

SAMSUNG TECHWIN

СЕТЕВОЙ ВИДЕОДЕКОДЕР

Руководство Пользователя

SPD-400



Сетевой видеodeкодер

Руководство пользователя

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- ❖ Конструкция и характеристики устройства могут быть изменены без предварительного уведомления.
- ❖ Используемый по умолчанию пароль может быть доступен для злоумышленников, поэтому после установки продукта рекомендуется изменить пароль.
Следует иметь в виду, если пароль не изменен, ответственность за проблемы безопасности, и другие связанные проблемы, лежит на пользователе.

ВАЖНЫЕ ПРАВИЛА ТЕХНИКИ БЕЗОПАСНОСТИ

1. Прочтите эти правила.
2. Сохраните эти правила.
3. Принимайте во внимание все предупреждения.
4. Следуйте всем правилам.
5. Не используйте изделие вблизи воды.
6. Чистите изделие только сухой салфеткой.
7. Не загораживайте никакие вентиляционные отверстия. Выполните установку изделия в соответствии с инструкциями изготовителя.
8. Не устанавливайте изделие рядом с источниками тепла, такими, как радиаторы, решетки системы отопления, или другими устройствами, которые генерируют тепло (включая усилители).
9. В целях безопасности не отказывайтесь от использования вилок поляризованного или заземляющего типа. Вилка поляризованного типа имеет два ножевых контакта, один из которых шире другого. Вилка заземляющего типа имеет два контакта и третий заземляющий штырь. Широкое лезвие третьего заземляющего штыря предусмотрено для вашей безопасности.
Если вилка поставляемого вместе с аппаратом шнура питания не подходит для вашей розетки, попросите опытного электрика заменить старую розетку.
10. Не наступайте на шнур питания и не допускайте его защемления, особенно вблизи от штепсельной вилки, в месте подключения к розетке и там, где шнур выходит из изделия.
11. Пользуйтесь только теми приспособлениями/ принадлежностями, которые рекомендованы изготовителем.
12. Используйте устройство только с тележкой, подставкой, штативом, кронштейном и столом, указанными производителем или приобретенными вместе с устройством. Во избежание травм вследствие опрокидывания тележки с устройством соблюдайте осторожность при ее передвижении.
13. Отсоединяйте устройство от сети во время грозы или если оно не используется в течение длительного времени.
14. Все работы, связанные с техническим обслуживанием изделия, должны выполняться квалифицированными специалистами по техническому обслуживанию. Обслуживание изделия требуется выполнять, когда изделие получило какое-либо повреждение, например, был поврежден его шнур питания или вилка шнура питания, внутрь изделия попала жидкость или посторонние предметы, изделие подверглось воздействию дождя или влаги, изделие не работает должным образом, а также после падения изделия.



ПРЕДУПРЕЖДЕНИЕ

ВО ИЗБЕЖАНИЕ ПОВРЕЖДЕНИЙ, СЛЕДСТВИЕМ КОТОРЫХ МОЖЕТ БЫТЬ ПОЖАР ИЛИ ПОРАЖЕНИЕ ЭЛЕКТРИЧЕСКИМ ТОКОМ, НЕ ДОПУСКАЙТЕ ПОПАДАНИЯ ДАННОГО ИЗДЕЛИЯ ПОД ДОЖДЬ ИЛИ В УСЛОВИЯ ВЫСОКОЙ ВЛАЖНОСТИ. ЗАПРЕЩАЕТСЯ ВСТАВЛЯТЬ КАКИЕ-ЛИБО МЕТАЛЛИЧЕСКИЕ ПРЕДМЕТЫ В ВЕНТИЛЯЦИОННЫЕ РЕШЕТКИ ИЛИ ДРУГИЕ ОТВЕРСТИЯ В ОБОРУДОВАНИИ.

Не подвергайте устройство воздействию жидкостей. Не следует также ставить на него предметы, наполненные жидкостью, например вазы.

ВНИМАНИЕ

	ВНИМАНИЕ ОПАСНОСТЬ ПОРАЖЕНИЯ ЭЛЕКТРИЧЕСКИМ ТОКОМ. НЕ ОТКРЫВАТЬ	
ВНИМАНИЕ : ВО ИЗБЕЖАНИЕ ПОРАЖЕНИЯ ЭЛЕКТРИЧЕСКИМ ТОКОМ, НЕ СНИМАЙТЕ ЗАДНЮЮ КРЫШКУ. ВНУТРИ НЕТ ДЕТАЛЕЙ, ОБСЛУЖИВАЕМЫХ ПОЛЬЗОВАТЕЛЕМ. ДЛЯ ТЕХНИЧЕСКОГО ОБСЛУЖИВАНИЯ ОБРАЩАЙТЕСЬ К КВАЛИФИЦИРОВАННОМУ СПЕЦИАЛИСТУ.		

ОПИСАНИЕ ГРАФИЧЕСКИХ ОБОЗНАЧЕНИЙ



Молния со стрелкой в равностороннем треугольнике предупреждает пользователя об “опасном напряжении” в корпусе изделия, которое может представлять риск поражения электрическим током.



Восклицательный знак в равностороннем треугольнике предупреждает пользователя о важных инструкциях по работе и обслуживанию в руководстве, которое прилагается к устройству.

Класс Конструкции I

Устройства КЛАССА I следует подключать к ЭЛЕКТРОрозетке с защитным заземлением.

Батарея

Не подвергайте батареи (батарейный блок) чрезмерному нагреванию под воздействием солнечных лучей, огня и т.п.

ВНИМАНИЕ

Существует риск взрыва при замене батареи на батарею несоответствующего типа.

Утилизируйте использованные батареи в соответствии с инструкциями.

Настоящие инструкции по обслуживанию предназначены только для квалифицированных специалистов.

Во избежание поражения электрическим током не следует выполнять работы по обслуживанию, описанные в инструкциях по эксплуатации, если вы не обладаете соответствующей квалификацией.

К источнику входного питания может подсоединяться только одна камера.

Оборудование ITE подключается только к сети питания по Ethernet без маршрутизации на оборудование наружной установки.

обзор

Внимательно прочитайте приведенные ниже правила техники безопасности.

- Не ставьте устройство на неровную поверхность.
- Не устанавливайте устройство на поверхность, подверженную прямым солнечным лучам, рядом с нагревательным оборудованием или в очень холодном месте.
- Не устанавливайте это устройство вблизи электропроводящего материала.
- Не следует ремонтировать устройство самостоятельно.
- Не следует ставить на устройство стаканы с водой.
- Не устанавливайте поблизости источники магнитного поля.
- Не допускайте заграждения вентиляционных отверстий.
- Не ставьте тяжелые предметы на устройство.

Руководство пользователя содержит инструкции по использованию продуктов

В руководстве используются следующие обозначения.

- Справка : сведения по использованию устройства
- Примечание : На случай возможных повреждений имущества или вреда здоровью людей в результате несоблюдения инструкций
- ✳ Прочтите это руководство по безопасности перед использованием устройств и сохраните его в безопасном месте.

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- **Поддержка многоформатного декодирования**

В данном сетевом видеодекодере для декодирования и отображения до 4 видеопотоков, переданных по сети, используется многоформатный декодер H.264/MPEG-4/MJPEG.

- **Поддержка отображения видео Full-HD**

Максимально возможное выходное разрешение 1920x1080, вывод на выходные порты HDMI, VGA и CVBS (BNC) для дисплея.

- **Мониторинг тревожных сигналов**

При возникновении какого-либо события на одной из сетевых камер или на устройстве кодирования экран монитора переключается на соответствующее видео в соответствии с заданными настройками.

РЕКОМЕНДУЕМЫЕ ТЕХНИЧЕСКИЕ ХАРАКТЕРИСТИКИ КОМПЬЮТЕРА

- ЦП: Процессор Intel(R) Core(TM)2 2,00 ГГц или более мощный
- Операционная система: Windows XP, VISTA, 7
Mac OS
- Разрешение: 1280X1024 пикс. или выше
- ОЗУ: 1 Гб или более
- Веб-обозреватель: Internet Explorer 7.0 или 8.0, Firefox, Chrome, Safari
- Видеопамять: 128 Мб или более

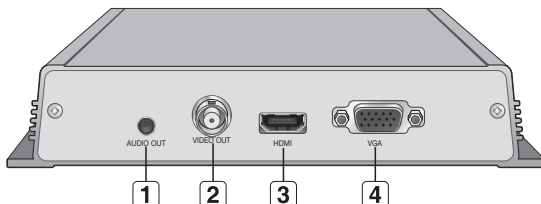
КОМПЛЕКТ ПОСТАВКИ

Проверьте наличие в комплекте поставки сетевого видеodeкодера всех принадлежностей.

Внешний вид	Название элемента	Количество	Описание
	SPD-400	1	
	Руководство пользователя, установочный компакт-диск	1	Руководство пользователя, программа ПО IP Installer
	Краткое руководство	1	
	Самонарезающие сборочные винты	4	Для установки на стене

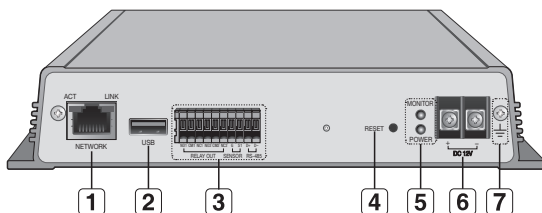
ОБЩИЙ ОБЗОР

Лицевая сторона



Элемент	Описание
1 AUDIO OUT	Данный порт выводит звук с устройства, подключенного через сеть, в соответствии с заданными настройками.
2 VIDEO (CVBS) OUT	Выходной порт BNC для дисплея. Данный порт выводит видео, если выбран режим CVBS.
3 HDMI	Выходной порт HDMI для дисплея. Данный порт выводит видео, если выбран режим HDMI или VGA.
4 VGA	Выходной порт VGA для дисплея. Данный порт выводит видео, если выбран режим HDMI или VGA.

Задняя сторона

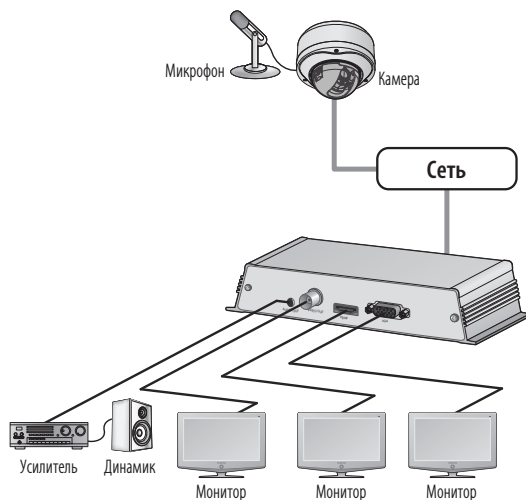


Элемент	Описание	
1 NETWORK	Используется для подключения кабеля Ethernet.	
2 USB	Эта функция сейчас недоступна.	
3 Порт ввода-вывода	RS-485 D+/D-	Эта функция сейчас недоступна.
	NO1/NO2	Выход сигнала тревоги (нормально разомкнутый)
	CM1/CM2	Выход сигнала тревоги (обычный)
	NC1/NC2	Выход сигнала тревоги (нормально замкнутый)
	S1	Порт датчика входного сигнала тревоги.
	G	Порт заземления для внешнего сигнала.
4 RESET	С помощью данной кнопки инициализируются настройки сетевого видеodeкодера или выбирается выход монитора. Нажмите и удерживайте ее не менее 5 секунд, затем индикатор состояния системы отключится, настройки будут инициализированы и произойдет перезапуск. Нажмите кнопку и удерживайте ее около 1 секунды, и вслед за изменением режима видеовыхода изменится цвет ИНДИКАТОРА МОНИТОРА.	

Элемент	Описание	
5 ИНДИКАТОР питания, монитора	MONITOR	Индикация режим видеовыхода: зеленый - режим вывода HDMI или VGA; желтый - режим вывода CVBS. ■ Чтобы изменить режим видеовыхода, измените его в настройках видео интерактивной программы просмотра Web Viewer или нажмите кнопку [RESET] и удерживайте ее в течение 1 секунды.
	POWER	ГОРИТ: питание включено. НЕ ГОРИТ: питание выключено.
6 Порт питания	Используется для подключения указанного источника питания.	
7 GND	Используется для заземления.	

установка и подключение

ПОДКЛЮЧЕНИЕ К ДРУГОМУ УСТРОЙСТВУ



Подключение видеовыхода

Подключите монитор к предпочтительному видеовыходу сетевого видеodeкодера.

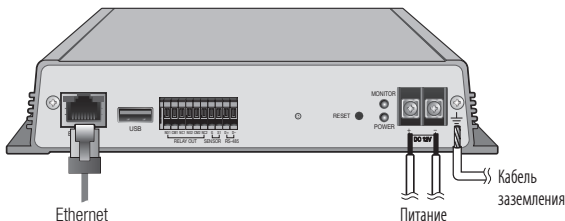


- Воспроизведение видео осуществляется через этот порт в соответствии с установленными настройками параметра **"Монитор > Настр. отобр."** интерактивной программы просмотра Web Viewer (стр. 37).
- В режиме вывода HDMI или VGA видео на дисплее может отображаться неправильно, если монитор не поддерживает установленное разрешение.
- Чтобы изменить режим видеовыхода, нажмите и удерживайте в течение 1 секунды кнопку **[RESET]**.
- Цвет ИНДИКАТОРА МОНИТОРА соответственно изменится.

Подключение аудиовхода/аудиовыхода

1. Подключите микрофон к сетевой камере или устройству кодирования и задайте для параметра аудио соответствующего устройства значение «Вкл.»
2. Задайте для сетевой НАСТРОЙКИ АУДИО значение «Вкл.» в настройках одинарной схемы видеodeкодера и выберите в качестве выхода для него линейный выход или выход HDMI в настройках аудио. Обратите внимание, что выбрать выход HDMI OUT в качестве аудиовыхода можно, только когда для выхода монитора задано значение HDMI.
3. При использовании линейного выхода подсоедините разъем ЛИНЕЙНОГО ВХОДА динамика к разъему AUDIO OUT сетевого видеodeкодера.
4. Для вывода сигнала HDMI подсоедините монитор HDMI к порту HDMI.
 - Для вывода аудиосигнала HDMI необходим монитор со встроенным динамиком.

 ■ Существует вероятность того, что звук HDMI не будет работать на некоторых мониторах.



Подключение к сети Ethernet

Подключите кабель Ethernet к локальной сети или к Интернету.

установка и подключение

Источник питания

С помощью отвертки подключите каждый провод кабеля питания (+, -) к соответствующему порту сетевой видеodeкодер.



- Подключая кабель питания, будьте очень внимательны, чтобы не перепутать полярность.
- Если необходимо подключить внешнее устройство, перед началом работы его необходимо выключить.

Сопротивление медного провода при [20°C (68°F)]

Сортамент медного провода (AWG)	№24 (0,22кв.мм)	№22 (0,33кв. мм)	№20 (0,52кв.мм)	№18 (0,83кв.мм)
Сопротивление (Ω/м)	0,078	0,050	0,030	0,018
Падение напряжения (В/м)	0,028	0,018	0,011	0,006
Рекомендуемое расстояние (м)	Менее 20	Менее 30	Менее 30	Менее 30

- Согласно вышеприведенной таблице, величина снижения напряжения зависит от длины провода. Поэтому использование слишком длинного провода для подключения сетевой видеodeкодер может отрицательно повлиять на его работу.
 - Рабочее напряжение сетевой видеodeкодер: 12 В пост. тока $\pm 10\%$
 - Реальные значения падения напряжения могут отличаться от представленных в таблице и зависят от типа медного кабеля и его производителя.

Заземление устройства

С помощью отвертки присоедините кабель заземления к винту, расположенному рядом с разъемом питания.



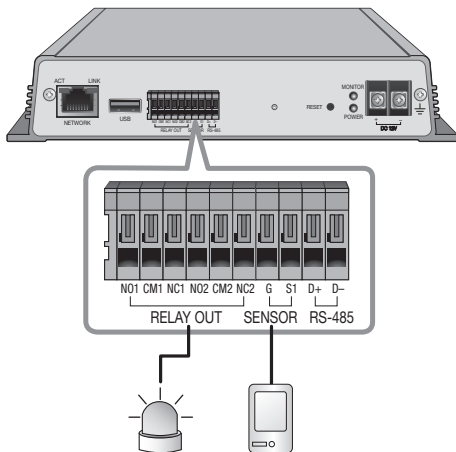
- Заземление обеспечивает защиту устройства от перенапряжения и молний.
- Перед заземлением обязательно отключите питание устройства.

Рекомендуемый кабель заземления

- Длина: менее 3 м.
- Сортамент: 18 AWG или больше
Ex) UL1007 AWG 18/16, UL1015 AWG18/16/14/12, UL2468 AWG18/16/14

Подключение к блоку портов ввода-вывода

Подключите сигнальный кабель ввода-вывода тревог к соответствующему порту блока, расположенного сзади.



Подсоединение к входу тревоги

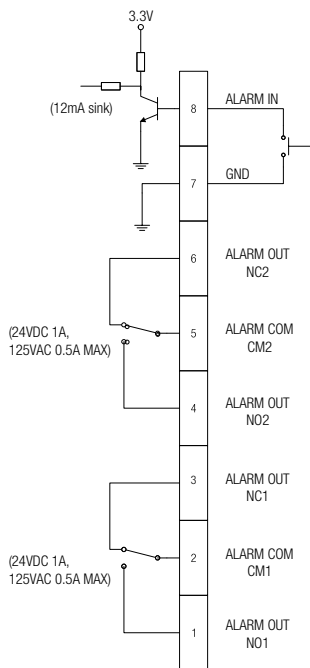
Подсоедините один сигнальный кабель (всего 2) соответствующего датчика к порту [S1], а другой – к порту [G].

Подсоединение вывода тревоги

Подсоедините один сигнальный кабель (всего 2) внешнего устройства к порту [RELAY OUT(NC, NO)], а другой – к порту [CM].

установка и подключение

Монтажная схема сигнальных кабелей ввода-вывода тревог



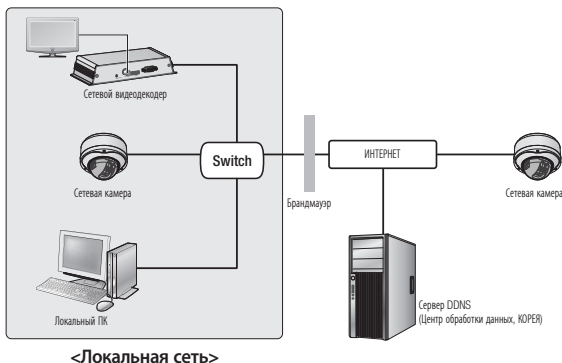
сетевое соединение и настройка

Следующие параметры сети сетевого видеodeкодера можно настроить по собственному усмотрению.

НАСТРОЙКА СЕТЕВОГО ВИДЕОДЕКОДЕРА В ЛОКАЛЬНЫХ СЕТЯХ

Доступ к сетевому видеodeкодеру с компьютера, находящегося в той же локальной сети

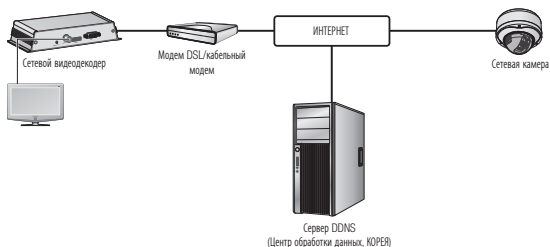
1. Запустите на локальном компьютере веб-обозреватель.
2. Введите в его адресное поле IP-адрес сетевого видеodeкодера.



- Если включен брандмауэр, то подключить удаленный ПК, не входящий в локальную сеть, к сетевому видеodeкодеру, установленному во внутренней сети, через внешний Интернет, возможно, не удастся. В этом случае обратитесь к сетевому администратору для решения проблемы.
- По умолчанию устанавливается IP-адрес 192.168.1.200.
Чтобы изменить IP-адрес, используйте программу IP Installer.
Для получения дополнительных сведений о программе IP Installer см. раздел **“Настройка статического IP-адреса”** (стр. 23).

сетевое соединение и настройка

ПРЯМОЕ ПОДКЛЮЧЕНИЕ СЕТЕВОГО ВИДЕОДЕКОДЕРА К МОДЕМУ DSL/КАБЕЛЬНОМУ МОДЕМУ С ПОДДЕРЖКОЙ ПРОТОКОЛА DHCP



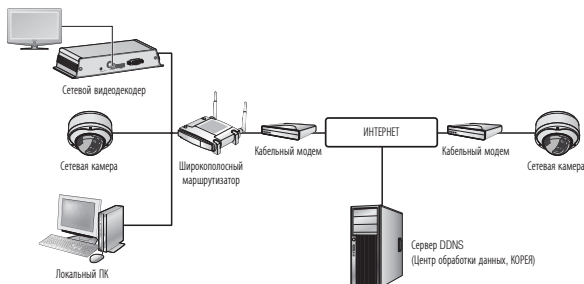
1. Используя переходной кабель, подключите компьютер к сетевому видеodecoderу.
2. Запустите программу IP Installer и измените IP-адрес сетевого видеodecodера, чтобы использовать веб-обозреватель на рабочем столе для подключения к Интернету.
3. Подключитесь к сетевому видеodecoderу с помощью веб-обозревателя.
4. Перейдите на страницу [**Настройка**].
5. Перейдите на страницу [**Сеть**] - [**Интерфейс**] и установите для параметра Тип IP значение [**DHCP**].
6. Подсоедините сетевой видеodecoder, отключенный от ПК, непосредственно к модему.
7. Перезапустите сетевой видеodecoder.



- Сведения о настройке типа IP см. в разделе "**Интерфейс**" (стр. 39).

ПОДКЛЮЧЕНИЕ СЕТЕВОГО ВИДЕОДЕКОДЕРА К ШИРОКОПОЛОСНОМУ МАРШРУТИЗАТОРУ, ПОДКЛЮЧЕННОМУ К КАБЕЛЬНОМУ МОДЕМУ

Это предусмотрено для небольших сетей, например для дома, небольшого/домашнего офиса и обычного магазина.



Настройка сетевых параметров локального ПК, подключенного к широкополосному маршрутизатору

Далее приведены инструкции по настройке сетевых параметров локального ПК, подключенного к широкополосному маршрутизатору.

- Выберите <Network Neighborhood> → <Properties> → <Local Area Connection> → <Properties> → <General> → <Internet Protocol (TCP/IP)> → <Properties> → <Obtain an IP address automatically> или <Use the following IP address>.
- Выбрав элемент <Use the following IP address>, руководствуйтесь приведенными далее инструкциями.

Пример 1) если для широкополосного маршрутизатора используется адрес (IP-адрес локальной сети) 192.168.1.1, то
IP-адрес: 192.168.1.200
Маска подсети: 255.255.255.0
Шлюз по умолчанию: 192.168.1.1

Пример 2) если для широкополосного маршрутизатора используется адрес (IP-адрес локальной сети) 192.168.0.1, то
IP-адрес: 192.168.0.200
Маска подсети: 255.255.255.0
Шлюз по умолчанию: 192.168.0.1

Пример 3) если для широкополосного маршрутизатора используется адрес (IP-адрес локальной сети) 192.168.xxx.1, то
IP-адрес: 192.168.xxx.200
Маска подсети: 255.255.255.0
Шлюз по умолчанию: 192.168.xxx.1



■ Для получения информации об адресе широкополосного маршрутизатора см. документацию к устройству.

Элемент	Описание
7 URL	Отображение URL-адреса.
8 IPv4	Поиск сетевого устройства с настройкой IPv4.
9 IPv6	Поиск сетевого устройства с настройкой IPv6. Активируется в среде, где имеется поддержка IPv6.
10 Search	Поиск сетевых устройств, подключенных в данный момент к сети. Эта кнопка будет неактивной, если ни IPv4, ни IPv6 не выбраны.
11 Auto Set	Программа IP Installer автоматически настраивает параметры сети.
12 Manual Set	Настройка сети вручную.
13 Exit	Выход из программы IP Installer.



- Используйте только версию программы IP installer, имеющуюся на установочном компакт-диске.

НАСТРОЙКА СТАТИЧЕСКОГО IP-АДРЕСА

Настройка сети вручную

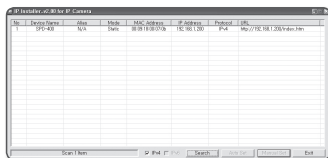
Запустите файл <IP Installer_vX.XX.exe>, чтобы получить доступ к списку поиска сетевого устройства.

Кнопки [Auto Set] и [Manual Set] будут неактивны при первом запуске программы.



- Для обнаруженных сетевых устройств с настройкой IPv6 эти кнопки также будут неактивны, так как эти сетевые устройства не поддерживают данную функцию.

- Выберите сетевое устройство в списке результатов поиска.
Найдите MAC-адрес (Ethernet), напечатанный на этикетке на задней стороне сетевого устройства.
Кнопки [Auto Set] и [Manual Set] станут активными.



- Щелкните [Manual Set].

Появится диалоговое окно настройки вручную.

Отобразятся значения параметров <IP Address>, <Subnet Mask>, <Gateway>, <HTTP Port> и <VNP Port> сетевого устройства по умолчанию.

сетевое соединение и настройка

3. В разделе <Address> укажите необходимую информацию.

- MAC (Ethernet) Address: MAC-адрес (Ethernet) подходящего сетевого устройства будет установлен автоматически, поэтому его не потребуется вводить вручную.

The 'Manual Setting' dialog box has two main sections. The left section is titled 'Address' and contains fields for 'MAC Address' (00:08:18:00:07:0b), 'IP Address' (192 . 168 . 1 . 200), 'Subnet Mask' (255 . 255 . 255 . 0), and 'Gateway' (192 . 168 . 1 . 1). There is also a 'Password' field. The right section is titled 'Port' and contains fields for 'HTTP Port' (80) and 'VNP Port' (1234). At the bottom are 'OK' and 'Cancel' buttons.



- Настройки статического IP-адреса можно выполнить только в том случае, если снят флажок DHCP.

Если широкополосный маршрутизатор используется

- IP Address: введите адрес, который соответствует IP-диапазону, заданному широкополосным маршрутизатором.

Например: 192.168.1.2~254,
192.168.0.2~254,
192.168.XXX.2~254

- Subnet Mask: параметр <Subnet Mask> широкополосного маршрутизатора соответствует параметру <Subnet Mask> сетевого видеodeкодера.
- Gateway: параметр <Local IP Address> широкополосного маршрутизатора соответствует параметру <Gateway> сетевого видеodeкодера.

The screenshot shows the 'Setup' menu with tabs for 'Setup', 'Wireless', 'Security', 'Access Restrictions', and 'Applications & Gaming'. The 'Internet Setup' tab is active, showing 'Automatic Configuration - DHCP' selected. Below are fields for 'Router Name' (Router_1), 'Host Name', 'Domain Name', 'MTU' (1400), and 'Size'. The 'Network Setup' tab is also visible, showing 'Router IP' with fields for 'Local IP Address' (192 . 168 . 1 . 1) and 'Subnet Mask' (255 . 255 . 255 . 0).



- Настройки могут различаться в зависимости от подключенной модели широкополосного маршрутизатора. Для получения дополнительной информации см. руководство пользователя соответствующего маршрутизатора.

Если широкополосный маршрутизатор не используется

Узнайте значения параметров <IP Address>, <Subnet Mask> и <Gateway> у своего сетевого администратора.

4. В разделе <PORT> укажите необходимую информацию.

- HTTP Port: используется для получения доступа к сетевому устройству через веб-обозреватель. Значение по умолчанию – 80. Используйте кнопку прокрутки для выбора нужного значения порта HTTP.
- VNP Port: используется для управления передачей видео с сетевой камеры или сетевого устройства кодирования. Порт VNP сетевого видеodeкодера настройки не требует. Значение по умолчанию – 1234, изменять которое не следует.

The 'Manual Setting' dialog box is identical to the one in block 3, showing fields for MAC Address, IP Address, Subnet Mask, Gateway, Password, HTTP Port (80), and VNP Port (1234).

5. Введите пароль.

Это пароль для входа в систему для пользователя с правами "admin", имеющего доступ к сетевому устройству.

Пароль по умолчанию – "4321".



- Используемый по умолчанию пароль может быть доступен для злоумышленников, поэтому после установки продукта рекомендуется изменить пароль.
Следует иметь в виду, что ответственность за проблемы безопасности и другие подобные проблемы, возникшие вследствие отказа изменить пароль, лежит на пользователе.

6. Щелкните [OK].

Ручная настройка сети завершена.

Если сетевой видеodeкодер подключен к широкополосного маршрутизатору

Настройте параметры, связанные с IP-адресом и портами, в соответствии друг с другом.

Категория		Декодер №1	Декодер №2
Настройки, связанные с IP	IP Address	192.168.1.200	192.168.1.201
	Subnet Mask	255.255.255.0	255.255.255.0
	Gateway	192.168.1.1	192.168.1.1
Настройки, связанные с портами	HTTP Port	8080	8081



- Если для параметра <HTTP Port> выбрано значение, отличное от 80, необходимо указать номер <Port> в адресной строке веб-обозревателя, прежде чем получить доступ к сетевому видеodeкодеру.
Пример) http://IP-адрес: Порт HTTP
http://192.168.1.200:8080

сетевое соединение и настройка

Автоматическая настройка сети

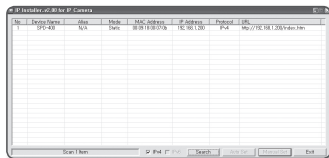
Запустите <IP Installer_vX.XX.exe>, чтобы получить доступ к списку поиска сетевого устройства.

Кнопки [Auto Set] и [Manual Set] будут неактивны при первом запуске программы.



- Для обнаруженных сетевых устройств с настройкой IPv6 эти кнопки также будут неактивны, так как эти камеры не поддерживают данную функцию.

1. Выберите сетевое устройство в списке результатов поиска.
Найдите MAC-адрес (Ethernet), напечатанный на этикетке на задней стороне сетевого устройства.
Кнопки [Auto Set] и [Manual Set] станут активными.

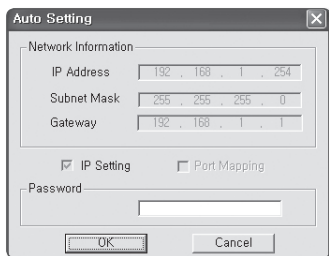


2. Щелкните [Auto Set].
Появится диалоговое окно Авто настройка.
Значения параметров <IP Address>, <Subnet Mask> и <Gateway> будут установлены автоматически.

3. Введите пароль.
Это пароль для входа в систему для пользователя с правами "admin", имеющего доступ к сетевому видеodeкодеру.
Пароль по умолчанию – "4321".

- Используемый по умолчанию пароль может быть доступен для злоумышленников, поэтому после установки продукта рекомендуется изменить пароль.
Следует иметь в виду, что ответственность за проблемы безопасности и другие подобные проблемы, возникшие вследствие отказа изменить пароль, лежит на пользователе.

4. Щелкните [OK].
Авто настройка сети завершена.



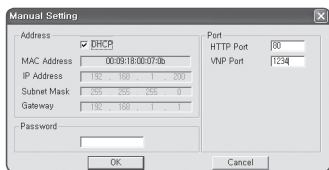
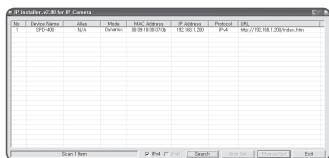
НАСТРОЙКА ДИНАМИЧЕСКОГО IP-АДРЕСА

Настройка динамического IP-окружения

- Примеры динамического IP-окружения
 - Широкополосный маршрутизатор с подключенным сетевым устройством, которому сервером DHCP назначен IP-адрес
 - Прямое подключение сетевого устройства к модему с поддержкой DHCP
 - IP-адреса назначаются внутренним сервером DHCP через локальную сеть

Просмотр динамического IP-адреса

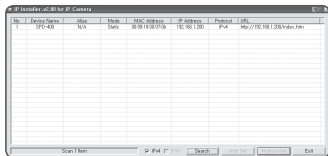
1. На локальном компьютере запустите программу **<IP Installer>**, чтобы просмотреть список сетевых устройств, которым назначен **<Dynamic IP>**.
2. Выберите сетевое устройство из списка и нажмите кнопку **[Manual Set]**, чтобы просмотреть **<Dynamic IP>** сетевого устройства. Если снять флажок **<DHCP>**, то значение параметра IP можно изменить на **<Static>**.



сетевое соединение и настройка

ПОДКЛЮЧЕНИЕ К СЕТЕВОМУ УСТРОЙСТВУ С ЛОКАЛЬНОГО ПК ОБЩЕГО ДОСТУПА

1. Запустите программу IP Installer.
Выполняется поиск подключенных сетевых устройств и отображение списка найденных устройств.
2. Дважды щелкните сетевое устройство, к которому необходимо подключиться.
Запускается веб-обозреватель и выполняется подключение к выбранному сетевому устройству.

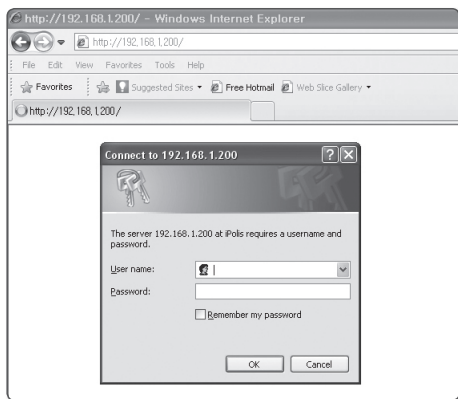


- Получить доступ к найденной камере можно и другим способом: просто введите IP-адрес сетевого устройства в адресную строку веб-обозревателя.

интерактивная программа просмотра

ДОСТУП К СЕТЕВОМУ ВИДЕОДЕКОДЕРУ

Обычный порядок действий



1. Запустите веб-обозреватель.
2. Введите IP-адрес сетевого видеodeкодера в адресную строку.
Пример) • IP-адрес (IPv4): 192.168.1.200
→ http://192.168.1.200 - появится диалоговое окно входа.
• IP-адрес (IPv6): 2001:0230:abcd:ffff:0000:0000:ffff:1111
→ http://[2001:230:abcd:ffff::ffff:1111] - появится диалоговое окно входа.

Номер порта HTTP отличен от 80

1. Запустите веб-обозреватель.
2. Введите в адресную строку IP-адрес сетевого видеodeкодера и номер порта HTTP.
Пример) IP-адрес: 192.168.1.200:номер порта HTTP(8080)
→ http://192.168.1.200:8080 - появится диалоговое окно входа.

интерактивная программа просмотра

ВХОД

Идентификатор пользователя по умолчанию: **"admin"**, а пароль по умолчанию: **"4321"**.

1. Введите **"admin"** в поле ввода **<User Name>**.
2. Введите **"4321"** в поле ввода **<Password>**.
Если выбран другой пароль, введите его.
3. Нажмите **[OK]**.
По осуществлении входа отобразится экран настройки сетевого видеodeкодера.

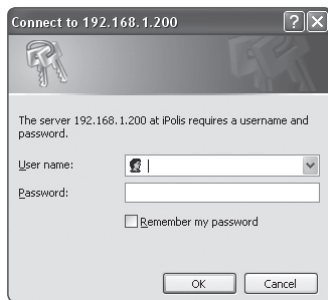


- В целях безопасности следует изменить пароль в меню **<Система>** - **<Пользователь>**.
Идентификатор администратора **"admin"** постоянный и не подлежит изменению.

- Используемый по умолчанию пароль может быть доступен для злоумышленников, поэтому после установки продукта рекомендуется изменить пароль.
Следует иметь в виду, что ответственность за проблемы безопасности и другие подобные проблемы, возникшие вследствие отказа изменить пароль, лежит на пользователе.
- Если при вводе данных установить флажок **"Remember my password"**, то в будущем вход в систему будет выполняться автоматически без запроса данных.



- Лучшее качество видео обеспечивается при размере экрана 100%. При уменьшении экрана изображение может быть обрезано по краям.



экран настройки

НАСТРОЙКА

Настройки аудио и видео, сети, событий, а также системные настройки сетевого видеodeкодера можно задать удаленно через сеть.

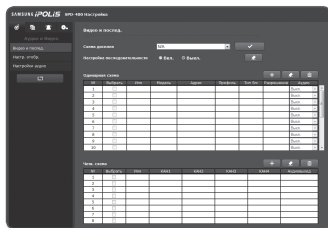


- В зависимости от версии микропрограммы сетевой камеры/устройства кодирования во время регистрации устройств на сетевом видеodeкодере может произойти ошибка или сбой. Для загрузки последней версии микропрограммы и ее обновления посетите веб-сайт www.samsungtechwin.com.

НАСТРОЙКА ПАРАМЕТРОВ АУДИО И ВИДЕО

Видео и последовательность

1. В меню настройки выберите вкладку **<Аудио и Видео (AV)>**.
2. Выберите **<Видео и послед.>**.
3. Нажмите в поле ввода каждого элемента и введите или выберите нужное значение.
 - Схема дисплея: выберите необходимую схему для экрана мониторинга из одинарной или четв. схемы.
 - Настройка последовательности: выберите использование автоматической последовательности при мониторинге, затем выберите схему и время задержки для последующей схемы.
 - На дисплее автоматически переключаются назначенные схемы в соответствии с заданным в настройках временем задержки. Выбрать и включить в последовательность можно до 10 одинарных и четв. схем.
 - Одинарная схема: можно добавить сетевую камеру/устройство кодирования, работающие в сети, или редактировать/удалять зарегистрированные одинарные схемы.
 - Это основная единица схемы отображения для сетевой камеры/устройства кодирования, подключенных к сетевому видеodeкодеру.
После добавления одинарной схемы сетевой камеры/устройства кодирования выберите название камеры добавленной одинарной схемы, чтобы отобразить видео сетевой камеры/устройства кодирования на экране мониторинга.
Можно добавить до 64 сетевых камер или устройств кодирования.
 - Четв. схема: эту схему, разделенную на 4 части, можно редактировать с помощью добавления выбранных одинарных схем или удалить.
 - Составьте четв. схему, выбрав одинарные схемы сетевой камеры/устройства кодирования для отображения на экране мониторинга, разделенном на 4 части.
Назначьте добавленные одинарные схемы сетевых камер/устройств кодирования для одной из четв. схем и выберите созданную четв. схему для отображения на разделенном на 4 части экране монитора. Можно добавить до 8 четв. схем.



экран настройки

Добавление одинарной схемы

1. Нажмите кнопку **[Доб. видео (+)]**.
2. Введите информацию сетевой камеры/устройства кодирования.
3. Введите IP-адрес или DDNS URL добавляемого устройства в поле **<Адрес>**.
 - Можно ввести до 64 букв. В списке схем отображается до 9 букв, а для остальных отображаются символы **<...>**.
4. Введите код и пароль для устройства, которое необходимо добавить.
5. Нажмите кнопку **[Импорт свойств (G)]** для получения информации об устройстве, которое необходимо подключить.
 - Невозможно добавить камеру, если отсутствует профиль.

Доб. видео

Протокол: ☐ Samsung ☒ AXIS

Адрес:

Порт VNP:

Порт HTTP:

ID:

Пароль:

№ модели:

Имя камеры:

Профиль:

Тип Src:

Разрешение:

6. Введите <Имя камеры> после того, как появится полученная информация.

- В имени камеры не должно быть пробелов.
- Можно ввести до 15 букв. В списке схем отображается до 7 букв, а для остальных отображаются символы <...>.

7. Выберите профиль.



- Если свойства профиля камеры изменены после выбора профиля, видео может не отображаться. В этом случае на мониторе появится сообщение "Not Decodable".

8. Нажмите кнопку [Добавить (+)].



- Можно добавить до 64 схем.
- Нажмите кнопку [Настройка камеры ()], чтобы отобразить браузер для получения доступа к веб-странице добавленной камеры.

Доб. видео

Протокол

☐ Samsung
☒ AXIS

Адрес

192.168.1.201

Порт VNP

4520

Порт HTTP

80

ID

admin

Пароль

....

↺

№ модели

SNB-7000

Имя камеры

Gate1

Профиль

Profile1

Тип Src

MJPEG

Разрешение

320x240

Допустимое разрешение для одинарной схемы

КОДЕК	H.264	MPEG-4	MJPEG
Одинарная схема	1920x1080p – 320x240	4CIF – 320x240	1280x720p – 320x240 (за исключением 800x600)

экран настройки

Редактирование существующей схемы

1. Установите флажок, чтобы выбрать добавленное устройство.
2. Отредактируйте существующую информацию.
 - Обратите внимание, что поля **<Протокол>** и **<Адрес>** не редактируются.
3. Щелкните [**Сохранить** ()].
4. Для отмены нажмите кнопку [**Отмена** ()].

Удаление существующей схемы

1. Установите флажок, чтобы выбрать добавленное устройство.
2. Нажмите кнопку [**Удалить** ()] в верхней части списка схем.
3. Когда отобразится запрос на подтверждение, щелкните [**OK**].



- Схему, используемую параметром **<Четв. схема>** или **<Настройка последовательности>** или отображающуюся на экране мониторинга, изменить или удалить невозможно. При попытке этого отобразится запрос на подтверждение.

Доб. видео

Протокол: ☒ Samsung ☐ AXIS

Адрес: 192.168.1.201

Порт VNP: 4520

Порт HTTP: 80

ID: admin

Пароль: 

№ модели: SNB-7000

Имя камеры: Gate1

Профиль: Profile1

Тип Src: MJPEG

Разрешение: 320x240

Настройка аудио для добавленной одинарной схемы

1. В списке добавленных одинарных схем установите для аудио значение **<Вкл.>** или **<Выкл.>** по своему усмотрению.
 - Для устройства, настроенного для вывода аудио, переключение с **<Выкл.>** на **<Вкл.>** в режиме четв. схемы невозможно. При попытке этого отобразится запрос на подтверждение.
 - Аудио можно выбрать, только когда в настройках одинарной схемы устройства для аудиовыхода задано значение **<Вкл.>**.

Одноразовая схема

№	Вкл./Выкл.	Имя	Модель	Адрес	Профиль	Тип Src	Разрешение	Аудио
1	☐	Gate1	SNB-7000	192.168.1.201	Profile1	MJPEG	320x240	Вкл.
2	☐							Вкл.
3	☐							Вкл.
4	☐							Вкл.
5	☐							Вкл.
6	☐							Вкл.
7	☐							Вкл.
8	☐							Вкл.
9	☐							Вкл.
10	☐							Вкл.

Добавление четв. схемы

1. Нажмите кнопку [Доб. четв. схему ()].
2. Из добавленных одинарных схем выберите устройства для назначения для каждого канала.
3. Введите <Имя схемы>.
 - Можно ввести до 15 букв. В списке схем отображается до 7 букв, а для остальных отображаются символы <...>.
4. Выберите канал аудиовыхода четв. схемы из назначенных 4 каналов. Устройство можно выбрать, если в его одинарной схеме для аудио задано значение <Вкл.>
5. Нажмите кнопку [Добавить ()].



- Можно добавить до 8 четв. схем. Обратите внимание, что одинарную схему нельзя назначить для одной четв. схемы несколько раз. Однако одну и ту же одинарную схему можно назначить для нескольких разных четв. схем.



Допустимое разрешение для четв. схем

Некоторые разрешения могут не поддерживаться четв. схемами сетевого видеodeкодера, что зависит от используемого кодека. При выборе неподдерживаемого разрешения отобразится сообщение об ошибке. Прежде чем добавить разрешение, см. приведенный ниже список допустимых разрешений.

КОДЕК	H.264	MPEG-4	MJPEG
Четв. схема	1280x720p – 320x240 (за исключением 800x600)	4CIF – 320x240	1280x720p – 320x240 (за исключением 800x600)

экран настройки



- Если разрешение всех 4 видеоканалов будет одинаковым, то при отображении в четырехэкранном режиме с разрешением менее 960х540 каждое видео будет отображаться по центру своей части экрана. В таком случае разрешения видео 320х240 и 352х240 будут увеличены до 640х480 и 704х480 соответственно.



- В режиме четырех экранов воспроизведение видео может прерываться, если общий поток данных от 4 камер превышает 40 Мбит/с.



<разрешение изображения во 2-м сегменте разделенного видео меньше, чем 960х540>

Редактирование четв. схемы

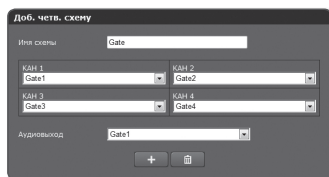
1. Установите в списке флажок для нужной схемы.
2. Внесите необходимые изменения в назначенный канал или отредактируйте имя схемы.
3. Щелкните [Сохранить ()].
4. Для отмены нажмите кнопку [Отмена ()].

Удаление четв. схемы

1. Установите в списке флажок для нужной схемы.
2. Нажмите кнопку [Удалить ()].
3. Когда отобразится запрос на подтверждение, щелкните [ОК].

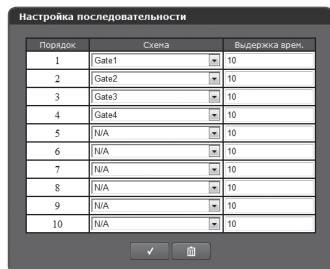


- ЧЕТВ. схему, которая включена в <Настройка последовательности> или отображается на экране мониторинга нельзя изменить или удалить. При попытке этого отобразится запрос на подтверждение.



Настройка последовательности

1. Нажмите кнопку [Настройка последовательности ()].
2. Выберите схемы в требуемом порядке для отображения последовательности.
3. Введите интервал перехода схемы.
4. По завершении щелкните [Применить ()].
5. Задайте для параметра “Настройка последовательности” значение <Вкл.>.



Выбранные схемы отобразятся в указанном порядке с указанным интервалом.

Выбор схемы для отображения на мониторе

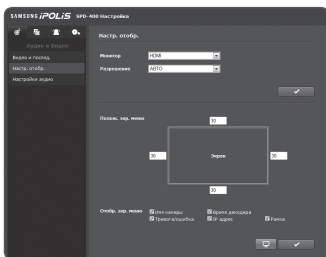
Можно настроить схему для отображения на подключенном мониторе.

1. Щелкните список “Схема дисплея”, чтобы отобразить доступные схемы. Выберите схему для отображения на экране.
2. По завершении щелкните [Применить ()].
 - Если для настройки последовательности установлено значение <Вкл.>, окно списка <Схема дисплея> будет отключено.



Настройка отображения

1. В меню настройки выберите вкладку <Аудио и Видео ()>.
2. Выберите <Настр. отобра.>.
3. Нажмите в поле ввода каждого элемента и введите или выберите нужное значение.
 - Монитор: выберите тип конечного монитора для дисплея отображения видео.
 - Разрешение: выберите разрешение монитора.
 - При выборе <CVBS> меню изменится на <Тип CVBS>.



экран настройки

- Полож. экр. меню: выберите положение отображения экранного меню. Если изменить номер положения экранного меню, он будет перемещен для настройки номера на основе всего экрана.

- Отобр. экр. меню: выберите тип экранного меню для отображения на мониторе.

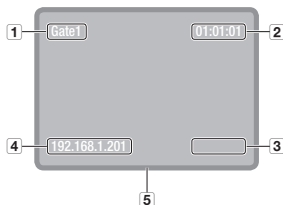
❶ Имя камеры: отображает имя камеры, используемой при регистрации схемы.

❷ Время декодера: отображение установленного времени на декодере.

❸ Тревога/ошибка: отображение тревоги/ошибки на мониторе при возникновении соответствующего события.

❹ IP адрес: отображение IP-адреса камеры.

❺ Рамка: разделяет экран камеры с линиями рамки.



- Просмотр (): Просмотры изменяют настройки, связанные с экранным меню и применяются при подтверждении. При применении настроек экранного меню изменения не влияют на настройки монитора.

4. По завершении щелкните [**Применить** ()].

Настройки аудио

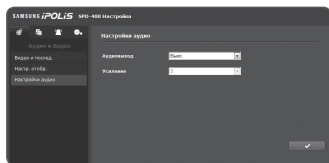
Можно настроить параметры аудиовхода/аудиовыхода устройств, подключенных к сетевому видеodeкодеру.

1. В меню настройки выберите вкладку <**Аудио и Видео** ()>.

2. Выберите <**Настройки аудио**>.

3. Настройте по своему усмотрению уровни ввода-вывода звука.

- Аудиовыход: задайте или отмените использование аудио и способ его вывода.
- Усиление: включено только в том случае, если выбрать <**Лин. выход**> и задать необходимое значение.



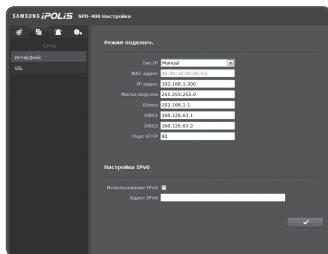
- Аудио воспроизводится, если подключенное устройство поддерживает входной аудиосигнал и задает значение Вкл.
- Чтобы выбрать аудиовыход HDMI, для параметров монитора настроек отображения необходимо задать значение HDMI.
- Если уровень входного сигнала очень высок, сигнал декодера может быть искажен. Отрегулируйте уровень входного сигнала.

4. По завершении щелкните [**Применить** ()].

НАСТРОЙКА СЕТИ

Интерфейс

1. В меню настройки выберите вкладку <Сеть ()>.
2. Выберите <Интерфейс>.
3. Задайте необходимые значения для параметров <Режим подключ.> и <Настройка IPv6>.
 - Тип IP: выбор типа IP-соединения.
 - Manual: указание значений в пунктах IP-адрес, Маска подсети, Шлюз, DNS1 и DNS2.
 - DHCP: указание значений в пунктах DNS1 и DNS2.
 - Если выбрать значение <Manual>, то значения пунктов IP-адреса, маски подсети, шлюза, DNS 1 и 2 необходимо будет задать вручную.
4. По завершении щелкните [Применить ()].



экран настройки

SSL

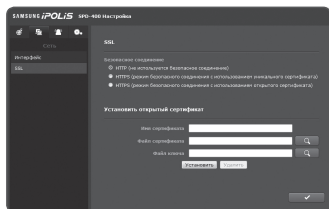
Можно выбрать систему безопасного соединения или установить для этой цели публичный сертификат.

1. В меню настройки выберите вкладку <Сеть ()>.

2. Нажмите <SSL>.

3. Выберите систему безопасного соединения.

- При использовании сетевого видеodeкодера используется режим безопасного HTTPS. Введите IP-адрес в адресное поле: `https://<Network Decoder_IP>`.



4. Выполните поиск сертификата для сетевого видеodeкодера.

Чтобы установить сертификат для сетевого видеodeкодера, необходимо ввести номер в сертификат (он может быть назначен по усмотрению пользователя) и указать файл сертификата, выданного организацией, и файл ключей.

- Параметр <HTTPS (режим безопасного соединения с использованием открытого сертификата)> будет работать только в том случае, если установлен публичный сертификат.

5. По завершении щелкните [Применить ()].

Установка сертификата

1. Введите имя сертификата.

2. Выберите необходимый файл сертификата и файл ключей, а затем нажмите кнопку [Установить ()].

Удаление сертификата

1. Нажмите кнопку [Удалить ()].

2. Для удаления публичного сертификата необходим доступ к сетевому видеodeкодеру в режиме <HTTP (не используется безопасное соединение)> или <HTTPS (режим безопасного соединения с использованием уникального сертификата)>.

НАСТРОЙКА СОБЫТИЙ

Вход тревоги

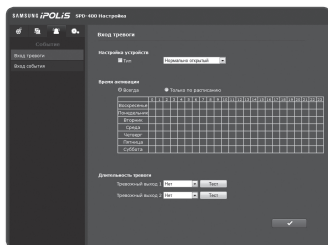
Можно установить тип входа тревоги, длительности и действия порта входа тревоги сетевого видеodeкодера.

1. В меню настройки выберите вкладку <Событие (🔔)>.

2. Выберите <Вход тревоги>.

3. Выберите тип устройства ввода.

- Тип
 - Нормально открытый: обычно разомкнут, но при его замыкании срабатывает сигнал тревоги.
 - Нормально замкнутый: обычно замкнут, но при его размыкании срабатывает сигнал тревоги.



4. Укажите значение параметра <Время активации>.

- Всегда: проверка должна выполняться каждый раз при возникновении сигнала. Она активируется в рабочем режиме при возникновении сигнала.
- Только по расписанию: проверка в случае возникновения сигнала в указанный день недели в определенное время. Она активируется в рабочем режиме при возникновении сигнала.

5. Установите время задержки выхода сигнала тревоги в случае его возникновения.

- Тревожный выход: укажите время вывода сигнала тревоги в настройках входа сигнала тревоги.
 - Если для параметра длительности тревоги установлено значение <Всегда>, то сигнал тревоги продолжит работать до тех пор, пока нажата кнопка принятия тревоги, как показано на странице Аудио и Видео.
- Тест: проведите тест тревоги для подключенного устройства выхода сигнала.

6. По завершении щелкните [Применить (✔)].

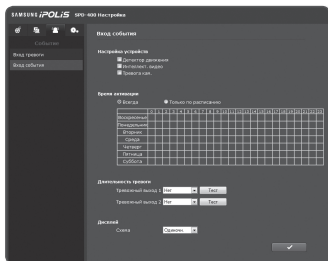
экран настройки

Вход события

Можно установить длительность тревоги и тип действия сетевой камеры или устройства кодирования.

1. В меню настройки выберите вкладку <Событие ()>.
2. Выберите <Вход события>.
3. Укажите устройство входа события.

- Настройка устройств
 - Детектор движения: подключенное устройство распознает движение и отправляет сигнал тревоги.
 - Интеллект. видео: подключенное устройство распознает событие анализа интеллектуального видео и отправляет сигнал тревоги.
 - Тревога кам.: подключенное устройство распознает событие входного сигнала датчика и отправляет сигнал тревоги.



- Работает только, если камера зарегистрирована на схеме, которая поддерживает необходимую функцию и задает значение ВКЛ.

4. Укажите время активации.
 - Для установки <Время активации> см. раздел “Вход тревоги”. (стр. 41).
5. Установите <Длительность тревоги> для каждого сигнала тревоги.
6. Выберите <Схема> для каждого дисплея отображения видео устройства в случае события.

Если выбран режим <Четв.> и необходимая одинарная схема назначена для двух четв. схем, тогда будет выбрана и будет отображаться четв. схема с меньшим порядковым номером.

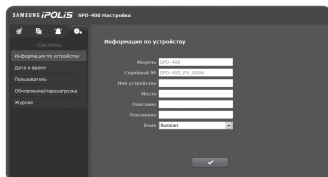
При возникновении события схема, выбранная для данного события, отображается вместе с границей тревоги и сообщением о тревоге в соответствии с указанными настройками дисплея пока на странице Аудио и Видео не нажата кнопка принятия тревоги.

Экран возвращается к предыдущей схеме события, пока нажата кнопка принятия тревоги.
7. По завершении щелкните [Применить ()].

НАСТРОЙКА СИСТЕМЫ

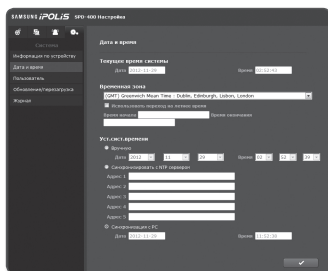
Информация о продукте

1. В меню настройки выберите вкладку <Система ()>.
2. Выберите <Информация по устройству>.
3. Проверьте сведения о сетевом видеодекодере или предоставьте данные, соответствующие вашей сетевой среде.
 - Имя устройства: введите имя сетевого видеодекодера.
 - Место: укажите расположение установленного сетевого видеодекодера.
 - Описание: введите дополнительную подробную информацию на установленный сетевой видеодекодер.
 - Пояснение: введите пояснительные сведения о сетевом видеодекодере.
 - Язык: выберите предпочитаемый язык для меню сетевого видеодекодера и интерактивной программы просмотра Web Viewer.
4. По завершении щелкните [Применить ()].



Дата и время

1. В меню настройки выберите вкладку <Система ()>.
2. Выберите <Дата и время>.
3. Установите время системы сетевого видеодекодера.
 - Текущее время системы: отображение текущих настроек времени системы.
 - Временная зона: местный часовой пояс относительно времени по Гринвичу.
 - Использовать переход на летнее время: если регион установленного расположения совпадает с летнем временем, можно выбрать, требуется ли применять летнее время или нет.



экран настройки

- Уст.сист.времени: укажите время и дату, которые будут применены к системе.
 - Вручную: укажите время вручную.
 - Синхронизировать с NTP сервером: синхронизация со временем сервера с указанным адресом.
 - Синхронизация с PC: синхронизация со временем подключенного ПК.

4. По завершении щелкните [**Применить** ()].



- При выборе параметра **<Синхронизация с PC>** в качестве стандартного часового пояса будет задан текущий часовой пояс, установленный на компьютере.

Пользователь

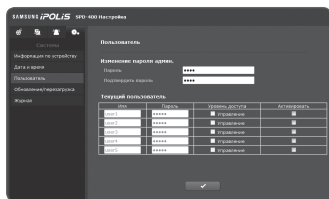
1. В меню настройки выберите вкладку **<Система ()>**.

2. Выберите **<Пользователь>**.

3. Укажите необходимые сведения о пользователе.

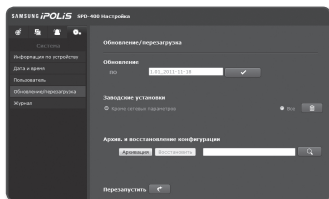
- Изменение пароля админ.: измените текущий пароль администратора.
 - Используемый по умолчанию пароль может быть доступен для злоумышленников, поэтому после установки продукта рекомендуется изменить пароль. Следует иметь в виду, что ответственность за проблемы безопасности и другие подобные проблемы, возникшие вследствие отказа изменить пароль, лежит на пользователе.
- Текущий пользователь: можно изменить сведения о пользователе и настроить уровень разрешений для пользователя, для которого установлено значение **<Активировать>**.
 - Управление: все элементы меню, за исключением управления учетной записи пользователя, могут использоваться, если установлено значение Вкл.
 - Активировать: активация учетной записи пользователя.

4. По завершении щелкните [**Применить** ()].



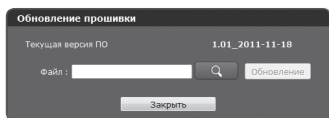
Обновление/перезагрузка

1. В меню настройки выберите вкладку <Система (⚙️)>.
2. Выберите <Обновление/перезагрузка>.
3. Выберите параметр и задайте для него соответствующие настройки.
 - Обновление: выполнение обновления системы.
 - Заводские установки: сброс настроек системы до заводских установок.
 - Кроме сетевых параметров: сброс всех настроек, кроме параметров сети.
 - Все: сброс всех настроек, включая параметры сети.
 - Архив. и восстановление конфигурации: резервное копирование текущих настроек системы перед выполнением восстановления. После резервного копирования или восстановления система перезапустится автоматически.
 - Перезапустить: перезапуск системы.

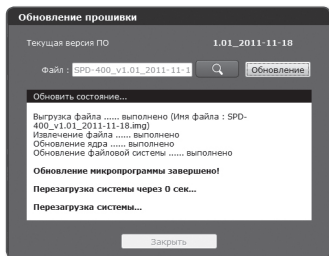


Выполнение обновления

1. Нажмите кнопку [✓].
2. Нажмите [🔍] и укажите файл, который следует обновить.
3. Нажмите кнопку [Обновление].
4. Появится диалоговое окно “Обновить состояние”, в нижней части которого будет отображаться ход выполнения.



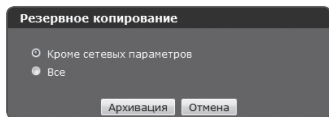
- Если процесс обновления будет принудительно прерван, обновление не будет выполнено должным образом.



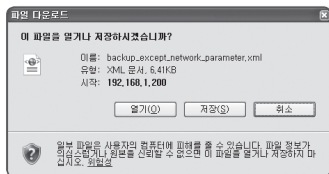
экран настройки

Сохранение текущих настроек и восстановление настроек резервного копирования

1. Нажмите **[Архивация]**.
Появится диалоговое окно “Сохранение”.



2. Укажите путь для файла резервной копии, введя имя соответствующего файла, и нажмите кнопку **[Сохранить]**.
Файл резервной копии будет сохранен в заданную папку в формате “.xml”.
3. Выберите резервный файл для восстановления настроек из архивации.

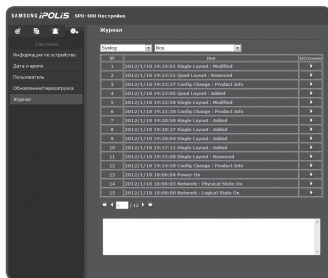


4. Нажмите **[Восстановить]**.
Система будет перезагружена после завершения восстановления.

Журнал

Можно проверить данные системного журнала или журнала событий.

1. В меню настройки выберите вкладку <Система (⚙️)>.
2. Нажмите <Журнал>.
3. Выберите тип журнала.
 - Сист. журнал: можно проверить системные журналы, в которых записаны изменения системы, включая данные о времени.
 - Журнал событий: можно проверить данные журналов событий, включая данные о времени.
4. В правом списке журналов выберите журнал, который требуется найти.
 - Если в верхнем левом раскрывающемся списке выбрать элемент <Все>, то отобразятся все журналы соответствующего типа.
5. Если невозможно отобразить на одной странице все имеющиеся журналы, перемещайтесь к предыдущему, следующему или последнему журналу с помощью расположенных внизу кнопок.



- Если требуется просмотреть данные журнала, в правом столбце журнала нажмите [Источник (🔍)]. Данные журнала отобразятся в нижней панели.
- На каждой странице отображаются 15 журналов, причем самый последний отображается в верхней части списка.
- В списке журналов событий и системных журналов может содержаться до 1000 журналов. Когда будет превышено это количество, при создании каждого нового журнала будет удаляться самый ранний журнал.

приложение

ХАРАКТЕРИСТИКИ

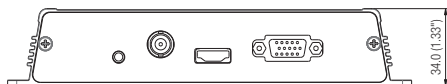
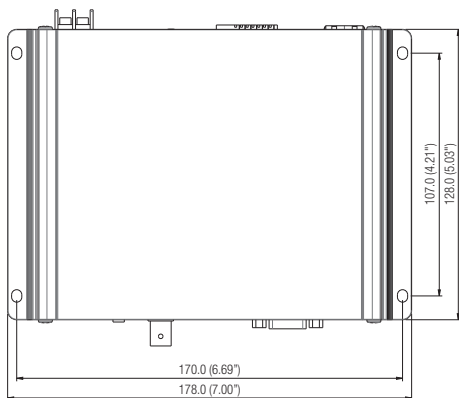
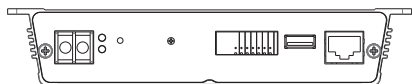
Элементы		Описание
Видеовыход	Видеовыход	1) HDMI/VGA: макс. 1920x1080p (одинаковое выходное разрешение для HDMI, VGA) 1920x1080p, 1680x1050, 1600x900, 1440x900, 1280x1024, 1280x720p, 1024x768 2) CVBS: NTSC : 1.0 Vp-p / 75 Ом композитный 704x480 PAL : 1.0 Vp-p / 75 Ом композитный 704x576 3) Выберите из HDMI/VGA, CVBS
	Задержка видео	1) H.264: не более 3,5 секунд 2) MPEG-4: не более 2 секунд 3) MJPEG: не более 2 секунд
	Триггер события	Вход сигнала, ввод события сетевой камеры
	В/В сигнала тревоги	Вход – 1 шт./выход – 2 шт. (реле)
Сеть	Ethernet	RJ-45 (10/100/1000BASE-T)
	Формат сжатия видео	H.264, MPEG-4, MJPEG
	Разрешение	1) H.264 - Режим одного экрана: 1920x1080p – 320x240 - режим четырех экранов: 1280x720p – 320x240 (за исключением 800x600) 2) MPEG-4: - Режим одного экрана: 4CIF – 320x240 - режим четырех экранов: 4CIF – 320x240 3) MJPEG: - Режим одного экрана: 1280x720p – 320x240 (за исключением 800x600) - режим четырех экранов: 1280x720p – 320x240 (за исключением 800x600) 1920x1080p, 1280x1024, 1280x720p, 704x576, 704x480, 640x480, 352x288, 352x240, 320x240
	Макс. частота кадров	Макс. 30 кадр/с в режиме одного экрана, макс. 120 кадр/с при 4x (640x480), макс. 100 кадр/с при 4x4 CIF, макс. 60 кадр/с при 4x720p (при отключенном звуке)
	Дисплей	Одинарная схема, четв. схема

Элементы		Описание
Сеть	В/В аудио	1 Линия выхода
	Формат сжатия звука	G.711, G.726
	IP	IPv4, IPv6
	Протокол	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), NTP, HTTP, DHCP, ICMP, IGMP, ARP, SSL, DNS
	Безопасность	Проверка подлинности при входе HTTPS(SSL) Регистрация доступа пользователей
	Подключения камер	64 камер, 8 схем, 10 последовательностей
	Соответствие ONVIF	Не поддерживается
	Поддерживаемые устройства	Сетевые камеры Samsung (*) Axis: P3301, P3343, P3344, P1311, P1343, P1344, P1346, PTZ215, Q6032, Q7401, Q7404 (верс. микропрограммы: 5.x) 1) Поток (видео/аудио в реальном времени): SVNP 1.2 (AXIS : RTP/RTSP) 2) Сигнал тревоги панели управления/сети: SVNP 1.2 (AXIS: не поддерживается) * Обратитесь к дилеру за последней информацией о совместимых сетевых устройствах Samsung.
Требования к условиям эксплуатации	Интерактивная программа просмотра Web Viewer	Поддерживаемые ОС: Windows XP/VISTA/7 Поддерживаемый браузер: Internet Explorer 7.0 или 8.0, Firefo x2.x, 3.x, Chrome, Safari
	Рабочая температура /влажность	от +0°C до +40°C (от +32°F до +104°F) / от 0% до 90%, относительная
Электропитание	Входное напряжение	12 В постоянного тока
	Потребляемая мощность	Макс. 10 Вт
Физические характеристики	Цвет/материал	Серебро/металл
	Размеры (ШхВхГ)	Ш 178,0 x В 34,0 x Г 128,0 мм (Ш 7,00 x В 1,33 x Г 5,03 дюймы)
	Вес	530 г

приложение

ОБЩИЕ СВЕДЕНИЯ ОБ УСТРОЙСТВЕ

Единицы: мм (дюймы)



УСТРАНЕНИЕ НЕИСПРАВНОСТЕЙ

ПРОБЛЕМА	СПОСОБ УСТРАНЕНИЯ
Невозможно подключиться к сетевому видеodeкодеру с помощью веб-обозревателя.	- Если то же происходит и после перезагрузки сетевого видеodeкодера, то нажмите и удерживайте в течение 5 секунд кнопку [RESET], чтобы сбросить его настройки сетевого видеodeкодера. - Убедитесь, что все кабели сети правильно подключены. - Проверьте, правильно ли назначен динамический IP-адрес для сетевого видеodeкодера (в среде DHCP).
Не удастся подключиться к системе при помощи браузера вкладок веб-обозревателя Internet Explorer 7.0.	Если попытаться подключиться к системе при помощи браузера вкладок, тогда информация о файле cookie будет доступна и в результате этого произойдут ошибки при подключении. Поэтому вместо браузера вкладок необходимо открыть новое окно браузера, чтобы подключиться к системе.
Программа IP Installer не находит сетевой видеodeкодер, установленный в этой сети.	Отключите брандмауэр на вашем ПК и снова выполните поиск сетевого видеodeкодера.
На мониторе ничего не отображается.	- Проверьте правильность подключения монитора к сетевому видеodeкодеру и соответствие режимов видео. - Проверьте, поддерживает ли монитор выходное разрешение сетевого видеodeкодера, и соответствующую ли их разрешения.
На мониторе отображается только логотип, и переключения на другой экран не происходит.	Если то же происходит и после перезагрузки сетевого видеodeкодера, то нажмите и удерживайте в течение 5 секунд кнопку [RESET], чтобы сбросить его настройки сетевого видеodeкодера.

OPEN SOURCE ANNOUNCEMENT

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Component Name	License	License URL
lighttpd 1.4.25	BSD 2.0	http://www.opensource.org/licenses/bsd-license.html
librt 1.20	BSD 1.0	
Live555	GPL 2.1	http://www.opensource.org/licenses/LGPL-2.1

lighttpd is a secure, fast, compliant, and very flexible web-server that has been optimized for high-performance environments. It has a very low memory footprint compared to other webservers and takes care of cpu-load. Its advanced feature-set (FastCGI, CGI, Auth, Output-Compression, URL-Rewriting and many more) make lighttpd the perfect webserver-software for every server that suffers load problems.

Simple Network Management Protocol (SNMP) is an Internet-standard protocol for managing devices on IP networks. It is used mostly in network management systems to monitor the devices attached to the network for conditions that need administrative attention. Net-SNMP is a suite of applications used to implement SNMP v1, SNMP v2c and SNMP v3 using both IPv4 and IPv6.

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

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Version 2.1, February 1999

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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