个位置连续不断地移动。
 - 对象隐藏在其他对象后面。
 - 2 个或更多对象重叠，或者 1 个对象被分成多个对象。
 - 对象速度太快（若要探测，一个对象应该在邻近的帧之间重叠）。
 - 由于太阳直射、照明或头灯等强光而出现反射 / 视线模糊 / 阴影。
 - 在大雪、大雨、大风或黎明 / 黄昏环境中。
 - 移动的对象离摄像机太近。

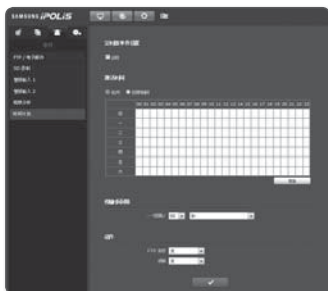
时间计划

可以配置以便让事件发生在计划的时间,而不管事件的实际发生时间。

1. 从设置菜单,选择〈事件 (📅)〉选项卡。
2. 单击〈时间计划〉。

设置定时器事件

1. 将〈定时器事件设置〉设置为〈启用〉。
2. 指定〈激活时间〉。
 - 始终: 始终在设置的时间间隔内以运行的模式激活。
 - 仅预约时间: 在指定的时间和日期定期以运行的模式激活。



3. 指定 **<传输时间间隔>**。
4. 指定激活条件。
 - FTP 发送：指定事件发生时 FTP 传输的使用。
 - 录制：指定事件发生时录制的的使用。
5. 完成后，请单击 **[应用 ()]**。

系统设置

产品信息

1. 从设置菜单，选择 **<系统 ()>** 选项卡。
2. 单击 **<产品信息>**。
3. 检查摄像机信息，或根据网络环境提供详细信息。
 - 位置：指定安装摄像机的位置。
 - 描述：提供有关摄像机位置的详细信息。
 - 备忘录：提供有关摄像机的说明以便更好理解。
 - 语言：选择要在 Web 查看器中显示的语言。
4. 完成后，请单击 **[应用 ()]**。



-  ■ 应该在摄像机菜单中更改摄像机菜单语言。
- 产品相关信息只允许输入英文。

设置屏幕

日期和时间

1. 从设置菜单，选择 <系统 (🔧)> 选项卡。
2. 单击 <日期和时间>。
3. 指定将应用于摄像机的时间和日期。
 - 当前系统时间：显示系统的当前时间设置。
 - 时区：指定本地基于 GMT 的时区。
 - 使用夏令时：如果选中，将在指定的时间段内将时间设置成比当地时区早一小时。
仅在应用夏令时的地区显示此选项。
 - 系统时间设置：指定将应用于您的系统的时间和日期。
 - 手动：手动指定时间。
 - 与 NTP 服务器同步：与指定的服务器地址的时间同步。
 - 与 PC 查看器同步：与连接的计算机的时间同步。
4. 完成后，请单击 [应用 (✔)]。



- ❗ 如果选择 <与 PC 查看器同步>，应将标准时区设置为与 PC 中的当前时区相同。

用户

1. 从设置菜单，选择 <系统 (🔧)> 选项卡。
 2. 单击 <用户>。
 3. 提供必要的用户信息。
 - 管理员密码更改：更改管理的当前密码。
 - 默认密码可能会向黑客线程公开，因此建议您在安装产品之后更改密码。
- 请注意，不更改密码导致的安全和其他相关问题，用户自己承担责任。



- 访客设置：如果允许 <访客访问>，则任何客户可以访问 Web 查看器屏幕，但只能查看 Live Viewer 屏幕。
 - 当前用户：可以为设置为 <启用> 的用户更改用户信息和调整权限级别。
 - 视频：可以在 Live Viewer 屏幕中选择视频配置文件。
 - 音频输入：在 Live Viewer 屏幕中，将激活音频输入选项。
 - 控件：可控制摄像机菜单、PTZ、麦克风和警报按钮。
4. 完成后，请单击 [应用 ()]。

升级/重启

1. 从设置菜单，选择 <系统 ()> 选项卡。
2. 单击 <升级/重启>。
3. 选择所需的项目并进行适当设置。
 - 升级：执行系统升级。
 - 出厂默认设置：将系统重置为出厂默认值。
 - 网络参数之外：重置接口/端口/DDNS/IP 过滤/SSL设置以外的其他设置。
 - 全部：重置包括摄像机设置在内的所有设置。（但是，将不重置日志信息）
 - 如果复位摄像机，则会调整网络设置，以便可以启用 DHCP。如果网络中没有 DHCP 服务器，则必须运行 IP Installer 程序更改基本的网络设置，如 IP 地址、子网掩码、网关等，然后才能连接到网络。
 - 配置备份文件：在执行恢复流程之前，备份当前的系统设置。备份或恢复之后，系统会自动重新启动。
 - 重新启动：重新启动系统。



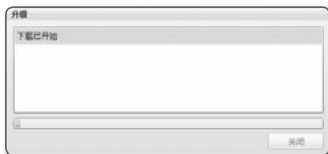
设置屏幕

执行升级

1. 单击 [升级]。
2. 单击 [浏览] 并指定要升级的文件。
3. 单击 [发送]。
4. “升级”对话框出现，其底部将显示进度。

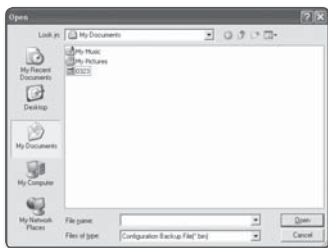
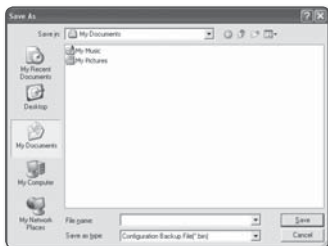


- 如果强行终止升级流程，升级将无法正确完成。



保存当前设置和恢复备份设置

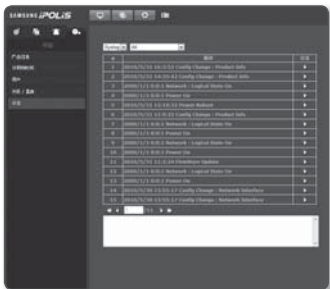
1. 单击 [备份]。
另存为对话框将出现。
2. 指定备份路径及正确的文件名，然后单击 [Save]。
备份文件将以“.bin”格式保存到指定的路径。
3. 要恢复备份设置，请单击 [恢复]。
4. 选择备份文件，然后单击 [Open]。



日志

可以检查系统日志或事件日志。

1. 从设置菜单，选择 <系统 (🔧)> 选项卡。
2. 单击 <日志>。
3. 选择日志类型。
 - Syslog: 您可以检查系统日志，其中记录了所有系统更改，包括时间信息。
 - Evtlog: 可以检查事件日志，包括时间信息。
4. 从右边的日志列表，选择要搜索的项目。
 - 如果在左上角的下拉列表中选择了 <All>，将显示适用日志类型的所有日志。
5. 如果一页无法显示所有可用的日志，请使用底部按钮以移至前一个、下一个或最后项目。



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

附录

规格

项目		说明		
		SNP-3120	SNP-3120V	SNP-3120VH
视频	成像设备	1/4 英寸 Ex-view HAD PS CCD		
	总像素数	NT : 811(水平) x 508(垂直), PAL : 795(水平) x 596(垂直)		
	有效像素数	NT : 768(水平) x 494(垂直), PAL : 752(水平) x 582(垂直)		
	扫描系统	逐行扫描(“数字逐行扫描”打开)(如果“宽动态”打开,则为隔行扫描)		
	同步	内部/电源同步		
	频率	NT : 水平 : 15.734KHz / 垂直 : 59.94Hz, PAL : 水平 : 15.625KHz / 垂直 : 50Hz		
	水平分辨率	彩色 : 600 电视行		
	最低照度	彩色 : 0.7 勒克司 (F 1.65, 50 IRE, VPS 关), 0.001 勒克司 (感光度 512X) 黑白 : 0.07 勒克司 (F 1.65, 50 IRE, VPS 关), 0.0001 勒克司 (感光度 512X)		
	S/N 比率	50dB		
	视频输出	CVBS : 1.0 Vp-p / 75Ω 复合		
镜头	焦距(变焦比率)	3.69~44.32 毫米 (12X)		
	最大孔径比	F1.65(广角) / F2.01(望远)		
	视野角度	水平 : 54.44°(广角) ~ 4.62°(望远) / V : 42.32°(广角) ~ 3.58°(望远)		
	最短物距	0.2 米(广角) / 0.8 米(望远)		
	聚焦控制	自动 / 一次聚焦 / 手动		
	变焦移动速度	-		
	镜头类型	直流自动光圈		
	安装类型	-		

项目		说明		
		SNP-3120	SNP-3120V	SNP-3120VH
平移/倾斜/旋转	平移范围	360° 循环		
	平移速度	预置：650°/秒，手动：0.05°/秒 ~ 120°/秒（加速：200°/秒）		
	倾斜范围	-5° ~ 185°		
	倾斜速度	预置：650°/秒，手动：0.05°/秒 ~ 120°/秒		
	旋转范围	-		
	预设	255 个		
	预设准确度	±0.1°		
	自动跟踪	-		
操作	屏幕显示	NT：英语、法语、德语、西班牙语、意大利语、韩文、葡萄牙语 PAL：英语、法语、德语、西班牙语、意大利语、中文、葡萄牙语		
	摄像机标题	关 / 开(最多显示 12 个字符)		
	日夜	自动 (ICR) / 彩色 / 黑白		
	背光补偿	关 / 背光补偿 / 宽动态		
	宽动态	NT：128X / PAL：160X		
	动态范围	XDR (暗区补偿) (关/低/中/高)		
	数字降噪	移动自适应 2D+3D 噪音过滤 (关/低/中/高)		
	数字图像稳定器	关 / 开		
	移动探测	是		
	隐私遮挡	关 / 开(12 个多边形可编程区域)		
	感光度 (帧合成)	关 / 自动 (2X ~ 512X)		

附录

项目		说明		
		SNP-3120	SNP-3120V	SNP-3120VH
操作	增益控制	关 / 低 / 中 / 高 / 手动		
	白平衡	自动跟踪(内) / 自动跟踪(外) / 自动控制白平衡 / 手动		
	电子快门速度	关 / 防闪烁 / 手动 (1/120 ~ 1/10K 秒)		
	数字变焦	16X		
	翻转/镜像	数字翻转		
	配置文件	-		
	数字逐行扫描	关 / 开		
	智能视频分析	移动 / 固定		
	画中画	-		
	时间表	-		
	警报 I/O	输入 2 个/输出 2 个(继电器)		
	RS-485 协议	SAMSUNG T/E, PELCO-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch		
网络	以太网	RJ-45 (10/100BASE-T)		
	视频压缩格式	H.264、MPEG4、MJPEG		
	分辨率	NT : 704x480, 640x480, 352x240, 320x240 PAL : 704x576, 640x480, 352x288, 320x240		
	最大帧速率	NT : 30fps / PAL : 25fps		

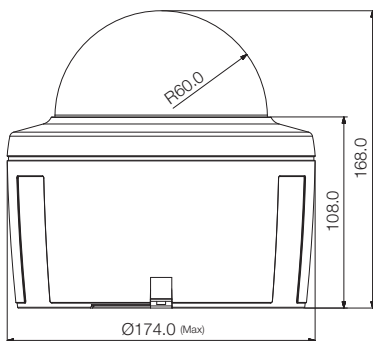
项目	说明		
	SNP-3120	SNP-3120V	SNP-3120VH
网络	视频质量调整	H.264/MPEG4 : 压缩级别、目标比特率级别控制 MJPEG : 质量级别控制	
	比特率控制方法	H.264/MPEG4 : CBR 或 VBR MJPEG : VBR	
	流能力	多流 (最多 10 个配置文件)	
	音频 I/O	线性输入 / 线性输出	
	音频压缩格式	G.711 μ -law	
	音频通信	双向	
	IP	IPv4、IPv6	
	协议	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS	
	安全	HTTPS(SSL) 登录验证 分类登录验证 IP 地址过滤 用户访问日志	
	流方法	单播 / 多播	
	最大用户访问量	单播模式下 10 个用户	
	内存插槽	SD/SDHC 内存插槽	
	ONVIF 一致	是	
	Web 查看器	支持的操作系统 : Windows XP / VISTA / 7, MAC OS 支持的浏览器 : Internet Explorer 6.0 或更高版本、Firefox、Google Chrome、Apple Safari	
	中央管理软件	NET-i viewer	

附录

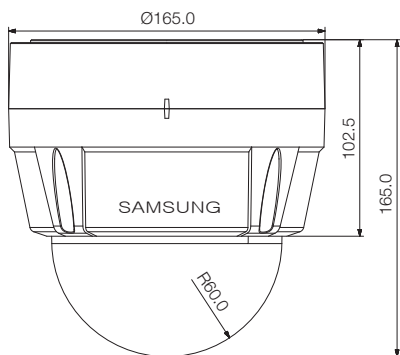
项目		说明		
		SNP-3120	SNP-3120V	SNP-3120VH
环境	工作温度/湿度	-10°C ~ +50°C (+14°F ~ +122°F) / 相对湿度 ~ 90%	-50°C ~ +50°C (-58°F ~ +122°F) / 相对湿度 ~ 90%	
	进入保护	-	IP66	
电气	输入电压/电流	24V AC, hPoE(IEEE802.3at)		
	功耗	最大 15W	最大 15W(加热器关), 最大 45W(加热器开)	
机械	颜色/材料	机身 :象牙色/塑料	机身 :象牙色/铝(防破坏)	机身 :象牙色/铝(防破坏),内置防晒装置
	尺寸 (直径 x 高)	直径 174.0 x 高 168.0 毫米 (6.85" x 6.61")	直径 165.0 x 高 165.0 毫米 (6.5" x 6.5")	直径 200.0 x 高 203.0 毫米 (7.87" x 7.99")
	重量	1.2 公斤 (2.65 lb)	1.9 公斤 (4.19 lb)	2.4 公斤 (5.29 lb)

产品视图

❖ SNP-3120

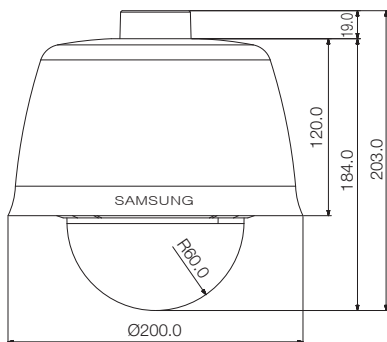


❖ SNP-3120V



附录

❖ SNP-3120VH



故障排除

故障	解决方法
无法使用网络浏览器访问摄像头。	- 检查摄像头的网络设置 是否正确。 - 检查网络缆线是否正确 连接。 - 若使用 DHCP 连接,检查摄像头是否能够 无故障地获得动态 IP 地址。 - 若使用 DDNS URL, 确认 MAC 地址输入是否正确。 - 若摄像头与路由器连接, 确认是否 正确设置了端口转发。
查看器在监视期间断开。	- 已连接的查看器在摄像头或网络配置发生更改时会断开。 - 检查所有的网络连接。 - 若摄像头通过 PPPoE 网络进行连接,查看器在网络状况不佳的情况下可能会断开。
无法使用 IE 7.0 的选项卡浏览器连接系统。	在尝试使用选项卡浏览器连接系统时,使用的 cookie 信息相同,这导致了连接时出错。因此,打开新的浏览器窗口,而非使用选项卡浏览器来连接系统。
IP 安装程序未检测到连接至网络的摄像头。	关闭 PC 上的防火墙设置,再次搜索摄像头。
图像重叠。	检查是否将多个摄像头应当设置的不同地址设为了同一多播地址。多个摄像头共享同一地址可能会导致图像的重叠。
无图像出现。	如果传输方法设置为多播,请检查摄像头所连接的 LAN 中是否有路由器支持多播。

附录

故障	解决方法
即使将 <智能视频分析功能> 设置为 <启用>, 如果发生摄像机的智能视频分析事件, 也不会通过电子邮件传输 JPEG 文件。	- 按以下顺序验证设置： A. 检查 <日期和时间> 设置。 B. <智能视频分析功能> 应设置为 <启用>。 C. 警报视频传输必须已启用。
即使 <智能视频分析功能> 已设置为 <禁用>, 是否可以配置 <设置规则>?	是, 可以。无论智能视频分析设置如何, 您均可设置事件规则。
即使在产生智能视频分析事件时, 在报警输出端口也找不到信号。	检查警报输出端口设置。
无法录制到 SD 内存卡。	- 检查内存卡是否有缺陷。 - 检查内存卡的写保护标签是否设置为“锁定”。
插入了 SD 内存卡, 但摄像机操作不正常。	- 检查是否以正确的方向插入内存卡。不能保证本摄像机装置能正常使用由其他设备格式化的内存卡 - 在 <设置> → <事件> → <SD 录制> 菜单中, 再次格式化内存卡。
无法格式化 SD 内存卡。	检查内存卡的写保护标签是否设置为“锁定”。

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librtsp 1.20	BSD 1.0	

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For more additional information, send email to help.cctv@samsung.com.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even

though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections

1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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