

Wisenet SSM Screen Mirroring Agent

제품 사용 설명서

VER 1.04

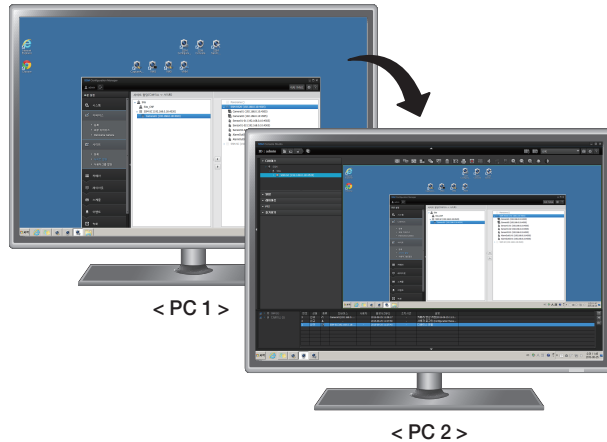
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SSM-SC 소개

SSM-SC 란

SSM-SC(Screen Mirroring Agent) Software는 Wisenet SSM의 Add-on 프로그램으로, Wisenet SSM과 연동하여 사용자 PC 화면을 Wisenet SSM으로 전송하는 기능을 제공합니다.
SSM-SC 사용을 위해서는 SSM을 설치해야 합니다.



시스템 요구사항

SVM 설치에 아래와 같은 사양을 만족해야 합니다.

명칭	최소사양	권장사양
CPU	Intel i5(Sandy bridge)	Intel i7(Sandy bridge)
RAM	2GB	4GB
VGA	Intel CPU 내장 VGA	NVIDIA GTX 650 series 이상 AMD(ATI) R7/R9 series 이상
OS	Windows7(32/64bit), Windows8(32/64bit), Window 8.1, Windows 10	

제품 구성

- SSM-SC Installation File
- User Manual

소프트웨어 구성

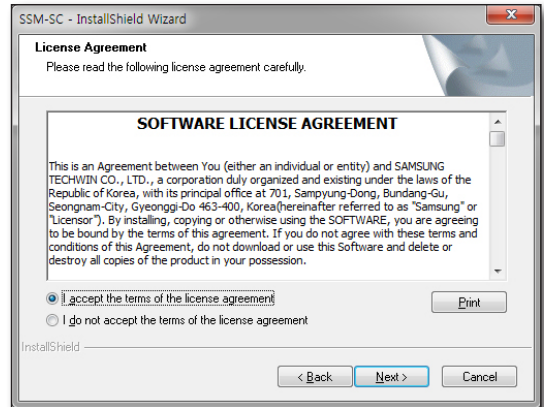
SSM-SC는 다음 3가지 응용프로그램을 제공합니다.

- SSM-SC(Screen Mirroring Agent): PC 모니터 화면을 캡처해 주는 프로그램
- License Manager: 라이선스 관리 프로그램

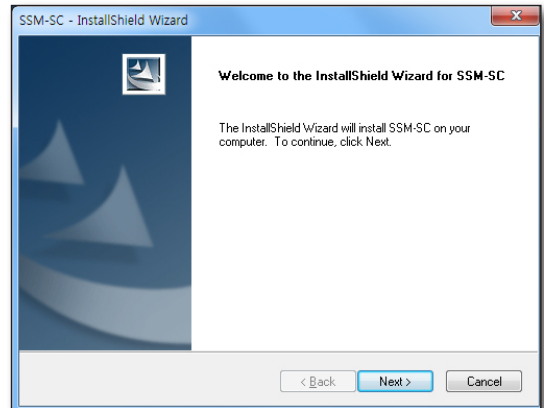
SSM-SC 시작하기

설치하기

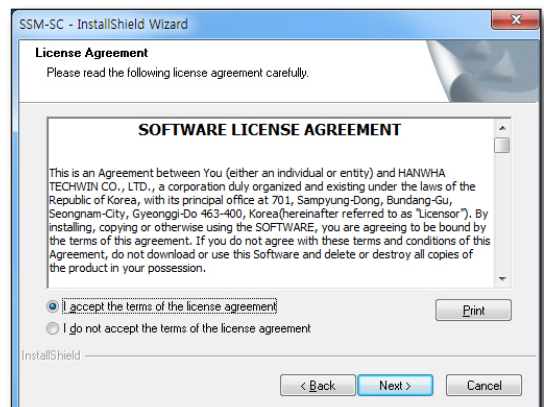
1. SSM-SC 설치 파일을 실행하세요.
2. 구성 요소 설치 중 재부팅이 필요할 수 있습니다.
이 경우 재부팅 후 설치 파일이 자동으로 시작됩니다.



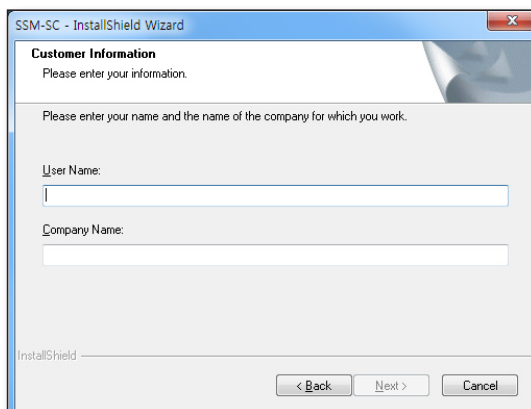
3. 설치화면 창이 뜨면 **[Next >]** 버튼을 클릭하세요.



4. 라이선스 정책에 동의하고 **[Next >]** 버튼을 클릭하여 다음 단계로 이동하세요.

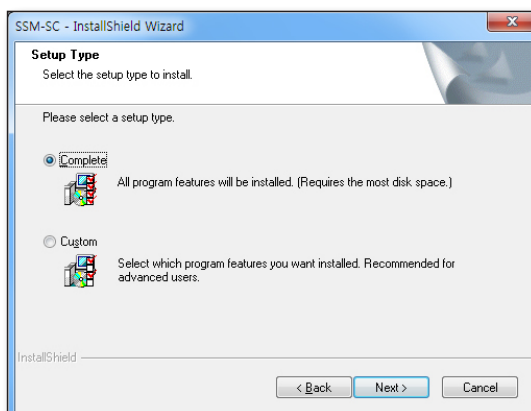


5. User Name과 Company Name을 입력하고 다음 화면으로 이동하세요.



6. Setup Type을 선택하세요.

- <Custom>을 선택한 경우 설치 경로를 지정할 수 있습니다.

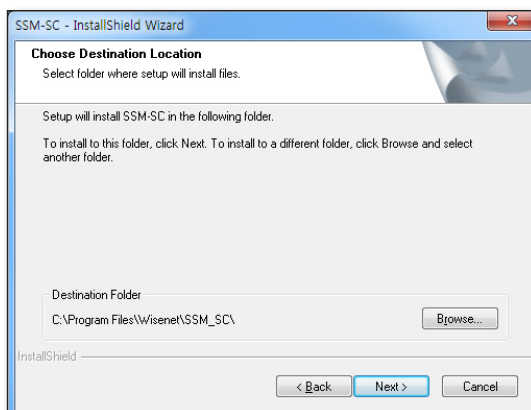


7. 설치 파일이 저장될 대상 폴더를 설정하세요.

기본 설정은 “C:\Program Files\Wisnet”입니다.

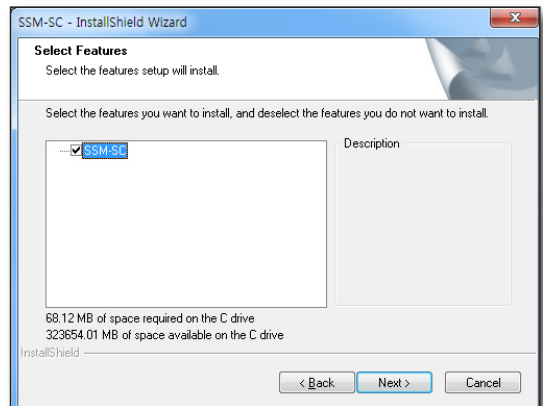
- 경로 설정을 변경하려면 [Browse...] 버튼을 클릭하고 원하는 경로를 입력하거나 폴더를 선택하여 폴더 경로를 변경하세요.

8. 다음 단계로 진행하려면 [Next >] 버튼을 클릭하세요.

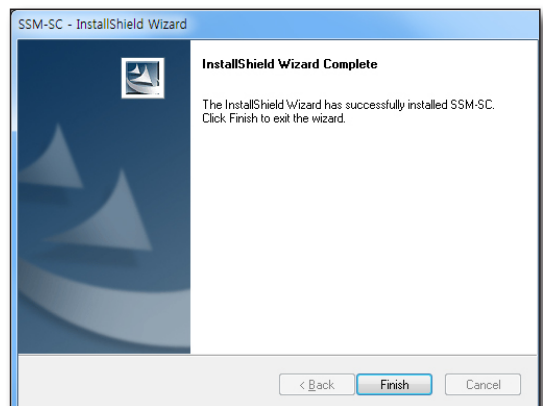


SSM-SC 시작하기

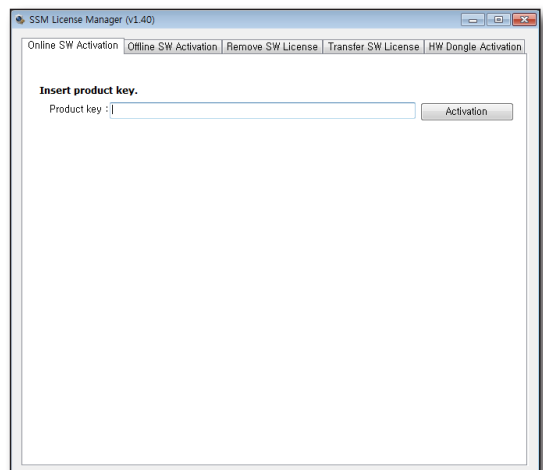
9. SSM-SC를 체크하고 [Next >] 버튼을 클릭하세요.



10. [Finish] 버튼을 클릭하여 설치를 완료하세요.



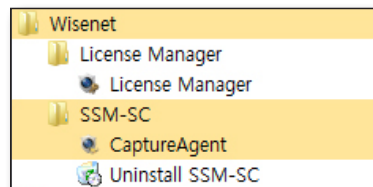
11. 최초 설치시 제품키 확인 과정을 거칩니다. 제품키를 등록하여 설치를 완료하세요.



설치 결과 확인하기

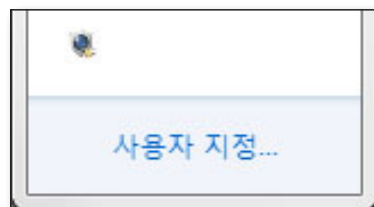
설치 완료 후 SSM-SC가 성공적으로 설치되었는지 확인하세요.

1. <시작> 메뉴로 이동하세요.
2. SSM-SC가 정상적으로 설치되어있는 경우, <Wisenet> 하위에 <License Manager>, <SSM-SC> 항목이 표시됩니다. <SSM-SC> 하위에는 <CaptureAgent>, <Uninstall SSM-SC> 항목이 표시됩니다.



실행하기

1. SSM-SC 실행파일을 클릭하여 SSM-SC를 실행하세요.
2. 실행이 완료되면 우측과 같이 작업 표시줄에 Wisenet SSM Screen Mirroring Agent 아이콘이 생성됩니다.
3. 종료할 때는 작업표시줄 Capture Agent 아이콘을 우클릭 하여 나오는 메뉴 중 <종료>를 클릭하세요.



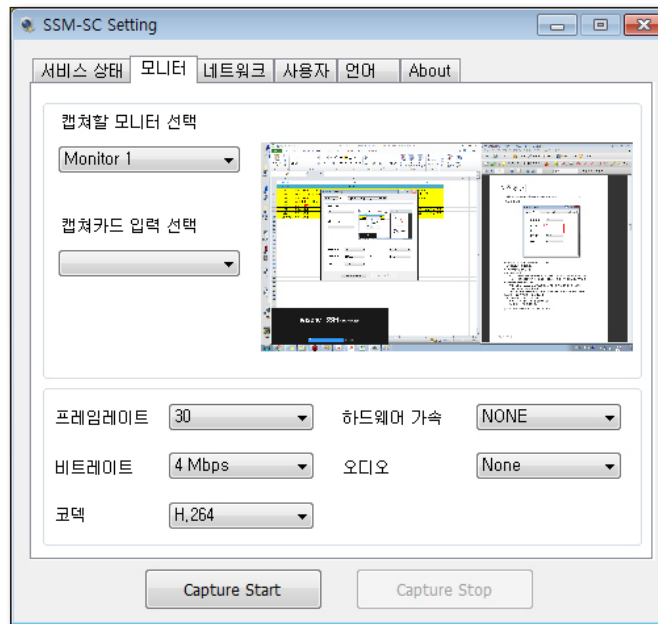
설정 실행하기

1. <Capture Agent> 아이콘을 우클릭 하여 나오는 메뉴 중 <설정>을 클릭하여 설정창을 실행하세요.
2. 설정창이 정상적으로 실행 된 경우 우측과 같은 화면이 나타납니다. 이후, 설정창을 통해 화면 캡처 관련 설정을 조정할 수 있습니다.



SSM-SC 시작하기

모니터 설정하기



1. <모니터> 탭을 선택하면 모니터 설정 화면이 나타납니다. 이 메뉴에서 캡처할 모니터 또는 캡처카드 입력을 선택합니다.

- 캡처할 모니터 선택 : 최대 4개 중 1개를 선택할 수 있습니다.
- 캡처카드 입력 선택 : PC에 캡처카드 또는 카메라 등이 설치되어 있는 경우, 지원가능한 장비는 자동으로 리스트에 추가됩니다. (캡처카드 선택 시 모니터는 선택할 수 없습니다.)



- 모니터의 실제 구성과 상관없이 선택할 수 있습니다.
즉, 모니터 1개를 구비하고 있는 PC에서 모니터 3을 선택시 가상의 논리적인 모니터 3의 캡처를 시도하게 됩니다.

2. 모니터 또는 캡처 카드를 선택한 후 원하는 화면이 맞는지 미리보기를 통해 확인할 수 있습니다.

3. <프레임레이트>를 선택합니다.

4. <비트레이트>를 선택합니다.

5. <코덱>을 선택합니다.

- MJPEG : 비트레이트가 크지만 CPU를 조금 사용합니다. 하드웨어 가속이 없을 경우 권장합니다.
- H.264 : 비트레이트가 작지만 CPU를 많이 사용합니다. 하드웨어 가속이 있을 경우 권장합니다.

6. <하드웨어 가속>을 선택합니다.

- AMD Radeon HD 7700, AMD VGA는 단일 모니터 구성시에만 HW 가속을 지원합니다.
- H.264 코덱일 경우에만 지원합니다.
- NVIDIA GTX-650 series 이상, AMD ATI R7/R9 이상, Intel CPU 내장 VGA 사용시 제공됩니다.

7. 오디오 사용 여부 및 압축 방식을 선택합니다.

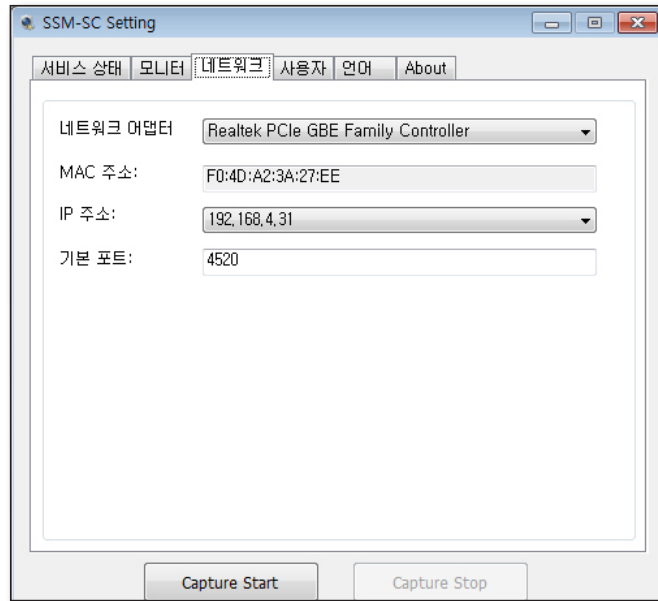
- 오디오는 PC의 마이크 입력을 의미합니다.
- NONE : NONE 선택시 오디오는 전송하지 않습니다.
- G.711 : 음성용 범용 코덱입니다.



- 영상에 따라 비트레이트는 정확히 맞지 않을 수 있습니다.

네트워크 설정하기

<네트워크> 탭을 선택하면 네트워크 설정 화면이 나타납니다.



- 네트워크 어댑터 : 랜카드가 2개 이상 설치된 PC의 경우 사용할 네트워크 어댑터를 선택할 수 있습니다.
- MAC 주소 : 네트워크 어댑터 선택시 해당 어댑터의 MAC 주소가 자동으로 선택됩니다.
- IP 주소 : 해당 어댑터에 설정된 IP 주소 중 하나를 선택할 수 있습니다.
- 기본 포트 : 네트워크 송수신에 사용할 포트 번호를 할당할 수 있습니다.

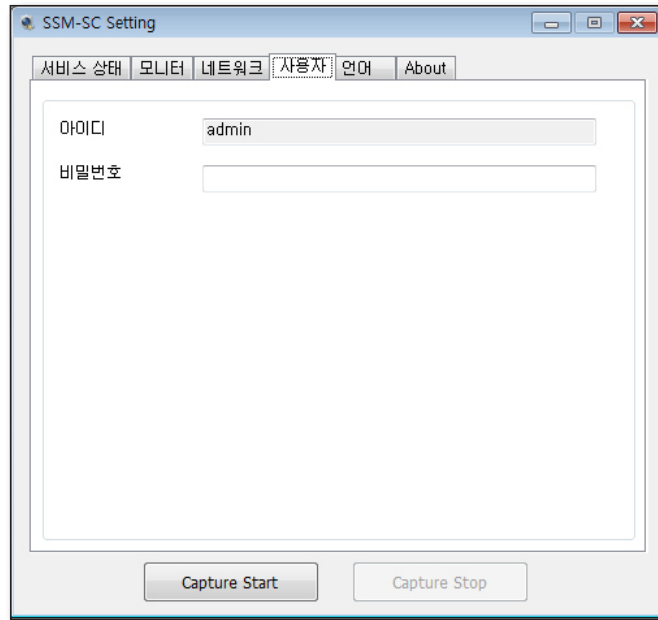


■ 해당 포트는 방화벽이 해제되어야 합니다.

SSM-SC 시작하기

사용자 설정하기

<사용자> 탭을 선택하면 사용자 설정 화면이 나타납니다.

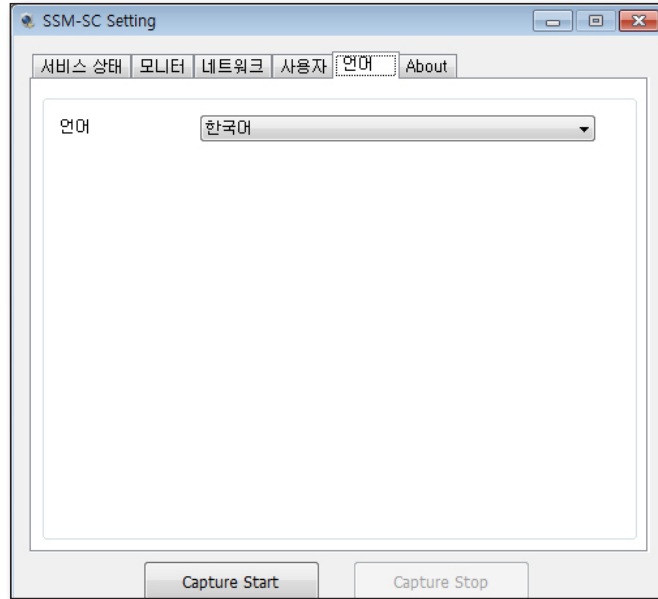


- ID : ID는 "admin"으로 고정되어 있습니다.
- 비밀번호 : 비밀번호를 설정할 수 있습니다.

- !** 비밀번호를 보안을 위해 아래 다음과 같은 제약을 가지고 있습니다.
- 아이디와 비밀번호는 동일하지 않아야 합니다.
 - 최소 8자리, 최대 32자리 이어야 합니다.
 - 8자리 이상 10자리 미만인 경우에는 영문 + 숫자 + 특수문자로 조합되어야 합니다. (특수문자 제약 없음)
 - 10자리 이상인 경우에는 최소 영문 + 숫자로 조합되어야 합니다.
 - 4개 이상 연속된 문자는 사용할 수 없습니다. (ex. abcd, dcba)
 - 4개 이상 반복되는 문자를 사용할 수 없습니다. (ex. 1111, qqqq)
 - 필수 사항이 위배되는 경우에는 Password를 설정할 수 없습니다.

언어 설정하기

<언어> 탭을 설정하면 언어 설정 화면이 나타납니다.



- 언어 : 언어 변경은 선택 즉시 적용됩니다.

SSM-SC 시작하기

서비스 시작

<서비스> 탭을 선택하면 서비스 설정 화면이 나타납니다.



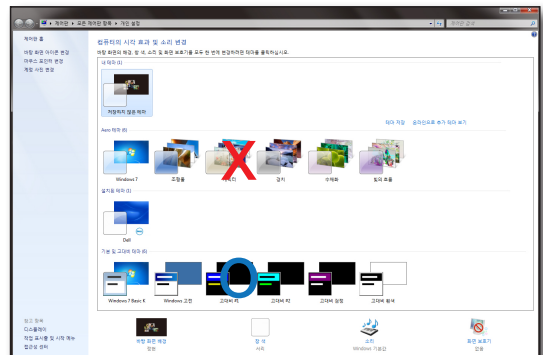
[Capture Start] 버튼을 클릭하여 캡처 서비스를 시작합니다. 정지하려면 [Capture Stop] 버튼을 클릭합니다. 프로그램 종료, PC 재부팅 등으로 서비스가 중단된 경우 Capture Agent를 재실행하면 자동으로 서비스가 재개됩니다.

Capture Agent는 종료시 서비스 운용 상태를 저장하여, 재시작시 서비스 운용 상태를 유지합니다.

즉, 서비스 운용 중 종료 발생시, Capture Agent를 다시 실행하시면 서비스 운용 상태로 변경됩니다. 서비스 운용 중단 상태에서 종료 발생시, Capture Agent를 다시 실행하시면 서비스 운용 중단 상태를 유지합니다.

❗ 캡처 서비스 운용 중에는 전송, 모니터, 네트워크 등 기존 설정을 변경할 수 없습니다.

Windows7 이상에서 사용하는 “Aero Theme”를 사용할 경우 성능이 떨어집니다. 제어판 개인설정에서 테마를 변경하세요. (기본 테마 사용을 권장합니다.)



Wisenet SSM 등록하기

WISENET SSM 등록

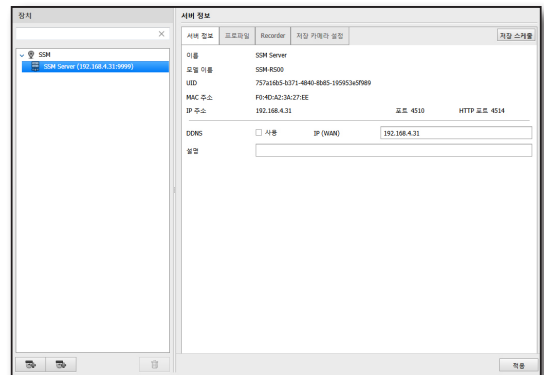
SSM-SC를 사용하기 위해서는 기본적으로 Wisenet SSM에서 다음과 같은 선행 작업이 필요합니다.

■ 자세한 내용은 "**Wisenet SSM 제품 사용 설명서**"를 참고하세요.

1. Console Client를 실행 후 구성 관리자를 실행하세요.



2. "구성 관리자 > 장치 > 등록" 메뉴로 이동하세요.
3. [] 버튼을 이용하여 네트워크 상에 연결된 카메라 혹은 기타 장치들을 검색하세요.
4. 기존 네트워크 카메라를 등록하는 방법과 동일하게 SSM-SC를 등록할 수 있습니다.
SSM-SC를 선택하고 아이디는 "admin", 비밀번호는 SSM-SC에서 설정한 비밀번호를 입력한 후 [등록]을 누르세요.
5. 등록 이후 기존 네트워크 카메라처럼 운용할 수 있습니다.



Wisenet SSM 등록하기

디바이스를 수동으로 추가하려면

디바이스의 정보를 직접 입력하여 등록할 수 있습니다.

1. [수동 등록] 버튼을 클릭하세요.
“디바이스 등록 (수동)” 창이 나타납니다.
2. 모델 이름에서 <SSM-SC>를 선택하세요.
3. <주소 타입>을 선택하세요.
 - SSM-SC는 SVNIP만 지원합니다.
4. 디바이스에 연결하는데 필요한 정보를 설정하세요.
 - 주소 타입에 따라 입력해야 하는 정보가 다릅니다.
5. 사용자 아이디와 비밀번호를 입력하세요.
 - 사용자 아이디와 비밀번호는 등록하려고 하는 디바이스에 설정된 사용자 아이디와 비밀번호입니다.
6. [등록] 버튼을 클릭하세요.
 - 접속 오류가 발생하는 경우 오류 원인에 대한 메시지가 표시됩니다.

장치 등록

자동 수동

장치 수동 등록

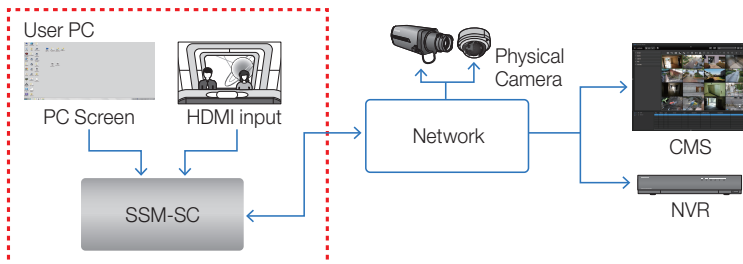
모델 이름	ACIAM-6050	게이트 포트	502
주소 형식	IP	HTTP 포트	80
IP 주소	0.0.0.0	ID	
		비밀번호	

등록

부록

시스템 구성

SSM-SC(Screen Mirroring Agent)는 Wisenet SSM에 PC 화면을 제공하기 위한 add-on 프로그램입니다.

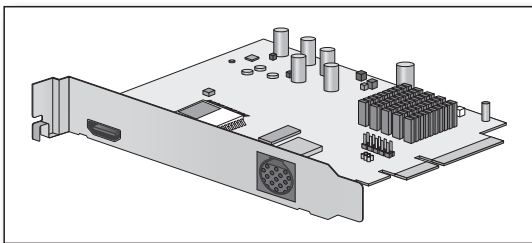


위 그림은 SSM-SC가 어떻게 결선되는 지 보여줍니다.

캡처 카드 사용 방법

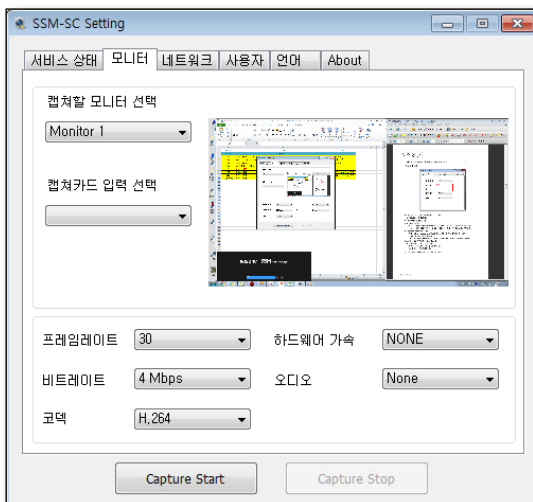
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- 3) 사용자 임의로 분해, 수리한 경우
- 4) 자연재해에 의한 고장 (화재, 홍수, 해일 등)
- 5) 소모품 교체시

한 화 테 크 윈 주 식 회 사



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