

WISeNET

网络视频编码器 用户手册

SPE-100



网络视频编码器

用户手册

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商标

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❖ 设计和规格可能会随时更改，恕不提前通知。

❖ 初始管理员ID为“admin”，而密码则应在首次登录时设置。

请每三个月更改一次密码，以妥善保护个人信息并防止信息泄露造成的损害。

请注意，由于没有妥善管理密码而造成安全或其他方面的问题，由用户自行承担。

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. 使用柔软干布或湿布清洁产品表面的污染区域。
(请勿使用含有酒精、有机溶剂或表面活性剂、或含油成分的清洁剂或化妆品, 此类物质可能使产品变形或受损。)
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必须具备充分的保护。
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。
15. 本产品应由被列入“2 级”的电源设备供电, 并且额定电压 12 V dc, 最小电流 0.9A。



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。

Class I 构造

具有 CLASS I 构造的设备应连接到具有保护接地连接的电源插座。

电池

电池（安装的电池组或电池）不得暴露在过多的热量下（如阳光、火焰或类似物体）。

注意

如更换的电池类型不正确，可能发生爆炸。

按照说明妥当处理废旧电池。

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Hanwha Techwin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，Hanwha Techwin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物体附近。
- 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。

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产品特点

• 多流

本网络视频编码器可以同时使用不同的编解码器以不同的分辨率和质量显示视频。



但是，不能在网页上播放 MPEG-4 视频。如果要在网页上播放视频，请使用 CMS 软件。

• 支持各种通信协议

• 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

如果连接了警报感应器并检测到有移动，则有信息通过 FTP/电子邮件发送到登记地址或存放在 SD 内存卡中，或向警报输出终端发出报警信号。

• 符合 ONVIF

本产品支持 ONVIF。

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：英特尔酷睿 2 双核 2.4 GHz 或更高

■ Web 插件针对 SSE 4.1 指令集进行了优化。

• 操作系统：Windows XP、VISTA、7、Mac OS X 10.7 或更高版本

• 分辨率：1280X1024 像素或更高（32 位颜色）

• RAM：2GB 或更大

• 网络浏览器：IE 7.0 或更高版本、Firefox 9.0 或更高版本、Chrome 15.0 或更高版本、*Safari 5.1 或更高版本

■ 既不支持测试版，也不支持开发者版，仅支持在公司官方网站发布的正式版本。

■ 为了实现 IPv6 连接，建议使用 Window 7 或更高版本的操作系统。

■ 对于 Mac OSX，只支持 Safari 浏览器。

• 显存：256MB 或更大



■ 如果显卡的驱动程序未正确安装或不是最新版本，则视频可能无法正确播放。

■ 对于至少涉及 2 个监视器的多监视系统，播放性能可能会下降，具体视系统而定。

概述

推荐 SD/SDHC 存储卡 技术规格

- 4GB ~ 32GB
- 网络视频编码器对于您的网络视频编码器，我们建议使用来自以下制造商的内存卡：
SD/SDHC 存储卡：Sandisk, Transcend
- 建议使用至少支持 Class 6 的存储卡。

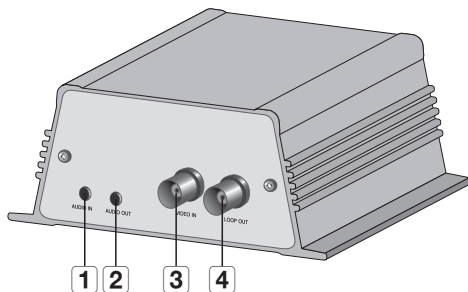
随机提供的物品

请检查产品包装内是否已包括网络视频编码器和所有附件。

外观	项目名称	数量	说明
	网络视频编码器	1	
	说明手册，安装 CD	1	用户手册、简介、IP Installer 软件程序
	用户手册	1	
	保修卡（可选）	1	
	自攻支架螺钉	4	用于墙壁或天花板上的安装

简图

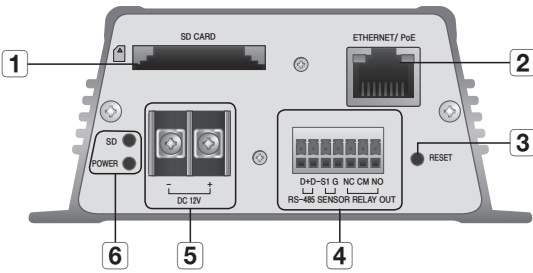
前面



项目	说明
1 AUDIO IN	获取来自网络视频编码器的声音的音频输入端子。 用于连接麦克风。
2 AUDIO OUT	输出来自网络视频编码器的声音的音频输出端子。 用于连接扬声器。
3 VIDEO IN	用于连接 BNC 视频输入信号。
4 LOOP OUT	用于监视 BNC 视频信号。

概述

背面



项目		说明	
1	SD 内存卡槽	用于安装SD存储卡。	
2	网络端口	用于连接 PoE 或 Ethernet 电缆。	
3	重置按钮	按住它 5 秒钟可将所有设置恢复为出厂默认值。	
4	I/O 端口	D+	RS-485 数据线
		D-	RS-485 数据线
		S1	警报输入
		G	GND
		NC	警报输出（用于常闭触点）
		CM	警报输出（公用）
		NO	警报输出（用于常开触点）

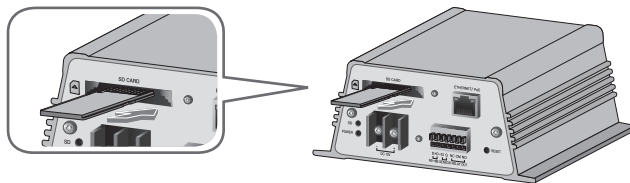
项目	说明	
5 电源端口	用于连接指定的电源。	
6 SD 和电源指示灯	SD	开：插入了存储卡并且能正常使用。 闪烁：无法录制，空间不足或插入异常。 关：网络视频编码器关闭、网络视频编码器正在重新启动或没有插入存储卡。 当录制关闭时。
	POWER	开：电源已打开 关：电源已关闭

安装与连接

插入/拔出 SD 存储卡

插入 SD 存储卡

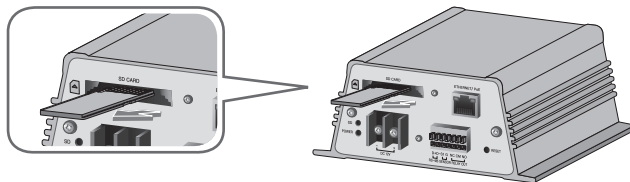
将 SD 存储卡按图示箭头的方向推入。



- ❗ 请勿在 SD 内存卡翻转时用力插入。否则，可能会损坏 SD 存储卡槽。

拔出 SD 存储卡

轻轻地按压存储卡露在外面的一端，依图示的方式从拆槽中弹出存储卡。



- ❗ 过度用力按压 SD 存储卡可能会导致卡不可控制地从卡槽中弹出。
- 如需取出 SD 存储卡，请关闭编码器电源或将设备的 **<存储器>** 设置为 **<关>**，然后按下 **应用 (应用)** 按钮。(第 69 页)
- 如果关闭编码器或取出包含产品数据的 SD 存储卡，可能会丢失或损坏数据。
- 如果插入了 SD 存储卡，只有 **<SD 录制>** 将 **<录制>** 设置为 **<开>** 后，网络视频编码器背面的 SD LED 指示灯才会亮起。
- 如果 SD 内存出现问题，SD LED 指示灯将闪烁。

存储卡信息 (不含)

什么是存储卡？

存储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。

选择一款适合您的存储卡

您的网络视频编码器支持 SD/SDHC 内存卡。

根据存储卡的型号和制作材料不同，您可能会遇到兼容性的问题。

网络视频编码器对于您的网络视频编码器，我们建议使用来自以下制造商的内存卡：

SD/SDHC 存储卡：Sandisk, Transcend

建议使用至少支持 Class 6 的存储卡。

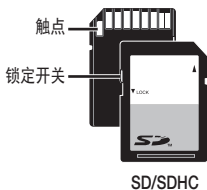
回放性能可能受存储卡速度的影响，因此，请使用高速存储卡。

存储卡的使用

SD 和 SDHC 存储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存储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。

存储卡组件



安装与连接

与其他设备连接

连接至监视器

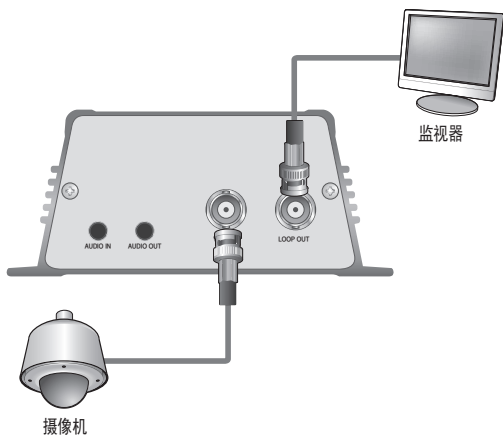
将网络视频编码器的 [LOOP OUT] 端口连接至监视器的视频输入端口。



- 在网络视频编码器的初始安装时，可以将网络视频编码器连接至监视器以检查连接状态。
- LOOP OUT用于输出测试监控。

连接摄像机

将网络视频编码器的 [VIDEO IN] 端口连接至摄像机的视频输出端口。



以太网连接

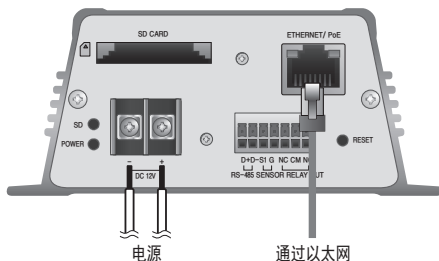
将以太网电缆连接到本地网络或互联网。

电源

使用螺丝刀将每股电源线 (+, -) 连接到网络视频编码器的相应电源端口。



- 在连接电源线时，切勿弄反极性。您也可以使用具有 PoE（以太网供电）功能的路由器为设备供电。
- 如果同时供应 PoE 和直流 12V 电源，将会通过 PoE 为本设备供电。
- 如果要连接外部设备，则必须先关闭外部设备再继续进行。



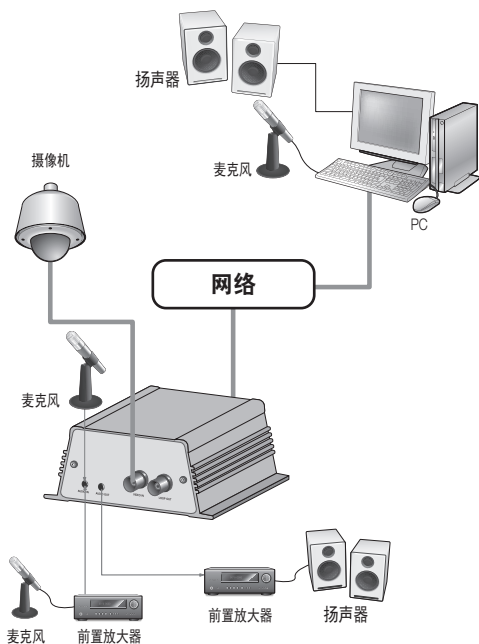
[20°C (68°F)] 时铜线的电阻

铜线电量表 (AWG)	#24(0.22mm ²)	#22(0.33mm ²)	#20(0.52mm ²)	#18(0.83mm ²)
电阻 (Ω/m)	0.078	0.050	0.030	0.018
电压降 (V/m)	0.028	0.018	0.011	0.006
建议距离 (m)	少于 20	少于 30	少于 30	少于 30

- 如上表中所示，您可能会遇到电压下降，具体视电线长度而定。
使用极长的线来连接网络视频编码器，网络视频编码器可能无法正常工作。
 - 网络视频编码器工作电压：直流 12V±10%
 - 上图中的电压降测量值可能会因铜线的类型和制造商而异。

安装与连接

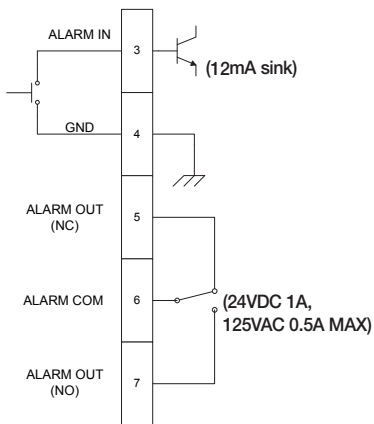
连接音频输入/输出



1. 将麦克风直接或将与麦克风连接的放大器的线路输出连接至网络视频编码器的音频输入。
2. 将网络视频编码器的音频输出端口连接至扬声器或扬声器连接至的扩音器的线性输入端口。
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

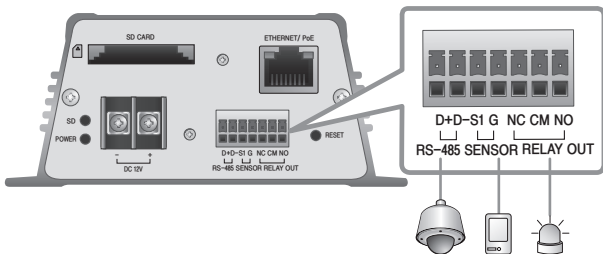


- 为了使用电气触点控制功率，需要单独的电路。

安装与连接

连接到 I/O 端口

将警报 I/O 信号连接到后面端口盒的相应端口。



端子	说明	端子	说明
D+	RS-485 数据线	NC	警报输出（用于常闭触点）
D-	RS-485 数据线	CM	警报输出（公用）
S1	警报输入	NO	警报输出（用于常开触点）
G	GND		

连接 RS-485 设备

将外部设备连接至 [RS-485 D+, D-] 端口。

可以连接和控制支持 RS-485 通信的 PTZ 摄像机。

- 根据摄像机的类型，连接极性可能会有不同。
有关更多信息，请参阅相应的 PTZ 摄像机文档。

连接警报输入

将适用传感器的一条信号线（2 条中的一条）连接至 [S1] 端口，将另一条连接至 [G] 端口。

连接警报输出

将适用外部设备的一条信号线（2 条中的一条）连接至 [警报输出(NC, NO)]，将另一条连接至 [CM] 端口。

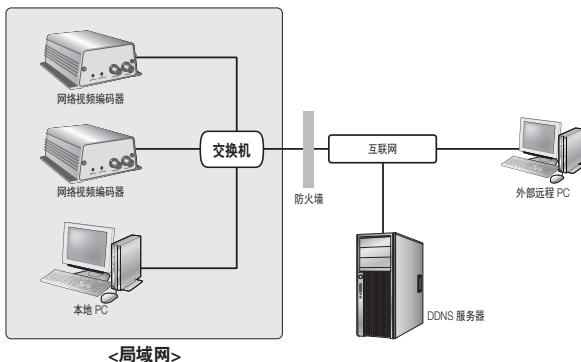
网络连接和设置

可根据您的网络配置来设置网络的设定。

将网络视频编码器直接连接至局域网

从 LAN 中的本地计算机连接至网络视频编码器

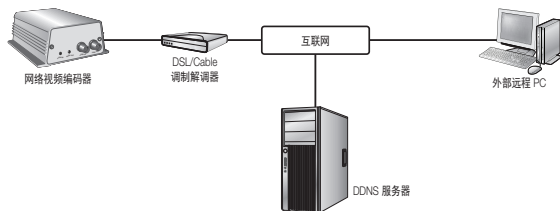
1. 启动本地 PC 上的网络浏览器。
2. 在浏览器的地址栏中输入网络视频编码器的 IP 地址。



- 如果未正确设置端口转发或设置了防火墙，LAN 网络之外的外部互联网中的远程 PC 可能无法连接到内部网中安装的网络视频编码器。
在此情况下，联系网络管理员解决问题。
- 在 IP 安装程序中，您可以使用初始密码“4321”来设置 IP 地址、子网掩码、网关、HTTP 端口、VNP 端口或 IP 类型。在更改网络接口后，为了提高安全性，请访问 Web 查看器并更改密码。
- 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 26 页）

网络连接和设置

将网络视频编码器直接连接至基于 DHCP 的 DSL/有线电视网调制解调器

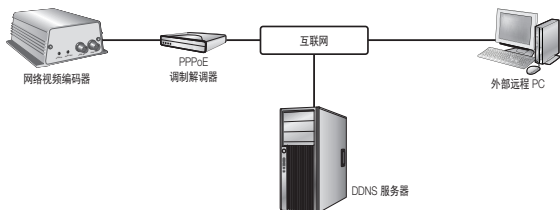


1. 直接将用户 PC 与网络视频编码器连接。
2. 运行 IP Installer 并更改网络视频解码器的 IP 地址，以便可以使用桌面上的 Web 浏览器连接至互联网。
3. 使用互联网浏览器连接至 Web Viewer。
4. 移至 [Setup] 页面。
5. 移至 [Network] – [DDNS] 并配置 DDNS 设置。
6. 移至 [Network] – [接口]，并将网络类型设置为 [DHCP]。
7. 将网络视频编码器（已从您的计算机移除）直接连接至调制解调器。
8. 重新启动网络视频编码器。



- 有关注册 DDNS 设置，请参阅“注册 DDNS”。(第 61 页)
- 有关配置 DDNS 设置，请参阅“DDNS”。(第 60 页)
- 有关设置网络类型，请参阅“接口”。(第 58 页)

将网络视频编码器直接连接至 PPPoE 调制解调器



1. 直接将用户 PC 与网络视频编码器连接。
2. 运行 IP Installer 并更改网络视频编码器的 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 Web Viewer。
4. 移至 [Setup] 页面。
5. 移至 [Network] – [DDNS] 并配置 DDNS 设置。
6. 转到 [Network] – [接口] 设置页面，将网络类型设置为 [PPPoE]，然后输入 ID 和密码。
7. 将网络视频编码器（已从您的计算机移除）直接连接至调制解调器。
8. 重新启动网络视频编码器。

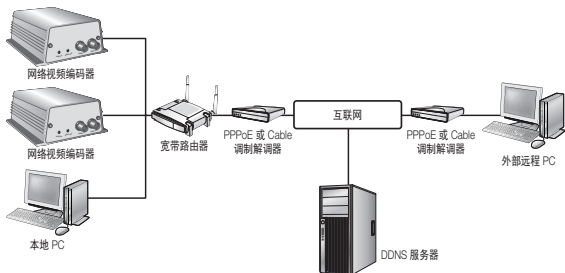


- 有关注册 DDNS 设置，请参阅“注册 DDNS”。(第 61 页)
- 有关配置 DDNS 设置，请参阅“DDNS”。(第 60 页)
- 有关设置网络类型，请参阅“接口”。(第 58 页)

网络连接和设置

将网络视频编码器连接至具有 PPPoE/有线电视网调制解调器的宽带路由器

适用于小型网络环境，如家庭、SOHO 以及普通的商店。



配置连接到宽带路由器

在配置连接到宽带路由器的本地 PC 的网络设置时,遵循以下说明。

- 选择：<网上邻居> → <属性> → <本地连接> → <属性> → <常规> → <Internet 协议 (TCP/IP)> → <属性> → <自动获得 IP 地址> 或 <使用下面的 IP 地址>。
- 若您选择的是 <使用下面的 IP 地址>，遵照以下说明操作：

例1) 如果宽带路由器的地址 (LAN IP) 是 192.168.1.1

IP 地址：192.168.1.100
子网掩码：255.255.255.0
默认网关：192.168.1.1

例2) 如果宽带路由器的地址 (LAN IP) 是 192.168.0.1

IP 地址：192.168.0.100
子网掩码：255.255.255.0
默认网关：192.168.0.1

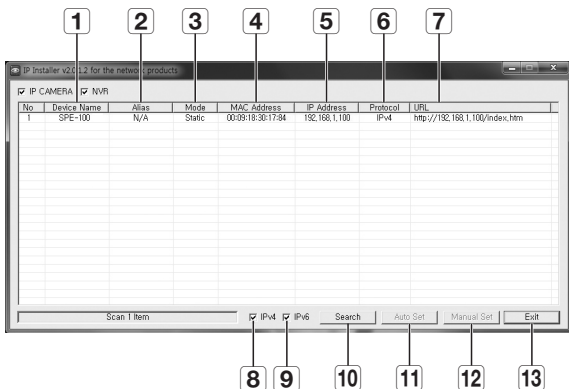
例3) 如果宽带路由器的地址 (LAN IP) 是 192.168.xxx.1

IP 地址：192.168.xxx.100
子网掩码：255.255.255.0
默认网关：192.168.xxx.1



- 关于宽带路由器的地址，请参见产品文档。
- 如需宽带路由器的正向端口的更多信息，请参阅“路由器端口设置”。(第 30 页)

在 IP INSTALLER 中使用的按钮



项目	描述
1 Device Name	所连接网络设备的型号名称。 单击该列可以按型号名称对列表进行排序。 但是，如果在搜索期间单击该列，搜索将会停止。
2 Alias	此功能当前未实现。
3 Mode	对当前网络连接状态显示 <Static>，<Dynamic> 和 <PPPoE>。
4 MAC(Ethernet) Address	所连接网络设备的以太网地址。 单击该列可以按以太网地址对列表进行排序。 但是，如果在搜索期间单击该列，搜索将会停止。
5 IP Address	IP 地址。 单击该列可以按 IP 地址对列表进行排序。 但是，如果在搜索期间单击该列，搜索将会停止。
6 Protocol	网络设备的网络设置。 出厂默认值是 “IPv4”。 如果网络视频编码器设置为 IPv6，它将显示 IPv6。

网络连接和设置

项目	描述
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, 此按钮将被编码器的 <IP Address> 代替。
8 IPv4	扫描使用 IPv4 设置的网络设备。
9 IPv6	扫描使用 IPv6 设置的网络设备。 在符合 IPv6 的环境中激活。
10 Search	扫描当前连接至网络的网络设备。 但是, 如果既未选择 IPv4 又未选择 IPv6, 则此按钮将会变灰。
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 CD 中提供的版本, 或者最新版本 (如果可以获得)。
可以从 Hanwha Techwin 网站下载最新版本。

静态 IP 设置

手动网络设置

运行 <IP Installer_v2.XX.exe> 以显示网络设备搜索列表。
初次启动时, [Auto Set] 和 [Manual Set] 都会变灰。



- 对于使用 IPv6 设置的网络设备, 这些按钮将变灰, 因为这些网络设备不支持此功能。

- 从搜索结果中选择网络设备。

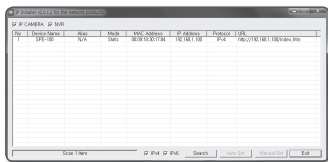
在网络设备的标签上, 检查设备的
MAC 地址。
将会激活 [Auto Set] 和 [Manual Set]
按钮。

- 单击 [Manual Set]。

“手动设置”对话框将会出现。

网络设备的 <IP Address>、<Subnet

Mask>、<Gateway>、<HTTP Port> 和 <VNP Port> 显示在预设值中。

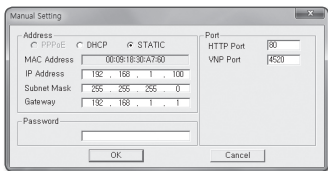


3. 在 <Address> 窗格中，提供必需的信息。

- MAC (Ethernet) Address：自动显示压印在网络设备标签上的 MAC 地址，无需用户设置。



- 只有在未选中 DHCP 的情况下才能设置 IP 相关参数。



如果使用宽带路由器

- IP Address：输入宽带路由器提供的 IP 范围内的地址。
例) 192.168.1.2~254,
192.168.0.2~254,
192.168.XXX.2~254
- Subnet Mask：宽带路由器的 <子网掩码> 将是网络视频编码器的 <子网掩码>。
- Gateway：宽带路由器的 <本地 IP 地址> 将是网络视频编码器的 <网关>。



- 设置可能因连接的宽带路由器型号而异。有关详细信息，请参阅适用路由器的用户手册。
- 如需宽带路由器的正向端口的更多信息，请参阅“路由器端口设置”。(第 30 页)



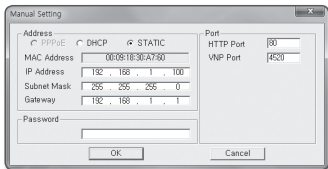
如果不使用宽带路由器

若要设置 <IP Address>、<子网掩码> 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网络设备，默认为 80。
- VNP Port：用于控制视频信号传输，默认值为 4520。

5. 输入密码。
输入用于访问网络设备的“admin”帐户密码。



网络连接和设置



- 出于安全考虑的原因，建议您的密码使用数字、大小写字母以及特殊字符的组合。
- 如果您要更改密码，请参考用户设置的“管理员密码更改”。（第 82 页）

6. 单击 [OK]。

将完成手动网络设置。

如果宽带路由器连接了多个网络视频编码器

将网络视频编码器与 IP 地址和端口相关的字段设置为不同。

类别		网络视频编码器 1	网络视频编码器 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，才能访问网络视频编码器。
例) http://IP address: HTTP Port
http://192.168.1.100:8080

自动网络设置

运行 <IP Installer_v2.XX.exe> 以显示网络设备搜索列表。

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

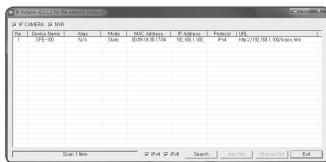


- 对于使用 IPv6 设置的网络设备，这些按钮将变灰，因为这些网络设备不支持此功能。

1. 从搜索结果中选择网络设备。

查找在网络设备背面标注的 MAC（以太网）地址。

将激活 [Auto Set] 和 [Manual Set] 按钮。

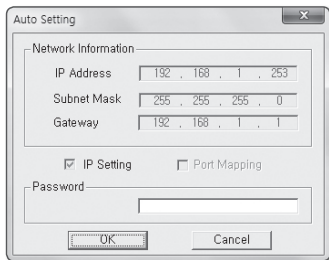


- 单击 [Auto Set]。
Auto Setting 对话框将会出现。
将自动设置 <IP Address>、<Subnet Mask> 和 <Gateway>。

- 输入密码。
输入用于访问网络设备的“admin”
帐户密码。

- 出于安全考虑的原因，建议您的密码使用数字、大小写字母以及特殊字符的组合。
- 如果您要更改密码，请参考用户设置的“管理员密码更改”。(第 82 页)

- 单击 [OK]。
将完成自动网络设置。



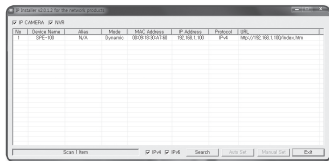
动态 IP 设置

动态 IP 环境设置

- 动态 IP 环境示例
 - 如果 DHCP 服务器为连接了网络设备的宽带路由器分配 IP 地址
 - 网络设备直接连接至基于 DHCP 的调制解调器
 - 如果 IP 由内部 DHCP 服务器通过 LAN 分配

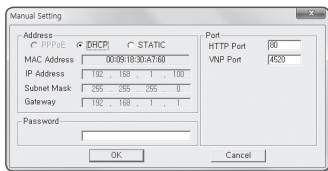
检查动态 IP

- 在用户的本地计算机上运行 IP 安装程序。在列表中显示分配有 <Dynamic IP> 地址的网络设备。
- 从搜索结果中选择网络设备。



网络连接和设置

- 单击 [Manual Set] 按钮并选中网络设备的 <Dynamic IP> 地址。
如果取消选中 <DHCP>，可以将 IP 更改为 <Static>。

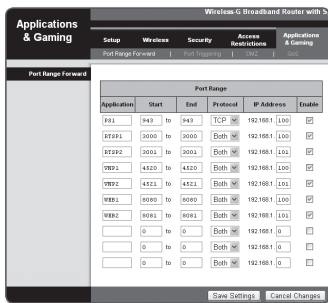


路由器端口设置

如果您安装了连接网络视频编码器的宽带路由器，就必须设置在宽带路由器上转发的端口范围，以便远程计算机可以访问其中的网络视频编码器。

手动端口设置

- 从宽带路由器的 Setup 菜单中，选择 <Applications & Gaming> - <Port Range Forward>。
对于第三方宽带路由器端口范围前移设置，请参阅该宽带路由器的用户手册。
- 对连接到宽带路由器的每个网络视频编码器选择 <TCP> 和 <UDP 端口>。
宽带路由器的每个端口号都应该与编码器 Web 查看器菜单的 <Setup> - <Network> - <端口> 中指定的端口号相匹配。
- 完成后，单击 [Save Settings]。
将保存设置。



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

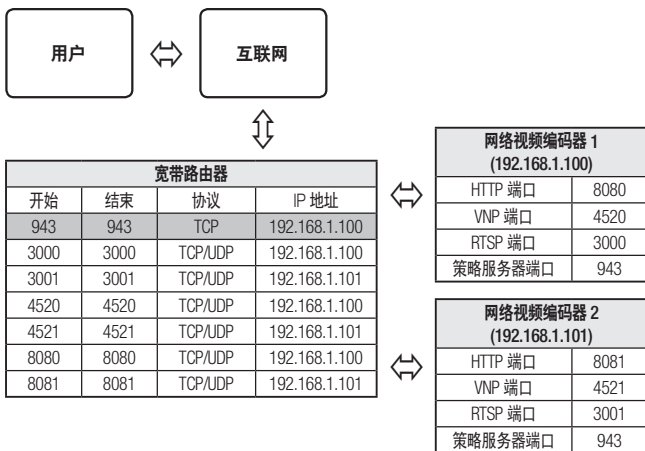
设置多个网络视频编码器的端口范围转发

当多个网络视频编码器连接到一个宽带路由器设备时，您应将路由器的 TCP 943 端口转发到所连接网络视频编码器的 TCP 943 端口。

❗ 如果您没有正确设置路由器的 TCP 943 端口，则无法从网络视频编码器的网页上获得任何视频流。

- TCP 943 端口是网络视频编码器的 Silverlight 策略服务器端口。
- 您可通过配置网页在宽带路由器设备上设置正向端口的规则。
- 您无法更改网络视频编码器的 Silverlight 策略服务器端口。
- 您可通过其配置网页更改网络视频编码器的端口，但不可更改策略服务器端口。

当将网络视频编码器 1 和网络视频编码器 2 连接至路由器时：

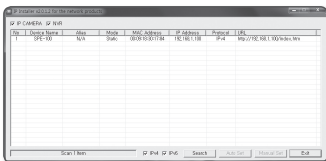


- 🔧 如果路由器支持 UPnP (通用即插即用) 功能，无需额外路由器设置即可实现端口转发。在连接编码器后，在 “Setup → Network → DDNS” 菜单中将 <Samsung DDNS> 的 <Quick connect> 设置为 <开>。

网络连接和设置

从共享的本地计算机连接到网络设备

1. 运行 IP Installer。
搜索已连接的网络设备并显示在列表上。
2. 双击要连接至的所需网络设备。
互联网浏览器将会启动并连接至该网络设备。



-  ■ 您也可以在互联网浏览器的地址栏中输入所发现网络设备的 IP 地址的方式访问视频编码器。

从远程计算机通过互联网连接到网络视频编码器

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

1. 您应该设置宽带路由器端口范围转发，然后才能访问宽带路由器网络中的网络视频编码器。
2. 从远程计算机启动互联网浏览器，并在地址栏中输入网络视频编码器的 DDNS URL 地址，或者在地址栏中输入宽带路由器的 IP 地址。
例) <http://www.samsungipolis.com/>制品用户

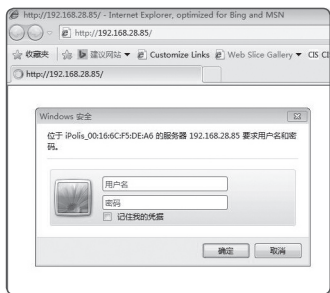
-  ■ 有关注册 DDNS 设置，请参阅“注册 DDNS”。(第 61 页)

web 查看器

连接至网络视频编码器

通常, 您应该

1. 启动互联网浏览器。
2. 在地址栏中输入网络视频编码器的 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::ffff:1111]
- 将会出现登录对话框。



如果 HTTP 端口为除 80 以外的值

1. 启动互联网浏览器。
2. 在地址栏中输入网络视频编码器的 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. 在地址栏中输入网络视频编码器的 DDNS URL。
 - 例) URL 地址 : http://www.samsungipolis.com/制品用户
- 将会出现登录对话框。

! 在只有 LAN 的环境中禁用网络连接。

web 查看器

检查 DDNS 地址

如果网络视频编码器直接连接到 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。

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。

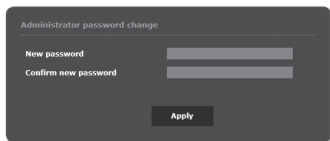
要向 <DDNS> 服务器注册您的设备，请访问 www.samsungipolis.com 并先注册您的设备，然后将 Web Viewer 的 <Network> - <DDNS> 设置为 <Samsung DDNS>，同时提供用于 DDNS 注册的 <产品 ID>。

密码设置

首次访问产品时，必须先注册登录密码。
出现“密码更改”窗口时，输入新密码。



- 新密码长度必须为 8-15 个字符，至少包含两个大写字母/小写字母、数字以及特殊字符。
 - 允许使用的特殊字符为：~!@#\$%^&*()-+=|{}[]?/
- 您不能将您的 ID 用作密码。您不能重复相同的字母超过两次，您不能使用三个连续的键盘按钮。
- 如果您丢失了密码，可按住[RESET]按钮初始化该产品。因此请使用记事簿写下或记住您的密码以防丢失。



登录

每当访问本产品时，都会出现登录窗口。
输入用户 ID 和密码即可访问本产品。

- 在 <用户名(U)> 输入框中输入“admin”。
管理员 ID，即“admin”是固定的，无法更改。
- 在 <密码(P)> 输入字段中输入密码。
- 单击 [确定]。
如果已成功登录，您将会看到 Live Viewer 屏幕。



- 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。
- 如果屏幕大小是 100%，则您可以体验最佳视频质量。降低该比率可能会切掉边框上的图像。

web 查看器

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。

在 Windows 操作系统上安装

1. 单击 <Click Here>。



2. 当文件下载对话框弹出时，请单击 <Run>。



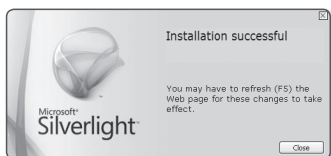
3. 完成下载后，请单击 <Run>。



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>。



在 MAC 操作系统上安装

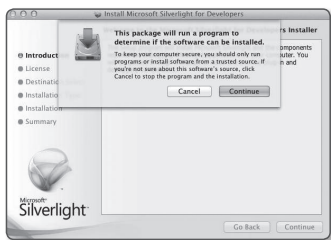
1. 运行以 “.dmg” 结尾的文件。



2. 运行自动创建的以 “.pkg” 结尾的安装包文件。



3. 单击 <Continue>。



web 查看器

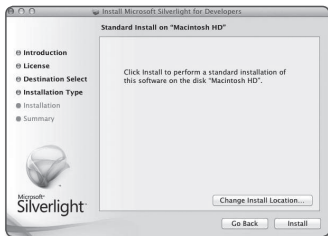
4. 在选择语言屏幕上选择语言，然后单击 <Continue>。



5. 单击 <Agree>。



6. 单击 <Install>。



7. 输入当前登录的帐户的密码，然后单击 <Install Software> 并继续。



8. 完成后，单击 <Close>。



web 查看器

安装 WEBVIEWER 插件

如果是第一次连接到编码器，将会看到安装消息。然后，安装所需的WebViewer 插件，以访问编码器并实时控制其中的视频。

1. 在第一次访问监控页面时，屏幕会显示安装页面。单击 **[Click Here]** 以开始安装。

Network Camera Webviewer Plugin Installation/Update.

[Click Here](#)

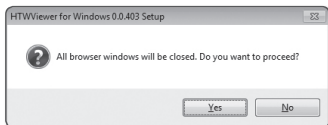


- 如果 Internet Explorer 浏览器中的插件安装文件下载状态停留在 99%，请在“工具 → SmartScreen 筛选器”中选择“释放 SmartScreen 筛选器”。

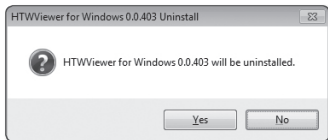
2. 在消息窗口中单击 **[Run]**。



3. 当通知窗口指示将关闭所有浏览器窗口时，单击 **[Yes]**。

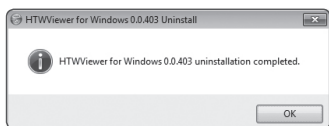


4. 如果已安装了旧版本的 Web 浏览器插件，屏幕会显示一个通知窗口以指示旧版本将被删除。
在该通知窗口中单击 **[Yes]**。

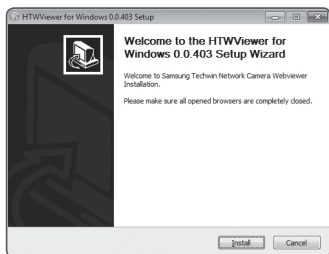


- 如果尚未安装任何 Web 浏览器插件，将跳过步骤 4 和 5。

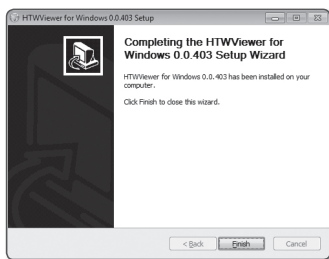
5. 单击 [OK]。
旧版本的 Web 浏览器插件即被删除。



6. 单击 [Install], 开始安装 Web 浏览器插件。



7. 单击 [Finish]。Web 浏览器插件即完成安装。



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	切换到在 SD 存储中播放录制数据的监视屏幕。
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。 ■ 在 Viewer 屏幕中，可以使用鼠标滚轮来激活数码缩放。
5 配置文件类型	可以在 <视频> 设置菜单下的 <Video & Audio> 中选择配置文件类型。 ■ 连接 Web Viewer 后，将会显示当前使用的配置文件的信息。
6 屏幕优化	来自摄像机的视频尺寸将放大为与 Web 浏览器尺寸一样大。
7 固定分辨率	不管在摄像机中配置的分辨率设置如何，系统都会将分辨率设置为 640x480。再按一次它会切换回默认分辨率。

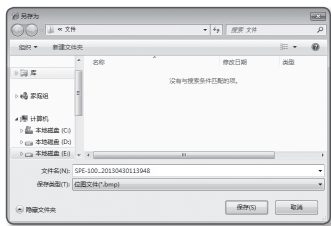
项目	说明
8 全屏	将当前视频切换至显示器的最大大小。
9 捕捉	以 .bmp 或 .jpg 格式将快照另存为图像文件。
10 音频/麦克风控制	启用音频和麦克风音量控制。 ■ 只能控制音频音量。
11 警报输出	激活警报输出端口。
12 外部 PTZ	将外部 PTZ 连接到 RS-485 端子，并通过箭头键控制 PTZ 摄像机镜头方向。 ■ 仅当摄像机连接至与平移/倾斜兼容的接收器时，平移/倾斜操作才可用。
13 隐藏上下文菜单	左上角的上下文菜单将会消失，只留下菜单图标。

捕捉快照

1. 在场景上单击 **捕捉** () 进行捕捉。捕捉对话框将会出现。
2. 确认保存路径，然后单击 **保存(S)** 按钮。
屏幕截图会保存在指定的路径中。



- 如果您在 Windows 7 计算机上使用 IE8 时发生视频中断，请从“工具 - Internet 选项 - 安全”中取消选择“启用保护模式”。
- 如果 Windows 7 或 8 中的 IE 浏览器没有捕捉该屏幕，请使用管理员权限运行 IE 浏览器。



web 查看器

适合全屏

1. 单击 **[全屏 ()]** 按钮。
2. 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]**。



■ 对于 Internet Explorer 和 Google Chrome 浏览器，您可以切换至全屏。

使用音频

1. 单击 **[音频 ()]** 图标以激活音频通信。
2. 使用 **[]** 滑块控制音量。



■ 如果设备运行中插入和拔出音频插头时没有声音，单击 **[音频 ()]** 图标以将其再次启用。

使用麦克风

单击 **[麦克风 ()]** 图标以激活麦克风。

控制 PTZ

1. 单击 **[PTZ ()]** 选项卡。
2. 当屏幕上出现 PTZ 图标条时，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“外部PTZ设置”。(第 55 页)

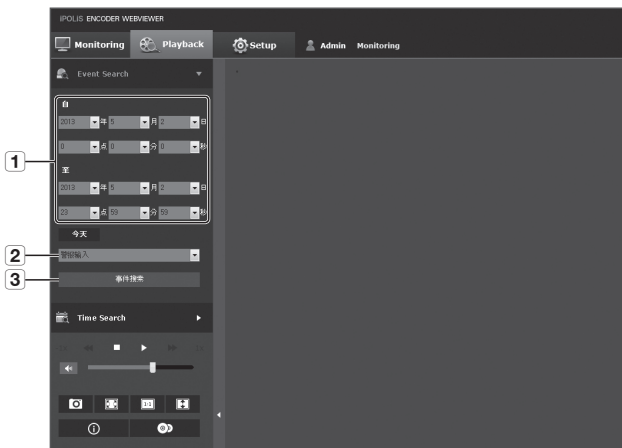


播放录制的视频



- 在可以播放视频之前，必须配置录制设置。有关录制设置的详细信息，请参阅“存储器”。（第 69 页）

事件搜索屏幕的名称及其功能



项目	说明
1 搜索范围设置	设置保存在 SD 存储卡中的数据的搜索日期和时间。
2 搜索事件设置	将事件类型设置为在搜索时间段内搜索。
3 事件搜索	运行事件搜索。

web 查看器

在按事件搜索后播放内容

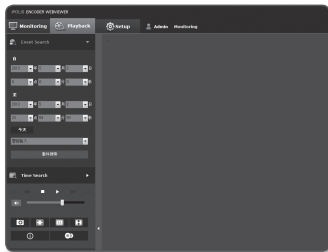
1. 单击 [Playback (⏮)] 选项卡。
2. 指定搜索的开始和结束时间。
3. 选择指定时间段内搜索的事件类型。
4. 单击 [事件搜索] 按钮。
搜索结果将显示在列表中。



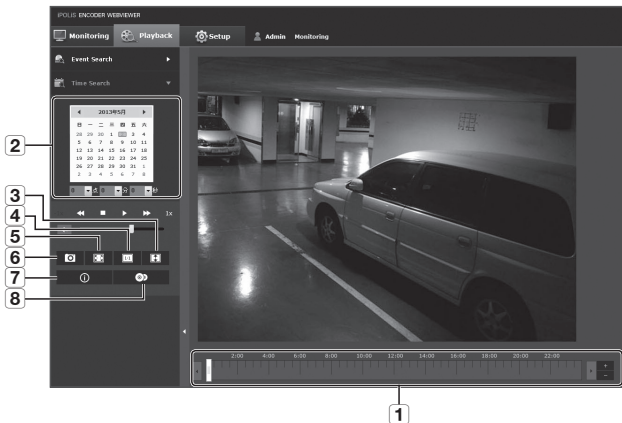
- 如果在搜索时间段内录制了超过 800 个事件，则搜索将限制为录制第 800 个事件的日期。

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 (■)]。
8. 要返回到搜索屏幕，请单击 [退出 (↶)]。



时间搜索屏幕的名称及其功能



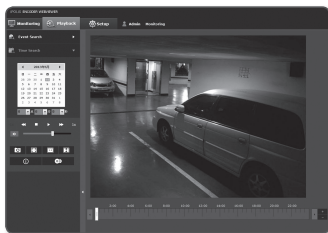
项目	说明
1 时间条	通过移动时间条播放特定时间段的部分。
2 搜索日期设置	使用日历设置搜索日期。 ■ SD 存储卡中视频的日期显示在日历上的框中。
3 屏幕优化	转换摄像机图像，使它适合 Web 浏览器窗口。
4 固定分辨率	不管在摄像机中配置的分辨率设置如何，系统都会将分辨率设置为 800x600。再按一次它会切换回默认分辨率。
5 全屏幕	转换当前图像，使它覆盖显示器的最大尺寸。
6 搜索事件设置	当前图像另存为 .jpg 或 .bmp 图像文件。

web 查看器

项目	说明
7 视频信息	屏幕上将显示回放视频的时间数据。
8 备份	设置时区以备份保存在 SD 存储卡中的视频。 ■ 最多可设置为 5 分钟。

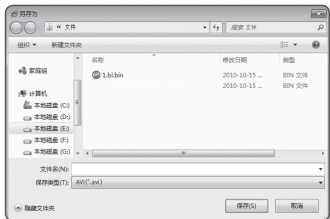
在按时间搜索后播放

1. 单击 [Time Search (📅)] 选项卡。
2. 在日历中单击所需日期。
将会播放指定日期上的视频。
3. 如果视频播放已停止，请选择时间，
然后单击 [播放 (▶)]。
将会播放所选日期上的视频。
4. 播放视频时，将会显示当前视频的录制时间。
5. 向前或向后搜索视频，并控制播放速度。
 - 控制播放速度
如果选择 ▶▶，按钮将切换为 x1, x2, x4, x8，并且播放速度相应提高。
如果选择 ◀◀，播放速度降至 -x1, -x2, -x4, -x8，并且播放速度逐渐放慢。随后，快速播放速度恢复为正常速度，反向播放速度增加。
 - 控制播放方向
如果您看到显示 ▶▶ 按钮和播放速度，将会向前播放视频；而如果您看到显示 ◀◀ 按钮和播放速度，将会向后播放视频。
6. 先将 [时间滑块 (🎛️)] 移至视频的所需时间点再播放。
包含标准录制文件的时间将以蓝色突出显示；包含事件录制内容的时间将以红色突出显示。



备份搜索到的视频

1. 在播放期间，在场景上单击 [] 进行备份。
备份开始和结束时间的计划窗口将会出现。
2. 单击 [] 按钮。
另存为窗口将会出现。
3. 确认保存路径，然后单击 [保存(S)] 按钮。
屏幕截图将备份到指定的路径中。



播放备份视频

备份图像保存为 .avi 格式。建议使用兼容该格式的 Gorn Player、VLC Player 或 Window Media Player 媒体播放器。



- 如果使用 Windows Media Player，请在使用前从 www.windows7codecs.com 下载最新的编解码器，然后安装。

web 查看器

播放 AVI 文件

- ❗ AVI 文件不包含录制时间数据。

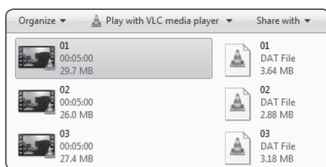
1. 从编码器中取出 SD 存储卡。

- ❗ 在取出 SD 存储卡之前，在“Setup → Event → 存储器”菜单中将 <设备> 设置为 <关>。

2. 将 SD 存储卡插入 PC。

3. 使用媒体播放器播放 “\ch00\img\YYYY_MM_DD” 目录中的 AVI 文件。

- ✎ 文件名称以 “01.avi” 开始，其中文件编号按 1 递增。
- 如果受损，SD 存储卡中的数据无法在 Web Viewer Playback 中播放。



设置屏幕

设置

可以配置编码器在网络中的视频和音频、网络、事件及系统设置。

1. 在现场屏幕中，单击 [Setup ()]。
2. 设置屏幕将会出现。

-  需要在计算机上安装 Microsoft Silverlight 5.0 或更高版本才能设置提供预览视频的页面。如果尚未安装该软件，则会自动移至 Silverlight 安装程序。

视频与音频设置

视频配置文件

1. 从设置菜单，选择 <Video & Audio ()> 选项卡。
2. 单击 <视频配置文件>。
3. 设置 <视频配置文件连接策略>。
 - 在更改配置文件设置时保持连接：更改现有连接使用的配置文件属性不影响此类连接并且保留旧配置文件的设置。
如果未选中，则更改现有有连接使用的配置文件会重设此类连接。
4. 选择每个配置文件属性。
如需更多信息，请参阅“添加/更改视频配置文件”。（第 53 页）
5. 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：如果在使用 Web Viewer 时未选择配置文件，则会应用默认视频配置文件。

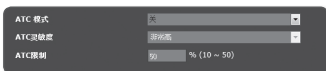


设置屏幕

- 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。
- 音频输入：设置是否使用音频进行视频录制。

6. 根据您的情况，设置 ATC（自动传输控制）模式。

- ATC 模式：它可以根据网络带宽的变化调整视频属性，以控制比特率。根据 ATC 模式调整比特率。
 - 控制帧速率：如果网络带宽下降，则降低帧速率。
 - 控制压缩：如果网络带宽下降，则控制压缩率。压缩调整可能会导致图像质量下降。
- 如果 <比特率控制> 设置为 <CBR>，则根据 ATC 模式，按如下所示固定编码优先级：



比特率控制/ATC 模式	控制帧速率	控制压缩
CBR	帧速率	压缩

- ATC 灵敏度：根据网络带宽的变化影响传输速率。如果带宽为 <非常高>，传输速率将调整为最高，如果带宽为 <非常低>，则调整为最慢。
- ATC 限制：如果调整帧速率的质量，此属性将更改为针对上一设置值 (100%) 的应用值 (%)。请注意，如果您将此属性值降低太多，屏幕上可能会闪烁。因此，建议在阈值范围内调整该值。



- 建议仅对支持 ATC 的编解码器应用 ATC 控制。
- 在网络带宽变化较大的网络环境中，将 ATC 灵敏度设置为 <非常低>。
- 如果网络连接不稳定，屏幕可能会闪烁。

7. 完成后，请单击 [应用 ()]。

添加/更改视频配置文件

根据录制条件，可以添加或修改配置文件设置来适应不同的配置文件。

1. 选择 <视频配置文件> 选项之一。
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。

单击 <高级> 以显示上下文。

- 分辨率：设置 MPEG-4、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。
- 最大比特率：指定视频的最大比特率。



- 由于比特率可以根据清晰度、帧频和屏幕复杂性进行有限的调整，所以实际比特率可能比最大比特率要大。所以在设定值时必须考虑使用环境。

- 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。



- 如果比特率控制设置为恒定比特率，则实际传输帧率可能低于设置的帧率，因为帧率优先模式会切换到压缩率优先模式以确保在某个比特率达到最高影像质量，而这个比特率的设置取决于屏幕的复杂程度。

- 目标比特率：指定将要传输视频的比特率。
- 编码优先权：可以将视频传输方法设置为帧率或质量。
- 视频组长度：当 H.264 编解码器被选择时指定一个视频序列中两个连续 I 帧之间的距离（按照多个帧）。（一个 I 帧 + 0）。
- 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 (SVNP)：指定使用 SVNP 协议。
 - IP 地址：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 SVNP 数据包设置 TTL。

设置屏幕

- 多播 (RTP)：指定 RTP 协议的使用。
 - IP 地址：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。



- 如果您将多播地址设置为 224.0.0.0~224.0.0.255，则多播不能在所有环境中都正常工作。鉴于这种情况，我们建议您更改多播地址。

什么是视频组长度？

GOV（视频对象平面组）是一组用于 MPEG-4 和 H.264 压缩的视频帧，表示从初始 I-Frame（关键帧）到下一个 I-Frame 的帧集合。

视频组由 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。

对于 MPEG-4 和 H.264 编解码器，可以决定视频对象平面组的长度。

音频设置

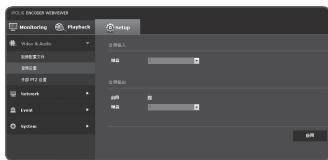
可以从编解码器中配置音频源的 I/O 设置。

1. 从设置菜单，选择 <Video & Audio (🔊)> 选项卡。
2. 单击 <音频设置>。
3. 设置音频输入值。
 - 增益：指定音频输入放大倍数。



- 如果声源的音量或增益值设置过度，可能会发生音质下降或振鸣。

4. 设置音频输出级别。
 - 启用：设置是否使用音频输出。
 - 增益：指定音频输出放大倍数。
5. 完成后，请单击 [应用 (应用)]。



外部 PTZ 设置

设置外部 PTZ 摄像机的连接值，以使用摄像机的 RS-485 连接对 PTZ 进行控制。

1. 从设置菜单，选择 <Video & Audio ()> 选项卡。
2. 单击 <外部 PTZ 设置>。
3. 指定串行端口。
连接摄像机后，可以设置 RS-485 通信模式。
 - 协议：从下列选项中选择摄像机协议 SAMSUNG-T / SAMSUNG-E / PELCO-D / PELCO-P / SUNGJIN / PANASONIC / HONEYWELL / AD / VICON / GE / BOSCH。
 - 摄像机ID：显示固定摄像机 ID。
 - 波特率：RS-485 通信的传输速率。
 - 数据位：指定数据位。
 - 奇偶校验：指定奇偶校验位。
 - 停止位：指定停止位。
4. 完成后，请单击 [应用 ()]。



■ 为此，必须确保摄像机和设备已通过 RS-485 通信端口得到了正确连接。此外，已连接摄像机的串行端口应能正常工作。

5. 设置已连接摄像机的菜单。
有关详细信息，请参阅“**如需设置摄像机菜单**”部分。（第 57 页）
6. 单击右上角的 <PTZ> 按钮，移动到 PTZ 设置菜单。



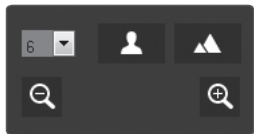
设置屏幕

7. 调整方向。

- [将方向更改为 (◀)/(↙)/(▶)/(↘)/(▶)/(▶)/(▶)/(▶)/(▶)]: 调整摄像机方向。
- [移动速度控制 (6 ▾)]: 数字越大, 移动速度越快。

8. 设置焦点和缩放。

- [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 (6 ▾)]: 数字越大, 变焦速度越快。



9. 设置预设。



- 仅当摄像机和设备的 RS-485 通信端口已连接并且 <串口设置> 为正常时, 才能控制平移/倾斜/缩放。

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。

移动预置

1. 选择想要移动的预置编号。
2. 按下 [↻] 按钮。

如需设置摄像机菜单

请运行 Web 查看器以检索摄像机设置菜单并更改该设置。

1. 单击右上角的 <OSD> 按钮，移动到 OSD 设置菜单。
2. 单击 [▲ / ▼] 按钮，移动到所需的菜单。
3. 单击 [X] 按钮或 [←] 按钮，移动到菜单或取消。



- 摄像机菜单可能会按已连接摄像机的类型而有所不同。



设置屏幕

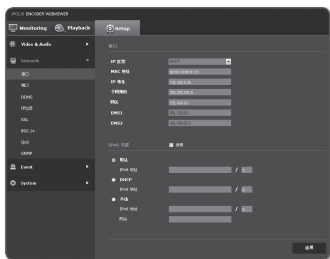
网络设置

接口

1. 从设置菜单，选择 <Network ()> 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。
4. 配置 <IPv6 设置>。
 - 设置为 <使用> 以使用 IPv6 地址。
 - 默认：使用默认 IPv6 地址。
 - DHCP：显示并使用从 DHCP 服务器获取的 IPv6 地址。
 - 手动：手动输入 IP 地址和网关并使用它。
5. 完成后，请单击 [应用 ()]。



- IP 寻址系统将默认为 DHCP。如果未找到 DHCP 服务器，将自动恢复之前的设置。
- 完成编辑之后，单击 [应用 ()] 以应用更改，并且浏览器将会退出。一小会之后，使用更改后的 IP 再次连接。



端口

1. 从设置菜单，选择 <Network ()> 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：HTTP 端口用于通过 Web 浏览器访问编码器。
默认值是 80(TCP)。
 - 安全策略不允许将 Safari 和 Google Chrome 浏览器的 HTTP 端口设置为 65535。
- 设备端口：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。
- Web 流端口：用于将视频传输到 Web 查看器，默认值为 4520。
- Silverlight 政策端口：Silverlight 用于允许获得网络连接；默认为 943。



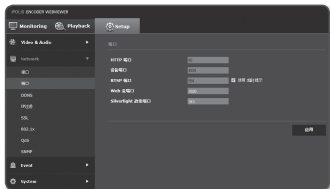
- 如果更改了 HTTP 端口，则浏览器会退出。

此后，地址应该在 IP 后面包含新分配的 HTTP 端口。

例) IP 地址：192.168.1.100，HTTP 端口：分配了 8080 → http://192.168.1.100:8080
(如果将 HTTP 端口设置为 80，则不需要指定端口号)

- 网络流的端口范围是介于 4502 和 4534 之间。如果设备端口在此有效范围内，则指定的网络流端口应该与设备端口相同。
- 不能更改编码器的 Web 流/Silverlight 策略服务器端口。

4. 完成后，请单击 [应用 ()]。



设置屏幕

DDNS

DDNS 是 Dynamic Domain Name Service（动态域名服务）的缩写，此服务将编码器的 IP 地址转换为常规的主机名，以便用户记忆。

1. 从设置菜单，选择 <Network ()> 选项卡。

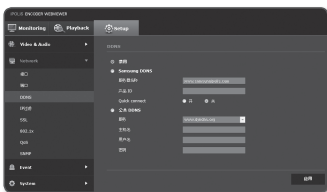
2. 单击 <DDNS>。

3. 选择 <DDNS> 连接类型。

4. 根据所选类型键入 DDNS 项目。

- Samsung DDNS：如果使用 Hanwha Techwin 提供的 DDNS 服务器，请选择此项。
 - 产品 ID：输入向 Samsung DDNS 服务注册的产品 ID。
 - Quick connect：当与支持 UPnP（通用即插即用）的路由器配合使用时，它会自动设置端口转发。
- 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。
 - 服务：选择所需的公共 DDNS 服务的服务器。
 - 主机名：输入向 DDNS 服务器注册的主机的名称。
 - 用户名：输入 DDNS 服务的用户名。
 - 密码：输入 DDNS 服务的密码。

5. 完成后，请单击 [应用 ()]。



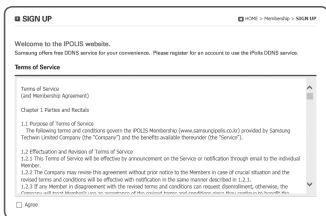
■ 选择了 <Quick connect>，请确保选择 Samsung DDNS 服务。



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。



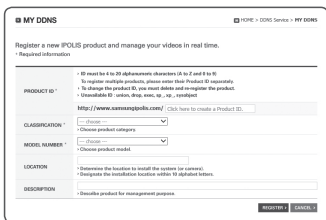
2. 从顶部的菜单栏，选择 <DDNS SERVICE> - <MY DDNS>。



3. 单击 [PRODUCT REGISTRATION]。
4. 输入产品 ID。
 - 必须重复检查您输入的 ID。



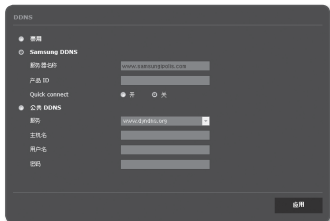
5. 选择 <CLASSIFICATION> 并指定 <MODEL NUMBER>。
6. 指定产品位置及说明（如有必要）。
7. 单击 [REGISTRATION]。产品将添加至产品列表，您可以对其进行检查。



设置屏幕

在编码器设置中连接到 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 ID 时指定的 <产品 ID>。
3. 单击 [应用 (应用)]。
成功进行连接后，屏幕上将显示消息 <(成功)>。



在编码器设置中配置公共 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 (应用)] 按钮。
如果正确建立连接，<(成功)> 将会出现。
4. 完成后，请单击 [应用 (应用)]。



- 要正确使用 DDNS 服务，需要 DDNS 设置和路由器的端口转发设置。
对于端口转发设置，请参阅“[路由器端口设置](#)”。(第 30 页)

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 <Network ()> 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. 单击 [添加 ()] 按钮。
将会创建 IP 列表。

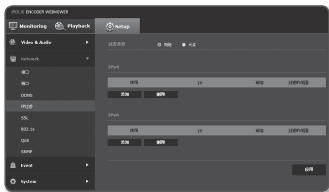
5. 提供想要授予或拒绝访问权限的 IP。
输入 IP 地址和前缀时，可用的 IP 地址列表将出现在右侧过滤范围列中。



- 如果为 IP 过滤 选择了 <允许> 并且 <接口> 的 <IPv6 设置> 设为 <使用>，则应该分配当前计算机配置的 IPv4 和 IPv6 地址。
- 不能将用于当前设置的计算机的 IP 地址添加至 <拒绝>，应该将它添加至 <允许>。
- 只有设置为 <使用> 的 IP 地址才会显示在过滤器列中。

6. 从列表中选择要删除的 IP。
单击 [删除 ()] 按钮。

7. 完成后，请单击 [应用 ()]。



设置屏幕

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 **<Network ()>** 选项卡。

2. 单击 **<SSL>**。

3. 选择安全连接系统。

- 如需使用 HTTPS 模式访问编码器，必须采用 “https://<Encoder_IP>” 格式键入编码器的 IP 地址。

如果未在 Internet Explorer 中以 HTTPS 模式配置 Web Viewer 设置，请按如下所示编辑

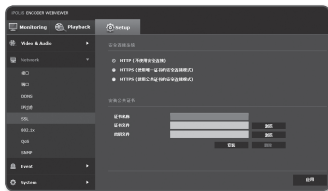
Internet 选项：<菜单 → 工具 → Internet 选项 → 高级 → 安全 → 取消选择 TLS 1.0 并选择 TLS 1.1、TLS 1.2>

4. 搜索要在编码器上安装的公共证书。

如需在编码器上安装该证书，需要提供证书名称（该名称可以由用户任意指定）、从证书颁发机构颁发的证书文件及密钥文件。

- 仅当安装了公共证书，<HTTPS (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 (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 (安装)] 按钮。

删除证书

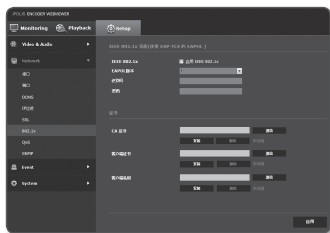
1. 单击 [删除 (删除)] 按钮。

2. 要删除公共证书，应该在 <HTTP (不使用安全连接)> 或 <HTTPS (使用唯一证书的安全连接模式)> 模式下访问网络视频解码器。

802.1x

连接网络时，您可以选择是否使用 802.1x 协议，然后安装证书。

1. 从设置菜单，选择 <Network ()> 选项卡。
2. 单击 <802.1x>。
3. 设置 <IEEE 802.1x 设置 (使用 EAP-TLS 的 EAPOL)>。
 - 启用 IEEE 802.1x：指定使用 802.1x 协议。
 - EAPOL 版本：选择版本 1 或 2。
 - 识别号：输入客户机证书 ID。
 - 密码：输入客户机专用密钥密码。



 如果连接的网络设备不支持 802.1x 协议，那么即使您设置了该协议，它也不会正常执行。

4. 安装/移除证书。
 - CA 证书：选择包含公共密钥的公共证书。
 - 客户端证书：选择包含客户端证书密钥的公共证书。
 - 客户端私钥：选择包含客户端私钥的公共证书。
5. 完成后，请单击 [应用 ()]。

安装/删除与 802.1x 相关的证书

1. 按每个项目的 [浏览 ()] 按钮并选择要安装的证书。
2. 如果未安装任何证书，则会看到“不可用”出现在所选项目旁边。
3. 按 [安装 ()] 按钮以开始安装，并在项目旁边显示消息“已安装”。
4. 按 [删除 ()] 按钮以删除证书。

设置屏幕

QoS

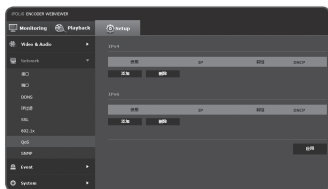
您可以指定优先级以确保特定 IP 的传输率稳定。

1. 从设置菜单，选择 <Network ()> 选项卡。
2. 单击 <QoS>。
3. 单击 [添加 ()] 按钮。
将会创建 IP 列表。
4. 输入将应用 QoS 的 IP 地址。



- 默认前缀对于 IPv4 是 32；
对于 DSCP，默认值设置为 63。
- 只能为设置为 <使用> 的 IP 地址设置优先级。

5. 从列表中选择要删除的 IP。
单击 [删除 ()] 按钮。
6. 完成后，请单击 [应用 ()]。

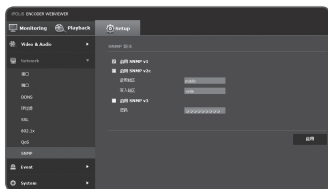


SNMP

通过 SNMP 协议，系统或网络管理员可以监视远程站点上的网络设备，以及配置环境设置。

1. 从设置菜单，选择 <Network ()> 选项卡。
2. 单击 <SNMP>。
3. 指定 <SNMP>。
 - 启用 SNMP v1：SNMP V1 将处于活动状态。
 - 启用 SNMP v2c：SNMP V2 将处于活动状态。

- 读取社区：提供读取社区的名称，可在其中访问 SNMP 信息。默认名称为 <public>。
- 写入社区：提供写入社区的名称，可在其中访问 SNMP 信息。默认名称为 <write>。



- 启用 SNMP v3：SNMP V3 将处于活动状态。
 - 密码：指定 SNMP V3 的默认密码。
 - 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。
 - 密码长度应该为 8–16 个字符。

4. 完成后，请单击 **应用** ()。



- 仅当安全连接模式是 HTTPS 时，才能设置 SNMP v3。
请参阅“SSL”。(第 64 页)

设置屏幕

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使用摄像机拍摄的图像传输到您的计算机。

1. 从设置菜单，选择 <Event (🔔)> 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：输入您将警报或事件图像传输到的 FTP 服务器的 IP 地址。
- 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。
- 上传目录：指定警报或事件图像将传输到的 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>。



• 电子邮件 配置

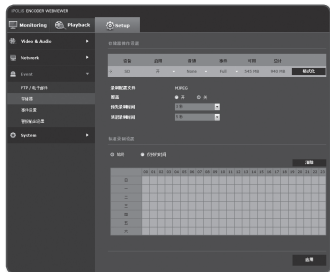
- 服务器地址：输入您将警报或事件图像传输到的电子邮件服务器的 IP 地址。
- 使用身份验证：选择是否使用身份验证。
- SSL 使用：指定使用 SSL。
- ID：输入用于登录电子邮件服务器的用户 ID。
- 密码：输入用于登录电子邮件服务器的用户帐户密码。
- 端口：电子邮件服务器的默认端口为 25；但是，可以根据电子邮件服务器设置使用不同的端口号。
- 收件人：输入电子邮件收件人的地址。
- 发件人：输入电子邮件发件人的地址。如果发件人地址不正确，来自发件人的电子邮件可能会被电子邮件服务器分类为垃圾邮件，这样可能不发送。
- 主题：输入电子邮件的主题。
- 正文：为邮件提供文本。将警报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

4. 完成后，请单击 [应用 (应用)]。

存储器

可以为 SD 存储设置录制条件或录制用途，检查存储数据的大小或格式化 SD 存储。

1. 从设置菜单，选择 <Event (事件)> 选项卡。
2. 单击 <存储器>。



设置屏幕

在 SD 存储上进行录制

1. 检查存储卡的 **<可用>** 大小和 **<总计>** 大小。
2. 如果可用空间足够，请将设备设置为 **<开>**。
检查存储的数据，如果发现这些数据并不重要，可以单击 **<格式化>** 以格式化 SD 存储。
 - 如果 SD 存储卡以低于建议值的速度运行，可能会跳过某些帧。
如需更多信息，请参阅“**推荐 SD/SDHC 存储卡 技术规格**”。(第 10 页)
 - 对于容量较大的 SD 存储卡，格式化的速度将会相应降低。
 - 将编码器设置为较高分辨率、较高比特率和/或较高帧率时，数据流量会增大。
如果数据流量较大，可能会跳过某个帧，但仍会将其全帧存储。
3. 指定存储操作。
 - 录制配置文件：显示录制配置文件的编解码器类型。
 - 覆盖：如果 SD 存储已满，该操作将会删除旧数据并存储新数据以替代旧数据。
 - 预先录制时间：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。
 - 延迟录制时间：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。
 - 普通：以特定帧速率进行录制。
 - 事件：设置发生的特定事件的录制类型。
4. 指定 **<标准录制设置>**。
 - 始终：始终将录制的视频保存到 SD 存储卡中。
 - 如果设置为始终，则激活时间无法更改。
 - 仅预约时间：仅在指定星期几的指定时间录制。
 - [清除(**清除**)]：重置全部设置。
5. 完成后，请单击 [应用 (**应用**)]。

警报输入

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 <Event (🔔)> 选项卡。

2. 单击 <事件设置>。

3. 从 <事件操作设置> 中选择 <警报输入>。

4. 设置是否 <启用>。

5. 指定警报输入设置。

- 类型

- 常开：它通常是打开的，但是如果关闭，将触发警报。
- 常闭：它通常是关闭的，但是如果打开，将触发警报。

6. 指定 <激活时间>。

- 始终：当警报发出时，将始终检查。
当警报发出时，它将在运行的模式下激活。

- 如果设置为 <始终>，激活时间将无法更改。

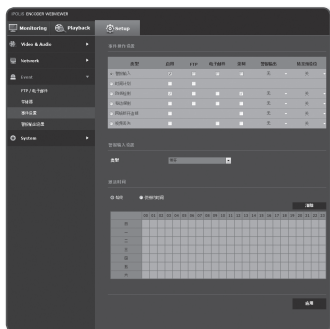
- 仅预约时间：警报发出时，在一周指定的一天检查指定的时间长度。当警报发出时，它将在运行的模式下激活。

- [清除(🗑️)]: 重置全部设置。

7. 指定警报发出时将执行的操作。

- FTP：在警报输入设置中指定使用 FTP 传输。
- 电子邮件：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的使用。
- 警报输出：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。
- 转至预设位：在设置警报输入时，移动至指定的预设位置。
■ 仅当已安装摄像机平移/倾斜接收器时，转至预设位才可用。

8. 完成后，请单击 [应用 (📌)]。



设置屏幕

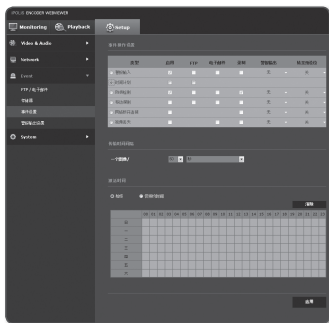
时间计划

可以设置为根据计划以特定间隔保存视频数据，而不考虑事件的实际情况。

1. 从设置菜单，选择 <Event (🔔)> 选项卡。
2. 单击 <事件设置>。
3. 从 <事件操作设置> 中选择 <时间计划>。
4. 设置是否 <启用>。
5. 指定 <传输时间间隔>。
6. 指定激活时间和激活条件。
 - 有关 <激活时间> 和 <动作> 的详细信息，请参阅“警报输入”。(第 71 页)

! ■ 传输时间间隔设置值必须小于预设的启动时间间隔才能成功进行图像传输。

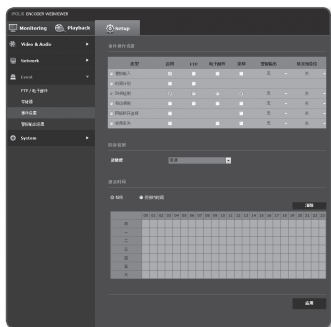
7. 完成后，请单击 [应用 (应用)]。



防拆检测

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

1. 从设置菜单，选择 <Event (🔒)> 选项卡。
2. 单击 <事件设置>。
3. 从 <事件操作设置> 中选择 <防拆检测>。
4. 设置是否 <启用>。
5. 设置防拆检测灵敏度。
灵敏度越高，越能检测最小的拆离尝试。
6. 指定激活时间和激活条件。
 - 有关 <激活时间> 和 <动作> 的详细信息，请参阅“警报输入”。(第 71 页)
7. 完成后，请单击 [应用 (🔒)]。



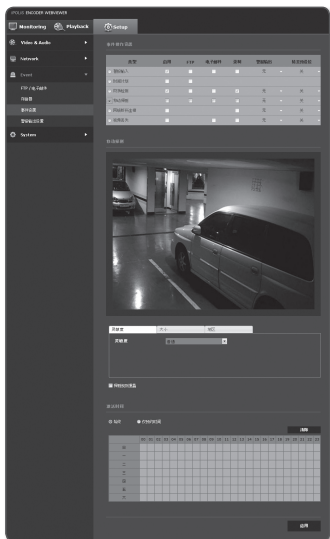
- ❗ 在下列情况下，默认防拆检测功能可能无法正常工作：
- 在简单背景或低照度以及今晚情况下，可能会降低检测灵敏度。
 - 摄像机摇晃严重或照明激烈变化会导致错误地视为拆离。
 - 防拆检测可能会在拆离发生之后的一定时间（最多 5 秒）进行。
 - 一旦检测到拆离，摄像机将继续在特定稳定性时间（大约 5 秒）之后继续标准操作，在此稳定性期间不会执行任何检测。

设置屏幕

移动探测

可以设置移动探测的事件以触发事件信号输出。

1. 从设置菜单，选择 <Event (🔔)> 选项卡。
2. 单击 <事件设置>。
3. 从 <事件操作设置> 中选择 <移动探测>。
4. 设置是否 <启用>。
5. 设置 <灵敏度>、<大小> 和 <地区>。
6. 设置是否使用 <探测规则重叠>。
检测到移动时，会在屏幕上以矩形标出其大小和位置。
 - 绿色：所有目标都检测为移动。
7. 指定激活时间和激活条件。
 - 有关 <激活时间> 和 <动作> 的详细信息，请参阅“警报输入”。(第 71 页)
8. 完成后，请单击 [应用 (应用)]。





- 在使用之前，设置最小和最大移动大小以适合要探测的所需移动范围。
- 物体的探测到大小与实际大小可能会有差异，视其形状而定。
- 从屏幕顶部开始，最多可以显示 16 个物体。
- 出现下列情况时，移动探测功能可能会被降级或导致探测不正确。
 - 拍摄对象的颜色或亮度与背景类似。
 - 摄像机视野边界区域周围的小活动。
 - 由于场景变化、照明快速变化或其他原因，多次移动随机连续发生。
 - 固定的对象在一个位置连续不断地移动。
 - 位置变化不大的移动，例如逐渐靠近摄像机或从摄像机中慢慢消失。
 - 移动的对象离摄像机太近
 - 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。

设置屏幕

使用移动探测

它会探测满足灵敏度、大小和区域指定的所有条件的移动。

1. 选择移动探测模式。

2. 选择 <灵敏度> 选项卡以设置灵敏度级别。可以设置传感器的灵敏度以检测监视视频中脱离背景的移动。

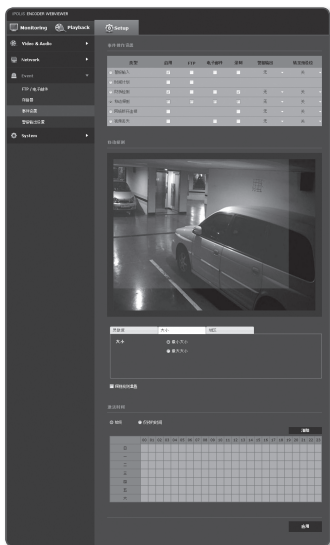
■ 在可以清楚区分物体与背景的情况下，将此项设置为低灵敏度级别。在难以区分物体的相反情况下，如低照度环境中，请将此项设置为高级别。

3. 选择 <大小> 选项卡。

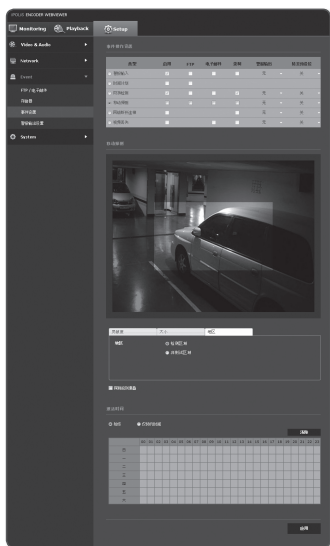
您可以限制要探测的移动的最小/最大大小。

- 最小大小：要设置被探测移动的最小大小，请选择 <最小大小>，然后使用鼠标指向屏幕上的位置并拖动至所需大小。
- 最大大小：要设置被探测移动的最大大小，请选择 <最大大小>，然后使用鼠标指向屏幕上的位置并拖动至所需大小。

■ 无法探测小于指定最小大小或大于最大大小的移动。为了避免大小杂讯导致的意外探测，请根据环境相应地设置最小/最大大小。
请注意，相同位置处的相同移动在其检测大小方面可能会检测到不同；建议您在设置最小/最大探测大小时，考虑并包括允差。



4. 选择 <地区> 选项卡。
您可以指定屏幕上要包括到探测中或从探测中排除的区域。
您最多可以指定 4 个区域。
 - 检测区域：将整个屏幕设置为从探测中排除，并将指定的区域添加为移动探测区域。使用鼠标在图像上选择 4 个顶点以指定探测区域。
 - 非测试区域：将整个屏幕设置为移动探测区域，并排除指定的区域作为不探测的区域。使用鼠标在图像上选择 4 个顶点以指定非探测区域。
5. 要删除区域，请右键单击屏幕以打开弹出窗口上下文菜单，然后选择删除和 [确认] 按钮。
6. 完成后，请单击 [应用 (应用)]。

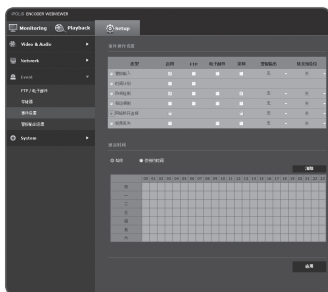


设置屏幕

网络断开连接

您可以接收并保存物理上断开连接的网络的事件。

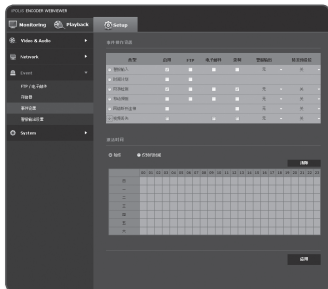
1. 从设置菜单，选择 <Event (🔔)> 选项卡。
2. 单击 <事件设置>。
3. 从 <事件操作设置> 中选择 <网络断开连接>。
4. 设置是否 <启用>。
5. 指定激活时间和激活条件。
 - 有关 <激活时间> 和 <动作> 的详细信息，请参阅“警报输入”。(第 71 页)
6. 完成后，请单击 [应用 (应用)]。



视频丢失

您可以设置在摄像机断开时产生警报，这样会引起视频丢失。

1. 从设置菜单，选择 <Event (🔔)> 选项卡。
2. 单击 <事件设置>。
3. 从 <事件操作设置> 中选择 <视频丢失>。
4. 设置是否 <启用>。
5. 指定激活时间和激活条件。
 - 有关 <激活时间> 和 <动作> 的详细信息，请参阅“警报输入”。(第 71 页)
6. 完成后，请单击 [应用 (应用)]。



警报输出设置

1. 从设置菜单，选择 <Event (🔔)> 选项卡。

2. 单击 <警报输出设置>。

3. 设置编码器的警报输出类型。

- 如果您更改警报输出类型，监视页面上的警报输出按钮和事件设置页面上显示的警报输出类型会相应地更改。

• 类型

- 常开：将传感器或警报输入设备“开路”状态视为正常，如果变成“闭路”状态则触发警报事件。
- 常闭：将传感器或警报输入设备“闭路”状态视为正常，如果变成“开路”状态则触发警报事件。

4. 设置警报输出按钮。

该设置用于监视页面中的警报输出按钮。

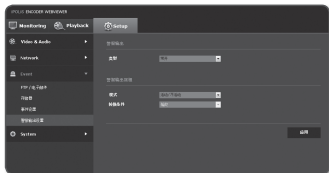
• 模式：设置警报输出方式。

- 以下是在禁用时单击警报输出按钮时操作之间的差异。

- 脉冲：在持续时间（切换间隔）指定的时间段内激活，然后自动变成不活动。
- 活动/不活动：它保持为已激活，直到用户再次单击按钮以使它不活动为止。

- 转换条件：如果模式设置为脉冲，则设置保持激活的警报持续时间：1 到 15 秒。

5. 完成后，请单击 [应用 (应用)]。



设置屏幕

系统设置

产品信息

1. 从设置菜单，选择 <System ()> 选项卡。
2. 单击 <产品信息>。
3. 检查编码器信息，或者根据网络环境提供详细信息。
 - 型号：产品的型号名称。
 - 序列号：产品序列号。
 - 设备名称：提供将在现场屏幕上显示的设备名称。
 - 位置：指定安装编码器的位置。
 - 描述：提供关于编码器位置的详细信息。
 - 备忘录：提供关于编码器的说明，以便用户更好地了解。
 - 语言：选择 Web 查看器 OSD 的首选语言。



- 默认语言设置为 <English>。

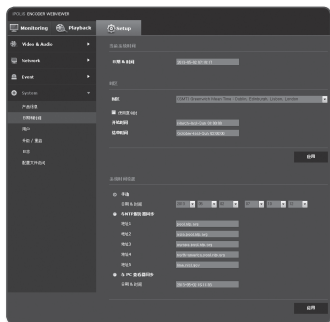
4. 完成后，请单击 [应用 ()]。



日期和时间

1. 从设置菜单，选择 <System ()> 选项卡。
2. 单击 <日期和时间>。
3. 指定将应用于编码器的时间和日期。
 - 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：设置为连接计算机的时间。
4. 完成后，请单击 [应用 ()]。

-  如果您选择 <与 PC 查看器同步>，则应该将标准时区设置为与计算机中的当前时区相同。



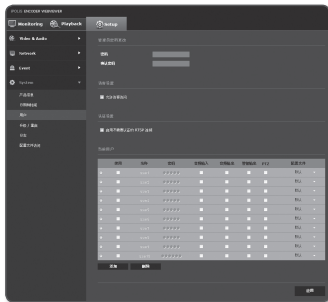
设置屏幕

用户

1. 从设置菜单，选择 <System ()> 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：更改管理员的密码。



- 出于安全考虑的原因，建议您的密码使用数字、大小写字母以及特殊字符的组合。
- 建议每三个月更改密码一次。
- 密码长度和限制如下所示。
 - 至少两种类型的大写字母、小写字母、数字和特殊字符的组合：8 到 15 个字符。
 - 密码应与 ID 不同。
 - 不能重复相同的字母、特殊字符的次数超过三次。
 - 不能使用三个连续字母（例如 abc、123、321 或升序或降序的 ascii 代码值）
 - 允许使用的特殊字符为：~!@#\$%^&*()_+=|[]{}.,?/
 - 在完成出厂设置后，管理员和用户的密码会初始化。您需要重置密码。
 - 首次访问本产品的网页或初始化之后访问时，会出现管理密码设置菜单。
 - 在此菜单中，您需要先使用新密码再次登录，然后再使用产品网页菜单。

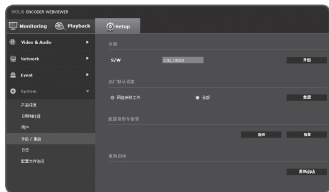


- 如果现有密码不匹配，则更改管理员密码时，无法更改该密码。
 - 更改密码之后，如果有产品连接到 CMS 或 NVR 客户端，则需要使用新更改的密码重新注册该产品。如果该产品仍然使用原来的密码连接，则可能会由于有客户端使用之前的密码而锁定该帐户。
 - 如果您尝试使用注册的帐户登录，5 次或更多次连续密码验证失败，则帐户可能会被锁定三十秒钟。
 - 在更改密码时，如果从 PC 发出多个活动状态连接，则浏览器可能功能不正常。在此情况下，请重新连接到服务器。
 - 访客设置：如果选择了 <允许访客访问>，则访客帐户可以访问 Web Viewer 屏幕，但是只能查看 Live Viewer 屏幕。
 - 访客帐户的 ID/密码是 <guest/guest>，无法更改。
 - 认证设置：如果您选择了 <启用不需要认证的 RTSP 连接>，则您不需要登录就可以访问 RTSP 并查看视频。
 - 当前用户：如果您选择了 <使用>，则您可以设置或更改用户权限。
 - 管理员可以设置音频输入、音频输出和警报输出许可权。
 - 配置文件：如果您选择了 <默认>，则您只能查看默认配置文件视频；如果选择了 <全部>，则您可以查看全部配置文件视频。
 - ! ■ 可用于允许使用 ONVIF 功能的已注册用户的 ONVIF 功能限制为已授予许可权的那些用户。
 - 视频传输和更改视频信息：将配置文件设置为 <全部>，并设置 音频输入 和 音频输出。
 - 视频传输、更改视频信息、视频输出：将配置文件设置为 <全部>，并根据偏好选择其余内容。
 - PTZ 控制：选择 <PTZ>。
4. 完成后，请单击 [应用 ()]。

设置屏幕

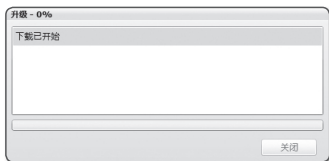
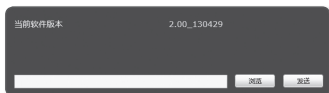
升级 / 重启

1. 从设置菜单，选择 <System ()> 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：初始化除网络设置外的所有设置参数。
 - 全部：重置所有设置，包括编码器设置。(但是，将不重置日志信息)
 - 如果重置编码器，IP 寻址系统会被默认设置为 DHCP。如果未找到 DHCP 服务器，将自动恢复之前的设置。
 - 配置备份与恢复：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。



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。
5. 完成升级后，浏览器退出，并且编码器重启。

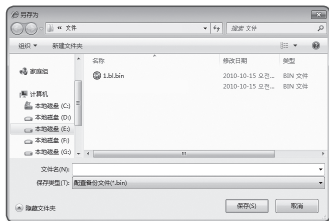




- 升级过程大约需要 20 分钟。
如果强行终止升级流程，升级将无法正确完成。
- 在重新启动系统期间，不能使用 Web Viewer 进行访问。
- 可以从 Hanwha Techwin 网站下载最新版本。

备份当前设置

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 **[保存(S)]**。
备份文件将以“.bin”格式保存到指定的路径。

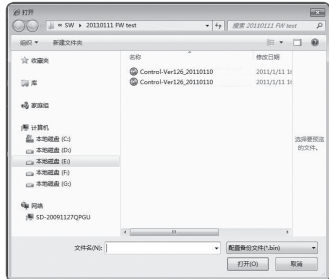


恢复备份设置

1. 要恢复备份设置，请单击 **[恢复]**。
2. 选择备份文件，然后单击 **[打开(O)]**。



- 如果执行备份或还原，Web 浏览器将关闭，并且编码器将重启。

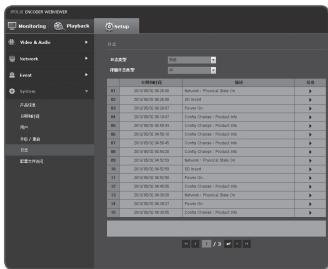


设置屏幕

日志

可以检查系统日志或事件日志。

1. 从设置菜单，选择 <System ()> 选项卡。
2. 单击 <日志>。
3. 选择日志类型。
 - 系统：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。
 - 事件：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窗格中。
- 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。

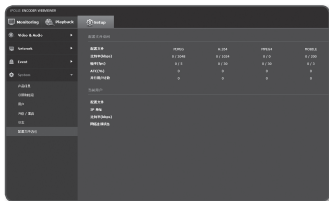
配置文件访问

您可以检查配置文件信息。

1. 从设置菜单，选择 <System ()> 选项卡。

2. 单击 <配置文件访问>。

- 配置文件访问：显示新添加的配置文件的信息。
 - 配置文件：显示新添加的编解码器的信息。
 - 比特率(kbps)：显示实际比特率和设置的比特率。
 - 帧率(fps)：显示实际帧速率和设置的帧速率。
 - ATC(%)：显示 ATC 状态。
 - 并行用户计数：显示访问配置文件的并行用户数。
- 当前用户：显示有关用户访问 Web Viewer 的信息并显示监视视频。
 - 配置文件：显示用户访问的配置文件的名称。
 - 比特率(kbps)：显示当前比特率。
 - 网络连接状态：您可以检查网络连接状态。
 - IP：显示当前用户的 IP 地址。



- 要检查有关当前使用的配置文件的信息，请再次单击 <配置文件访问> 以刷新它。

附录

规格

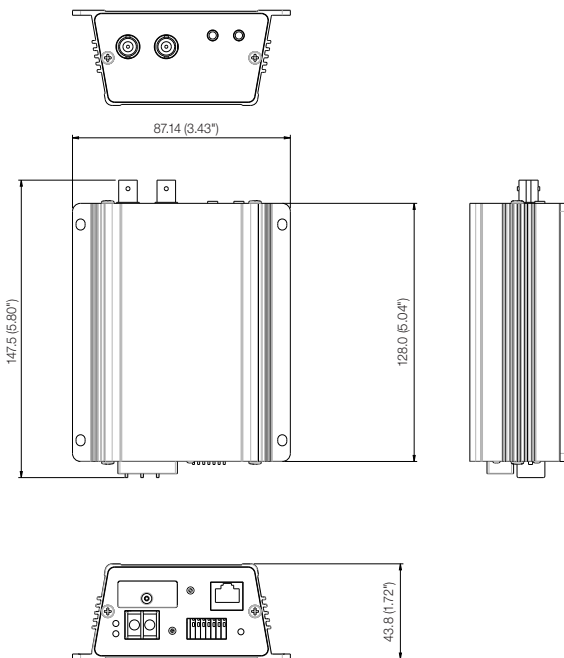
项目		说明
操作	视频输入	CVBS : 1.0 Vp-p / 75Ω 复合, NTSC/PAL 自动检测
	视频输出	CVBS : 1.0 Vp-p / 75Ω 复合, Loop out
	去隔行过滤器	内置
	事件触发	移动探测、警报输入、视频丢失、防拆、网络断开连接
	警报 I/O	1 个输入/1 个输出 (中继)
	遥控器接口	RS-485
	RS-485 协议	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch, Sungjin
网络	以太网	RJ-45 (10/100BASE-T)
	视频压缩格式	H.264、MPEG-4、动态 JPEG
	分辨率	NT : 704x480, 640x480, 352x240, 320x240 PAL : 704x576, 640x480, 352x288, 320x240
	最大帧速率	NT : 30fps / PAL : 25fps
	视频质量调整	H.264/MPEG-4 : 压缩级别、目标比特率级别控制 动态 JPEG : 质量级别控制
	比特率控制方法	H.264/MPEG-4 : CBR 或 VBR 动态 JPEG : VBR
	流能力	多流 (最多 10 个配置文件)
	音频 I/O	1ea 线性输入 / 1ea 线性输出
	音频压缩格式	G.711 μ -law
	音频通信	双向
	IP	IPv4、IPv6

项目		说明
网络	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, QoS, UPnP
	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 802.1x
	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: Window XP / VISTA / 7, Mac OS X(10.7 或更高版本) 支持的浏览器: Internet Explorer (7.0 或更高版本)、 Firefox (9.0 或更高版本)、Chrome (15.0 或更高版本)、 Safari (5.1 或更高版本)
环境	中央管理软件	SmartViewer 4.0, NET-i viewer
	工作温度/湿度	-10°C ~ +50°C (+14°F ~ +122°F) / 相对湿度 20% ~ 80%
	进入保护	-
电气	输入电压/电流	12V DC, PoE (IEEE802.3af)
	功耗	最大 4W
机械	颜色/材料	银色 / 金属
	尺寸(宽 x 高 x 深)	宽 87.14 x 高 43.8 x 深 128.0 毫米 (3.43" x 1.72" x 5.04")
	重量	391g

附录

产品概述

单位：毫米(英寸)



故障排除

故障	解决方法
我无法从 Web 浏览器访问网络视频编码器。	• 检查网络视频编码器的网络设置是否有效且正确。 • 检查以确保已正确连接所有网络电缆。 • 如果使用 DHCP 进行连接，请验证网络视频编码器是否能够获得动态 IP 地址而不会发生问题。 • 如果网络视频编码器连接至路由器，请验证是否正确配置端口转发。
查看器在监视期间断开。	• 如果另一位用户修改了网络视频编码器的网络设置或配置，则现有 Web Viewer 连接可能已过期。 • 检查所有的网络连接。 • 如果网络视频编码器连接至 PPoE 网络，较差的网络流量或条件可能使 Web Viewer 连接中断。
无法使用 IE 7.0 的选项卡浏览器连接系统。	• 由于共享了 cookie 数据，所以与新窗口或选项卡连接时可能出错。不要使用新窗口或选项卡，选择“文件 → 新建会话”
在 IP Installer 程序中检测不到连接至网络的网络视频编码器。	• 关闭计算机上的防火墙设置，然后再次搜索网络视频解码器。
图像重叠。	• 检查是否有两个以上网络视频编码器设置为单个多播地址，而不是设置为不同的地址。如果将单一地址用于多个网络视频编码器，则图像可能会重叠。
无图像出现。	• 如果传输方法设置为多播，请检查网络视频编码器连接至的 LAN 中是否有支持多播的路由器。

附录

故障	解决方法
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 “LOCK”。
在插入 SD 内存后,SD 内存指示灯不亮。	• 检查内存卡是否有缺陷。 • 检查在 <Setup> → <Event> → <存储器> 菜单中,是否选中了录制。
即使插入了 SD 内存卡,网络视频编码器也无法正常操作。	• 检查是否以正确的方向插入内存卡。不保证另一台设备格式化的内存卡能够正常操作。 • 在 <Setup> → <Event> → <存储器> 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 “LOCK”。

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If you want to obtain the complete Corresponding Source code in the physical medium such as CD-ROM, the cost of physically performing source distribution might be charged.

- GPL Software : alsa-lib-1.0.12, alsa-utils-1.0.12, bash-4.1(<http://ftp.gnu.org/gnu/bash/>), busybox-1.15.3(<http://www.busybox.net/>), ethtool-3.5, iproute-1.15.3, iptables-1.3.7, mii-diag-2.11, wpa_supplicant-0.7.3(http://hostap.epitest.fi/wpa_supplicant/)
- LGPL Software : virtualawesome
- MPL Software : Mozilla Firefox(<http://www.mozilla.org/products/firebird/>)
- BSD2.0: lighttpd(<http://www.lighttpd.net/>), ppp-2.4.2(<http://ppp.samba.org/>), net-snmp-5.4.1(<http://www.net-snmp.org/>), game-ws(<https://code.google.com/p/game-ws/>), MiniUPnP Project Client(<http://miniupnp.tuxfamily.org/>)
- MIT License: libxml2-2.7.6, nourses-5.7, Gimpact Collision Kernel, Acewidget, bettermeans, jquery-ui, libxml, Mesa3D-MesaLib, mwEmbed, OpenGL Samples Pack, Wide Studio, xorg-server, dropbear-0.52(<https://matt.ucc.asn.au/dropbear/dropbear.html>)
- OpenSSL License: openssl-0.9.8e(<http://www.openssl.org/>)
- Bzip2 License : bzip2-1.0.5
- JPEG License : Code project – Generating Outline OpenGL, libjpeg

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Version 2, June 1991

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Version 2.1, February 1999

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Component Name	URL
game-ws	https://code.google.com/p/game-ws/

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Component Name	URL
MiniUPnP Project Client	http://miniupnp.tuxfamily.org/

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