

WiseNet HD+

Superior Full-HD images in one complete solution

Samsung's analogue HD solution provides better performance than existing analogue products. The AHD series can transmit 2M Full-HD images through the standard coaxial cable at a distance up to 500m without any additional adaptors required.

It is compatible with existing analogue cameras without changing the cable, providing a flexible and cost efficient solution.

If you want to use a more advanced analogue product, the **WiseNet HD+** is your best choice.

1080p



Advantages of WiseNet HD+

- Superior 1080p Full-HD Solution
- Full-HD video transmission distance up to 500m
- Cost-effective solution with lower setup costs
- No adaptors required for analogue and WiseNet HD+
- Easy installation compared to network systems

WiseNet HD+ Cameras

- Full-HD 1080p high resolution
- Min. 0Lux low light and Day & Night(ICR) features
- Full-HD video transmission up to 500m
- Compact design, IR Length up to 30m
- IP66 (SCO/SCV-6083R/6023R)

WiseNet HD+ DVR's

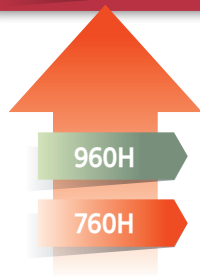
- 16/8/4CH Full-HD 1080p real-time DVR (SRD-1694/894/494)
- Up to 480/400(1080p)/fps recording rate (SRD-1694)
- Enhanced network bandwidth of 64Mbps (SRD-1694/894/494)
- Coaxial control function

SAMSUNG

Superior 1080p Full HD Image Quality

The **WiseNet HD+** series supports 2MP resolution (1920 x 1080 pixels) with only a single coaxial cable. This feature not only provides better performance than the existing analogue systems, but also supports the same resolution as the network without delays, delivering clearer and more vivid details.

AHD 2MP high resolution
1080P



Longer Transmission Distance up to 500m

(SRD-1694/894/494)

The **WiseNet HD+** series can transmit 1080p video and audio stably for distances of up to 500m using a coaxial cable, without any delays. This product will be recognised as an excellent solution that eliminates the drawback of short transmission distance found in typical analogue type products.



Max transmission distance up to **500m**



Simple and Flexible solution

As the DVR featuring the AHD technology is compatible with both the AHD camera and general analogue cameras, the user can avoid the expense of additional adaptors or changing their system.

Furthermore, when upgrading to the AHD system, you don't have to purchase an additional cable separately as it is possible to transmit AHD images via the existing cable, which also saves money.

Existing Analogue Camera

WiseNet HD+ HD Camera



Easy Installation

Compared to a complex network system, AHD technology is easy to install while it provides 2MP high quality image. As it uses the same installation procedure as the existing analogue system and does not require any specific prior knowledge, you can save time and effort compared to a network system.

WiseNet HD+ System

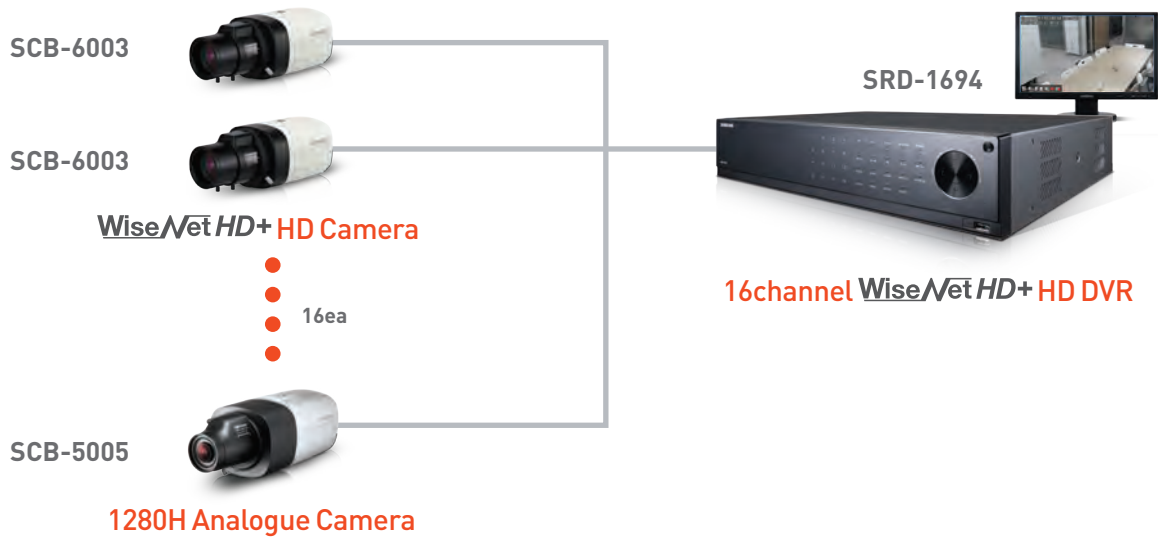
WiseNet HD+ Camera

WiseNet HD+ DVR

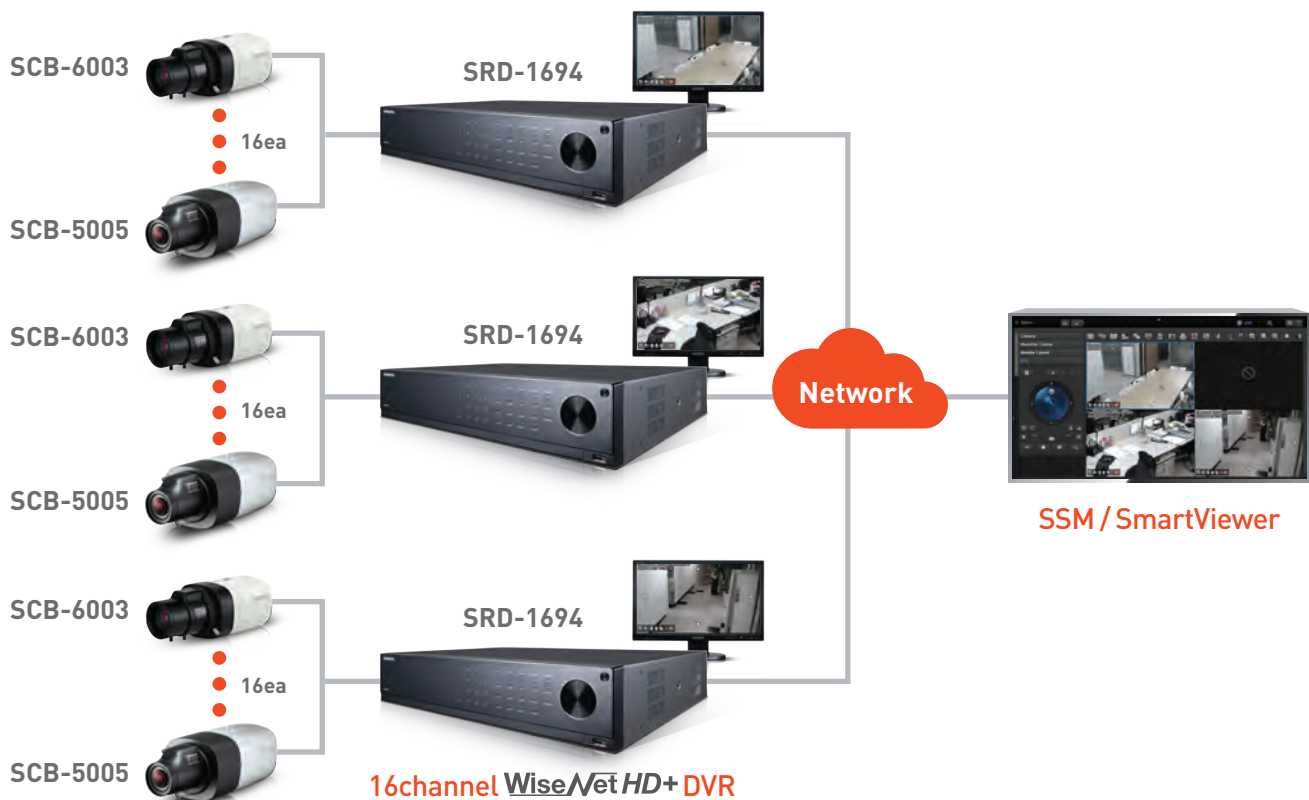


WiseNet HD+ Series Configuration

Under 16 Channels



Over 16 Channels



WiseNet HD+ SCB-6003

1080p Analogue HD Camera



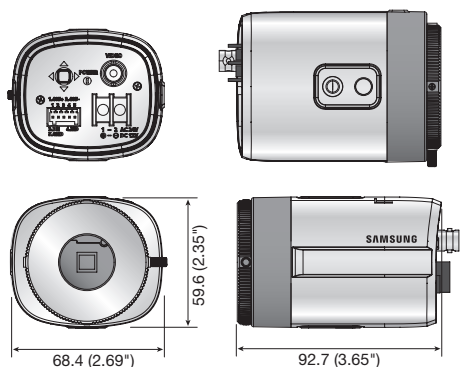
* Lens not included

Key Features

- Full HD (1,920 x 1,080 30fps) resolution
- 0.04Lux@F1.2 (Color), 0.004Lux@F1.2 (B/W)
- Day & Night (ICR), DWDR, SSNRIV, Motion detection
- Transmission distance max. 500m
- Easy installation (Plug & play), Dual power, RS-485

Dimensions

Unit : mm (inch)



SCB-6003N/P	
Video	
Imaging Device	1/2.9" 2M CMOS
Total Pixels	2,000(H) x 1,121(V) 2.24M pixels
Effective Pixels	1,984(H) x 1,105(V) 2.19M pixels
Scanning System	Progressive scan
Min. Illumination	Color : 0.04Lux (F1.2) B/W : 0.004Lux (F1.2)
S / N Ratio	52dB (AGC off, Weight on)
Video Output	BNC (AHD, CVBS selectable)
Resolution	1920 x 1080
Max. Framerate	30fps@1080p, 30fps@720p
Lens	
Mount Type	C / CS
Operational	
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean, German, Italian, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish
Camera Title	Off / On (Displayed 15 characters)
Day & Night	Auto (ICR) / External / Color / B/W
Backlight Compensation	Off / User BLC / HLC
Wide Dynamic Range	DWDR
Digital Noise Reduction	SSNRIV (Off / On)
Defog	Off / Auto / Manual
Motion Detection	Off / On (4 zones)
Privacy Masking	Off / On (4 zones rectangle)
Gain Control	Off / Low / Middle / High
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800K ~ 10,500K)
Electronic Shutter Speed	1sec ~ 1/12,000sec
Reverse	Off / H-Rev / V-Rev / HV-Rev
Profile	Basic, Day & Night, Backlight, Indoor, User
Alarm	(MD) output 1, External D/N 1
Remote Control Interface	Coaxial control, RS-485
Protocol	Coax : NTSC/PAL - Samsung CCVC, Pelco-C (Coaxitron), AHD - ACP (AHD Coax Protocol) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE
Video Transmission Distance	500m (1,640.42ft) (75-5 coaxial cable)
Environmental	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Electrical	
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)
Power Consumption	Max. 3.5W
Mechanical	
Color / Material	Black, Ivory / Aluminum, Plastic
Dimensions (WxHxD)	68.4 x 59.6 x 92.7mm (2.69" x 2.35" x 3.65")
Weight	175.5g (0.39 lb)

Available Lenses / Accessories (Optional)



* The latest product information / specification can be found at www.samsung-security.eu

WiseNet HD+ SCO-6083R

1080p Analogue HD Camera

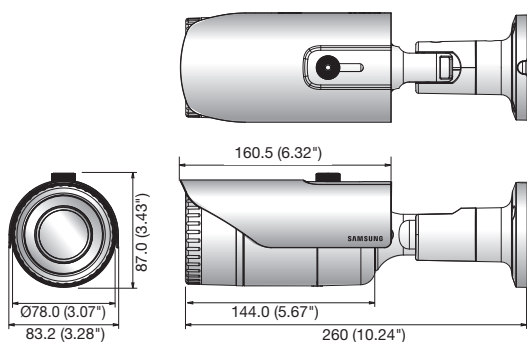


Key Features

- Full HD (1,920 x 1,080 30fps) resolution
- 0.11Lux@F1.4 (Color), 0Lux@F1.4 (B/W : IR LED on)
- 2.8 ~ 12mm (4.3x) varifocal lens
- Day & Night (ICR), DWDR, SSNRIV, Motion detection
- IR viewable length 30m, IP66, IK10, Dual power
- Transmission distance max. 500m
- Easy installation (Plug & play)

Dimensions

Unit : mm (inch)



SCO-6083RN/P

Video

Imaging Device	1/2.9" 2M CMOS
Total Pixels	2,000(H) x 1,121(V) 2.24M pixels
Effective Pixels	1,984(H) x 1,105(V) 2.19M pixels
Scanning System	Progressive scan
Min. Illumination	Color : 0.11Lux (F1.4) B/W : 0Lux (IR LED on)
S / N Ratio	52dB (AGC off, Weight on)
Video Output	BNC (AHD, CVBS selectable)
Resolution	1920 x 1080
Max. Framerate	30fps@1080p, 30fps@720p

Lens

Focal Length (Zoom Ratio)	2.8 ~ 12mm (4.3x) varifocal
Max. Aperture Ratio	F1.4
Angular Field of View	H : 103.8°(Wide) ~ 32.4°(Tele) / V : 53.7°(Wide) ~ 18.4°(Tele) / D : 121.9°(Wide) ~ 37.1°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Lens Type	DC auto iris
Mount Type	Board-in type

Operational

On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean, German, Italian, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish
Camera Title	Off / On (Displayed 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / User BLC / HLC
Wide Dynamic Range	DWDR
Digital Noise Reduction	SSNRIV (Off / On)
Defog	Off / Auto / Manual
Motion Detection	Off / On (4 zones)
Privacy Masking	Off / On (4 zones rectangle)
Gain Control	Off / Low / Middle / High / Very high
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800K° ~ 10,500K°)
Electronic Shutter Speed	1sec ~ 1/12,000sec
Reverse	Off / H-Rev / V-Rev / HV-Rev
Profile	Basic, Day & Night, Backlight, Indoor, User, ITS
Alarm	(MD) output 1
Remote Control Interface	Coaxial control
Protocol	Coax : NTSC/PAL - Samsung CCVC, Pelco-C (Coaxitron), AHD - ACP (AHD Coax Protocol)
IR Distance	30m (98.43ft)
Video Transmission Distance	500m (1,640.42ft) (75-5 coaxial cable)

Environmental

Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH *Start up should be done at above -10°C (+14°F)
Ingress Protection	IP66
Vandal Resistance	IK10

Electrical

Input Voltage / Current	Dual (24V AC & 12V DC ±10%)
Power Consumption	Max. 6W

Mechanical

Color / Material	Dark gray / Aluminum
Dimensions (WxH)	Ø78.0 x 260.0mm (3.07" x 10.24") (Without sun shield)
Weight	922g (2.03 lb)

WiseNet HD+ SCO-6023R

1080p Analogue HD IR Bullet Camera

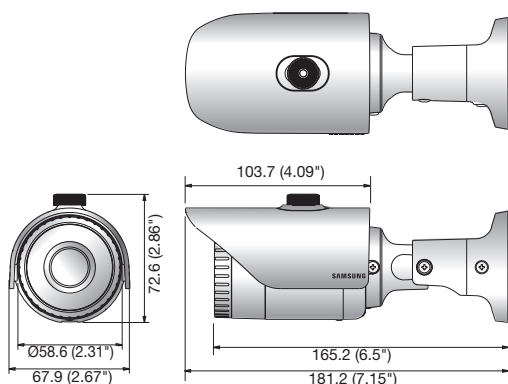


Key Features

- Full HD (1,920 x 1,080 30fps) resolution
- 0.15Lux@F2.1 (Color), 0Lux@F2.1 (B/W : IR LED on)
- Built-in 4mm fixed lens
- Day & Night (ICR), DWDR, SSNRIV, Motion detection
- IR viewable length 20m, IP66
- Transmission distance max. 500m
- Easy installation (Plug & play)

Dimensions

Unit : mm (inch)



SCO-6023RN/P	
Video	
Imaging Device	1/2.9" 2M CMOS
Total Pixels	2,000(H) x 1,121(V) 2.24M pixels
Effective Pixels	1,984(H) x 1,105(V) 2.19M pixels
Scanning System	Progressive scan
Min. Illumination	Color : 0.15Lux (F2.1) B/W : 0Lux (IR LED on)
S / N Ratio	52dB (AGC off, Weight on)
Video Output	BNC (AHD, CVBS selectable)
Resolution	1920 x 1080
Max. Framerate	30fps@1080p, 30fps@720p
Lens	
Focal Length (Zoom Ratio)	4mm fixed
Max. Aperture Ratio	F2.1
Angular Field of View	H : 72.2° / V : 52.9° / D : 94.3°
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Lens Type	Fixed
Mount Type	Board-in type
Operational	
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean, German, Italian, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish
Camera Title	Off / On (Displayed 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / User BLC / HLC
Wide Dynamic Range	DWDR
Digital Noise Reduction	SSNRIV (Off / On)
Defog	Off / Auto / Manual
Motion Detection	Off / On (4 zones)
Privacy Masking	Off / On (4 zones rectangle)
Gain Control	Off / Low / Middle / High
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800K° ~ 10,500K°)
Electronic Shutter Speed	1sec ~ 1/12,000sec
Reverse	Off / H-Rev / V-Rev / HV-Rev
Profile	Basic, Day & Night, Backlight, Indoor, User
Remote Control Interface	Coaxial control
Protocol	Coax : NTSC/PAL - Samsung CCVC, Pelco-C (Coaxitron), AHD - ACP (AHD Coax Protocol)
IR Distance	20m (65.62ft)
Video Transmission Distance	500m (1,640.42ft) (75-5 coaxial cable)
Environmental	
Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH *Start up should be done at above -10°C (+14°F)
Ingress Protection	IP66
Electrical	
Input Voltage / Current	12V DC ±10%
Power Consumption	Max. 4.2W
Mechanical	
Color / Material	Dark gray / Plastic
Dimensions (WxH)	Ø58.6 x 165.2mm (Ø2.31" x 6.5") (Without sunshield)
Weight	208g (0.46 lb)

WiseNet HD+ SCV-6083R

1080p Analog HD Vandal-Resistant IR Dome Camera

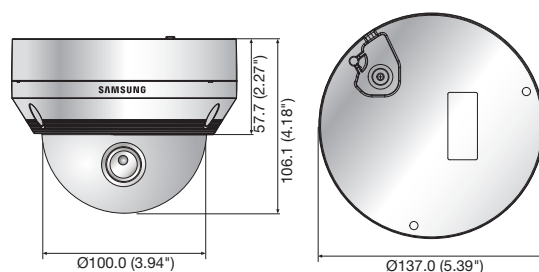


Key Features

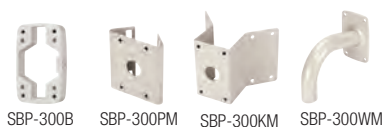
- Full HD (1,920 x 1,080 30fps) resolution
- 0.11Lux@F1.4 (Color), 0Lux@F1.4 (B/W : IR LED on)
- 2.8 ~ 12mm (4.3x) varifocal lens
- Day & Night (ICR), DWDR, SSNRIV, Motion detection
- IR viewable length 30m, IP66, IK10, Dual power
- Transmission distance max. 500m
- Easy installation (Plug & play)

Dimensions

Unit : mm (inch)



Accessories (Optional)



SCV-6083RN/P

Video	
Imaging Device	1/2.9" 2M CMOS
Total Pixels	2,000(H) x 1,121(V) 2.24M pixels
Effective Pixels	1,984(H) x 1,105(V) 2.19M pixels
Scanning System	Progressive scan
Min. Illumination	Color : 0.11Lux (F1.4) B/W : 0Lux (IR LED on)
S / N Ratio	52dB (AGC off, Weight on)
Video Output	BNC (AHD, CVBS selectable)
Resolution	1920 x 1080
Max. Framerate	30fps@1080p, 30fps@720p
Lens	
Focal Length (Zoom Ratio)	2.8 ~ 12mm (4.3x) varifocal
Max. Aperture Ratio	F1.4
Angular Field of View	H : 103.8°(Wide) ~ 32.4°(Tele) / V : 53.7°(Wide) ~ 18.4°(Tele) / D : 121.9°(Wide) ~ 37.1°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Lens Type	DC auto iris
Mount Type	Board-in type
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0° ~ 350° / 0° ~ 67° / 0° ~ 355°
Operational	
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean, German, Italian, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish
Camera Title	Off / On (Displayed 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / User BLC / HLC
Wide Dynamic Range	DWDR
Digital Noise Reduction	SSNRIV (Off / On)
Defog	Off / Auto / Manual
Motion Detection	Off / On (4 zones)
Privacy Masking	Off / On (4 zones rectangle)
Gain Control	Off / Low / Middle / High / Very high
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800K° ~ 10,500K°)
Electronic Shutter Speed	1sec ~ 1/12,000sec
Reverse	Off / H-Rev / V-Rev / HV-Rev
Profile	Basic, Day & Night, Backlight, Indoor, User, ITS
Alarm	(MD) output 1
Remote Control Interface	Coaxial control
Protocol	Coax : NTSC/PAL - Samsung CCVC, Pelco-C (Coaxitron), AHD - ACP (AHD Coax Protocol)
IR Distance	30m (98.43ft)
Video Transmission Distance	500m (1,640.42ft) (75-5 coaxial cable)
Environmental	
Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH *Start up should be done at above -10°C (+14°F)
Ingress Protection	IP66
Vandal Resistance	IK10
Electrical	
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)
Power Consumption	Max. 4.2W
Mechanical	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø137.0 x 106.1mm (Ø5.39" x 4.18")
Weight	716g (1.58 lb)

WiseNet HD+ SCV-6023R

1080p Analogue HD Vandal-Resistant IR Dome Camera

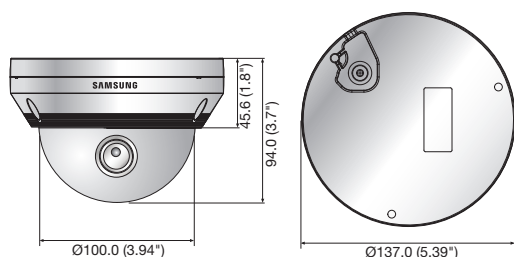


Key Features

- Full HD (1,920 x 1,080 30fps) resolution
- 0.15Lux@F2.1 (Color), 0Lux@F2.1 (B/W : IR LED on)
- Built-in 4mm fixed lens
- Day & Night (ICR), DWDR, SSNRIV, Motion detection
- IR viewable length 20m, IP66, IK10
- Transmission distance max. 500m
- Easy installation (Plug & play)

Dimensions

Unit : mm (inch)



Accessories (Optional)



SCV-6023RN/P

Video	
Imaging Device	1/2.9" 2M CMOS
Total Pixels	2,000(H) x 1,121(V) 2.24M pixels
Effective Pixels	1,984(H) x 1,105(V) 2.19M pixels
Scanning System	Progressive scan
Min. Illumination	Color : 0.15Lux (F2.1) B/W : 0Lux (IR LED on)
S / N Ratio	52dB (AGC off, Weight on)
Video Output	BNC (AHD, CVBS selectable)
Resolution	1920 x 1080
Max. Framerate	30fps@1080p, 30fps@720p
Lens	
Focal Length (Zoom Ratio)	4mm fixed
Max. Aperture Ratio	F2.1
Angular Field of View	H : 72.2° / V : 52.9° / D : 94.3°
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Lens Type	Fixed
Mount Type	Board-in type
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0° ~ 350° / 0° ~ 67° / 0° ~ 355°
Operational	
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean, German, Italian, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish
Camera Title	Off / On (Displayed 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / User BLC / HLC
Wide Dynamic Range	DWDR
Digital Noise Reduction	SSNRIV (Off / On)
Defog	Off / Auto / Manual
Motion Detection	Off / On (4 zones)
Privacy Masking	Off / On (4 zones rectangle)
Gain Control	Off / Low / Middle / High
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800K° ~ 10,500K°)
Electronic Shutter Speed	1sec ~ 1/12,000sec
Reverse	Off / H-Rev / V-Rev / HV-Rev
Profile	Basic, Day & Night, Backlight, Indoor, User
Remote Control Interface	Coaxial control
Protocol	Coax : NTSC/PAL - Samsung CCVC, Pelco-C (Coaxitron), AHD - ACP (AHD Coax Protocol)
IR Distance	20m (65.62ft)
Video Transmission Distance	500m (1,640.42ft) (75-5 coaxial cable)
Environmental	
Operating Temperature / Humidity	-30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH *Start up should be done at above -10°C (+14°F)
Ingress Protection	IP66
Vandal Resistance	IK10
Electrical	
Input Voltage / Current	12V DC ±10%
Power Consumption	Max. 4.2W
Mechanical	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø137.0 x 94.0mm (Ø5.39" x 3.7")
Weight	560g (1.23 lb)

WiseNet HD+ SCD-6083R

1080p Analogue HD IR Dome Camera

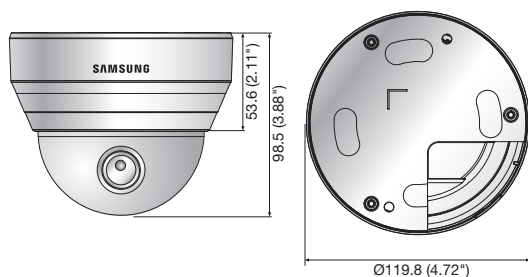


Key Features

- Full HD (1,920 x 1,080 30fps) resolution
- 0.11Lux@F1.4 (Color), 0Lux@F1.4 (B/W : IR LED on)
- 2.8 ~ 12mm (4.3x) varifocal lens
- Day & Night (ICR), DWDR, SSNRIV, Motion detection
- IR viewable length 20m, Dual power
- Transmission distance max. 500m
- Easy installation (Plug & play)

Dimensions

Unit : mm (inch)



Accessories (Optional)



SCD-6083RN/P

Video	
Imaging Device	1/2.9" 2M CMOS
Total Pixels	2,000(H) x 1,121(V) 2.24M pixels
Effective Pixels	1,984(H) x 1,105(V) 2.19M pixels
Scanning System	Progressive scan
Min. Illumination	Color : 0.11Lux (F1.4) B/W : 0Lux (IR LED on)
S / N Ratio	52dB (AGC off, Weight on)
Video Output	BNC (AHD, CVBS selectable)
Resolution	1920 x 1080
Max. Framerate	30fps@1080p, 30fps@720p
Lens	
Focal Length (Zoom Ratio)	2.8 ~ 12mm (4.3x) varifocal
Max. Aperture Ratio	F1.4
Angular Field of View	H : 103.8°(Wide) ~ 32.4°(Tele) / V : 53.7°(Wide) ~ 18.4°(Tele) / D : 121.9°(Wide) ~ 37.1°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Lens Type	DC auto iris
Mount Type	Board-in type
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0° ~ 350° / 0° ~ 67° / 0° ~ 355°
Operational	
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean, German, Italian, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish
Camera Title	Off / On (Displayed 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / User BLC / HLC
Wide Dynamic Range	DWDR
Digital Noise Reduction	SSNRIV (Off / On)
Defog	Off / Auto / Manual
Motion Detection	Off / On (4 zones)
Privacy Masking	Off / On (4 zones rectangle)
Gain Control	Off / Low / Middle / High / Very high
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800K° ~ 10,500K°)
Electronic Shutter Speed	1sec ~ 1/12,000sec
Reverse	Off / H-Rev / V-Rev / HV-Rev
Profile	Basic, Day & Night, Backlight, Indoor, User, ITS
Alarm	(MD) output 1
Remote Control Interface	Coaxial control
Protocol	Coax : NTSC/PAL - Samsung CCVC, Pelco-C (Coaxitron), AHD - ACP (AHD Coax Protocol)
IR Distance	20m (65.62ft)
Video Transmission Distance	500m (1,640.42ft) (75-5 coaxial cable)
Environmental	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Electrical	
Input Voltage / Current	Dual (24V AC & 12V DC ±10%)
Power Consumption	Max. 4.2W
Mechanical	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø119.8 x 98.5mm (Ø4.72" x 3.88")
Weight	304g (0.67 lb)

WiseNet HD+ SCD-6023R

1080p Analogue HD IR Dome Camera

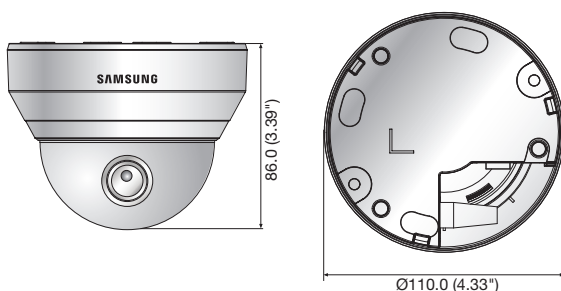


Key Features

- Full HD (1,920 x 1,080 30fps) resolution
- 0.15Lux@F2.1 (Color), 0Lux@F2.1 (B/W : IR LED on)
- Built-in 4mm fixed lens
- Day & Night (ICR), DWDR, SSNRIV, Motion detection
- IR viewable length 20m
- Transmission distance max. 500m
- Easy installation (Plug & play)

Dimensions

Unit : mm (inch)



Accessories (Optional)



SBP-300HM7 SBP-300LM SBP-300CM SBP-300WM1 SBP-300WM SBP-300B

SCD-6023RN/P

Video	
Imaging Device	1/2.9" 2M CMOS
Total Pixels	2,000(H) x 1,121(V) 2.24M pixels
Effective Pixels	1,984(H) x 1,105(V) 2.19M pixels
Scanning System	Progressive scan
Min. Illumination	Color : 0.15Lux (F2.1) B/W : 0Lux (IR LED on)
S / N Ratio	52dB (AGC off, Weight on)
Video Output	BNC (AHD, CVBS selectable)
Resolution	1920 x 1080
Max. Framerate	30fps@1080p, 30fps@720p
Lens	
Focal Length (Zoom Ratio)	4mm fixed
Max. Aperture Ratio	F2.1
Angular Field of View	H : 72.2° / V : 52.9° / D : 94.3°
Min. Object Distance	0.5m (1.64ft)
Focus Control	Manual
Lens Type	Fixed
Mount Type	Board-in type
Pan / Tilt / Rotate	
Pan / Tilt / Rotate Range	0° ~ 350° / 0° ~ 67° / 0° ~ 355°
Operational	
On Screen Display	English, Japanese, Spanish, French, Portuguese, Korean, German, Italian, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish
Camera Title	Off / On (Displayed 15 characters)
Day & Night	Auto (ICR) / Color / B/W
Backlight Compensation	Off / User BLC / HLC
Wide Dynamic Range	DWDR
Digital Noise Reduction	SSNRIV (Off / On)
Defog	Off / Auto / Manual
Motion Detection	Off / On (4 zones)
Privacy Masking	Off / On (4 zones rectangle)
Gain Control	Off / Low / Middle / High
White Balance	ATW / Outdoor / Indoor / Manual / AWC (1,800K ~ 10,500K)
Electronic Shutter Speed	1sec ~ 1/12,000sec
Reverse	Off / H-Rev / V-Rev / HV-Rev
Profile	Basic, Day & Night, Backlight, Indoor, User
Remote Control Interface	Coaxial control
Protocol	Coax : NTSC/PAL - Samsung CCVC, Pelco-C (Coaxitron), AHD - ACP (AHD Coax Protocol)
IR Distance	20m (65.62ft)
Video Transmission Distance	500m (1,640.42ft) (75-5 coaxial cable)
Environmental	
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Electrical	
Input Voltage / Current	12V DC ±10%
Power Consumption	Max. 4.2W
Mechanical	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø110.0 x 86.0mm (Ø4.33" x 3.39")
Weight	242g (0.53 lb)

WiseNet HD+ SRD-1694

16CH 1080p Analogue HD Real-time DVR

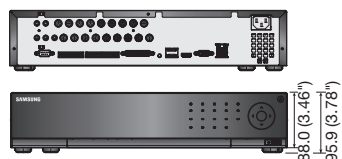
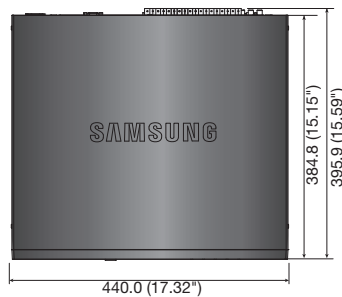


Key Features

- 16CH 1080p real-time DVR
- Up to 480/400(1080p)/fps recording rate
- HDMI / VGA video output
- 16CH audio inputs / 1CH audio output
- Max. 8 internal HDDs
- Coaxial cable (Samsung CCVC, Pelco-C, ACP)
- Smart phone support (Android / iOS)
- Enhanced network bandwidth up to 64Mbps

Dimensions

Unit : mm (inch)



SRD-1694		
Display		
Video	Inputs	16CH BNC, 1080p / 720p AHD camera, NTSC/PAL
	Resolution	NTSC : 1920 x 1080, 1280 x 720, 960 x 480, 704 x 480 PAL : 1920 x 1080, 1280 x 720, 960 x 576, 704 x 576
Live	Frame Rate	NTSC : 480fps / PAL : 400fps
	Resolution	NTSC : 1920 x 1080, 1280 x 720, 960 x 480, 704 x 480 PAL : 1920 x 1080, 1280 x 720, 960 x 576, 704 x 576
	Multi Screen Display	1 / 4 / 7 / 9 / 13 / 16 / 16A / Sequence / PIP
Performance		
Operating System	Embedded	Linux
	Compression	H.264
Recording	Record Rate	Up to 480fps@1920 x 1080 / Up to 400fps@1920 x 1080 Up to 480fps@1280 x 720 / Up to 400fps@1280 x 720 NTSC : Up to 480fps@960 x 480 / PAL : Up to 400fps@960 x 576 NTSC : Up to 480fps@704 x 480 / PAL : Up to 400fps@704 x 576 NTSC : Up to 480fps@704 x 240 / PAL : Up to 400fps@704 x 288 NTSC : Up to 480fps@352 x 240 / PAL : Up to 400fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm, Tampering (Level 1 ~ 3)
	Overwrite Modes	Continuous
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5, 10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Backup, POS, Motion (*All search include preview function)
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only
Network (IPv4)	Transmission Speed	Option 1) 1M ~ 2M (NTSC : 240fps, PAL : 200fps), 4CIF (NTSC : 480fps, PAL : 400fps) Option 2) 4CIF / 2CIF / CIF (NTSC : 120 / 240 / 480fps, PAL : 100 / 200 / 400fps)
	Bandwidth	Up to 64Mbps
	Bandwidth Control	Selectable
	Stream	H.264 (1080p / 720p / 4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
Smart Phone	Monitoring	SmartViewer, Webviewer, SSM (CMS)
	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 4, Play back 1CH
	Internal HDD	Up to 8 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R/5E)
Storage	USB (Backup)	2 USB ports
	File Format (Backup)	BU (DVR player), EXE (Include player), AVI
	Password Protection	1 Admin, 10 Group, 10 User per 1 group
Security	Data Authentication	Watermark
Interface		
Monitors	VGA	1 VGA (1280 x 720, 1280 x 1024, 1920 x 1080)
	HDMI	1 HDMI (1280 x 720, 1280 x 1024, 1920 x 1080)
	Spot Composite	Digital spot (1CH) *Included OSD on screen, Multi mode support
Audio	Inputs / Output	16CH line in (Built-in 4CH, Option : Audio extension cable) / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 16 inputs (NO/NC) / Terminal 4 relay outputs (NO/NC), Rating : 30V DC / 2A, 250V AC / 0.25A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-232C/RS-485 (Full duplex) for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports
	Application Support	Mouse, Remote controller
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE
	Coax Protocol	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)
General		
Electrical	Input Voltage / Current	100 ~ 240V AC $\pm 10\%$, 50/60Hz, Auto ranging
	Power Consumption	TBD SMPS SPEC : Max. 150W, TBD SET - Max. 30W (1 x 1T HDD)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 384.8mm (17.32" x 3.46" x 15.15")
	Weight (With hard disks)	TBD Approx. 6.96Kg (15.31 lb)
	Rack Mount Kit	2ea
Language		English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Rumania, Serbia, Croatia, Hungary, Greek, Finnish, Norwegian, Korean, Japanese, Chinese (Traditional), Thai, Taiwanese (25 Language)

* The latest product information / specification can be found at www.samsung-security.eu

WiseNet HD+

SRD-894

8CH 1080p Analogue HD Real-time DVR

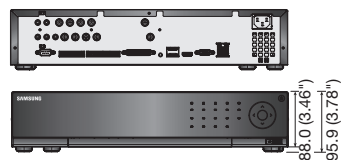
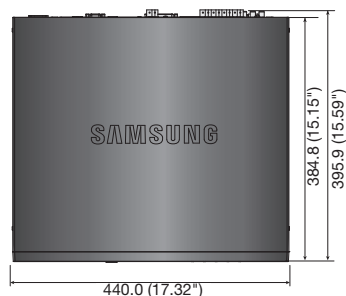


Key Features

- 8CH 1080p real-time DVR
- Up to 240/200(1080p)/fps recording rate
- HDMI / VGA video output
- 8CH audio inputs / 1CH audio output
- Max. 4 internal HDDs
- Coaxial cable (Samsung CCVC, Pelco-C, ACP)
- Smart phone support (Android / iOS)
- Enhanced network bandwidth up to 64Mbps

Dimensions

Unit : mm (inch)



SRD-894		
Display		
Video	Inputs	8CH BNC, 1080p / 720p AHD camera, HD-TVI, NTSC/PAL
	Resolution	NTSC : 1920 x 1080, 1280 x 720, 960 x 480, 704 x 480 PAL : 1920 x 1080, 1280 x 720, 960 x 576, 704 x 576
Live	Frame Rate	NTSC : 240fps / PAL : 200fps
	Resolution	NTSC : 1920 x 1080, 1280 x 720, 960 x 480, 704 x 480 PAL : 1920 x 1080, 1280 x 720, 960 x 576, 704 x 576
	Multi Screen Display	1 / 4 / 7 / 9 / Sequence / PIP
Performance		
Operating System	Embedded	Linux
	Compression	H.264
Recording	Record Rate	Up to 240fps@1920 x 1080 / Up to 200fps@1920 x 1080 Up to 240fps@1280 x 720 / Up to 200fps@1280 x 720 NTSC : Up to 240fps@960 x 480 / PAL : Up to 200fps@960 x 576 NTSC : Up to 240fps@704 x 480 / PAL : Up to 200fps@704 x 576 NTSC : Up to 240fps@704 x 240 / PAL : Up to 200fps@704 x 288 NTSC : Up to 240fps@352 x 240 / PAL : Up to 200fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm, Tampering (Level 1 ~ 3)
	Overwrite Modes	Continuous
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5, 10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
	Search Mode	Date/Time, Event, Backup, POS, Motion (*All search include preview function)
Search & Playback	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only
	Transmission Speed	Option 1) 1M ~ 2M (NTSC : 240fps, PAL : 200fps), 4CIF (NTSC : 240fps, PAL : 200fps) Option 2) 4CIF / 2CIF / CIF (NTSC : 120 / 240fps, PAL : 100 / 200fps)
Network (IPv4)	Bandwidth	Up to 64Mbps
	Bandwidth Control	Selectable
	Stream	H.264 (1080p / 720p / 4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
Smart Phone	Monitoring	SmartViewer, Webviewer, SSM (CMS)
	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
	Max. Remote Users	Live 4, Play back 1CH
Storage	Internal HDD	Up to 4 SATA HDDs
	External (e-SATA Interface)	Up to 2 expansion bay (*Model : SVS-5R/5E)
	USB (Backup)	2 USB ports
	File Format (Backup)	BU (DVR player), EXE (Include player), AVI
Security	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
Interface		
Monitors	VGA	1 VGA (1280 x 720, 1280 x 1024, 1920 x 1080)
	HDMI	1 HDMI (1280 x 720, 1280 x 1024, 1920 x 1080)
	Spot Composite	Digital spot (2CH) *Included OSD on screen, Multi mode support
Audio	Inputs / Output	8CH line in (Built-in 4CH, Option : Audio extension cable) / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 8 inputs (NO/NC) / Terminal 4 relay outputs (NO/NC), Rating : 30V DC / 2A, 250V AC / 0.25A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-232/RS-485 (Full duplex) for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports
	Application Support	Mouse, Remote controller
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE
	Coax Protocol	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)
General		
Electrical	Input Voltage / Current	100 ~ 240V AC \pm 10%, 50/60Hz, Auto ranging
	Power Consumption	TBD SMPS SPEC : Max. 150W, TBD SET - Max. 29W (1 x 1T HDD)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	440.0 x 88.0 x 384.8mm (17.32" x 3.46" x 15.15")
	Weight (With hard disks)	Approx. 6.94Kg (15.26 lb)
	Rack Mount Kit	2ea
Language	English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Rumania, Serbia, Croatia, Hungary, Greek, Finnish, Norwegian, Korean, Japanese, Chinese (Traditional), Thai, Taiwanese (25 Language)	

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WiseNet HD+

SRD-494

4CH 1080p Analogue HD Real-time DVR

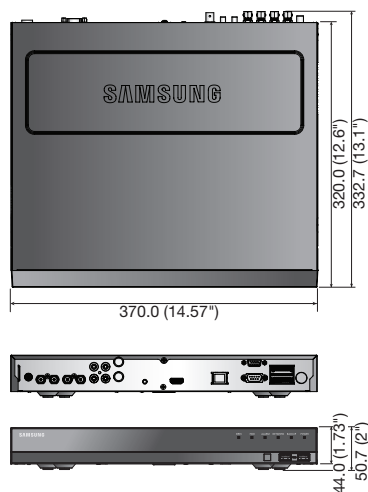


Key Features

- 4CH 1080p real-time DVR
- Up to 120/100(1080p)fps recording rate
- HDMI / VGA video output
- 4CH audio inputs / 1CH audio output
- Max. 2 internal HDDs
- Coaxial cable (Samsung CCVC, Pelco-C, ACP)
- Smart phone support (Android / iOS)
- Enhanced network bandwidth up to 64Mbps

Dimensions

Unit : mm (inch)



SRD-494		
Display		
Video	Inputs	4CH BNC, 1080p / 720p AHD camera, NTSC/PAL
	Resolution	NTSC : 1920 x 1080, 1280 x 720, 960 x 480, 704 x 480 PAL : 1920 x 1080, 1280 x 720, 960 x 576, 704 x 576
Live	Frame Rate	NTSC : 120fps / PAL : 100fps
	Resolution	NTSC : 1920 x 1080, 1280 x 720, 960 x 480, 704 x 480 PAL : 1920 x 1080, 1280 x 720, 960 x 576, 704 x 576
	Multi Screen Display	1 / 4 / PIP
Performance		
Operating System	Embedded	Linux
	Compression	H.264
Recording	Record Rate	Up to 120fps@1920 x 1080 / Up to 100fps@1920 x 1080 Up to 120fps@1280 x 720 / Up to 100fps@1280 x 720 NTSC : Up to 120fps@960 x 480 / PAL : Up to 100fps@960 x 576 NTSC : Up to 120fps@704 x 480 / PAL : Up to 100fps@704 x 576 NTSC : Up to 120fps@704 x 240 / PAL : Up to 100fps@704 x 288 NTSC : Up to 120fps@352 x 240 / PAL : Up to 100fps@352 x 288
	Mode	NTSC : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1~30fps) PAL : Manual, Schedule (Continuous / Event), Event (Pre / Post), Time lapse (1 ~ 25fps)
	Event	Video loss, Motion (Level 1 ~ 10), Alarm, Tampering (Level 1 ~ 3)
	Overwrite Modes	Continuous
	Pre-alarm	Up to 30sec (5, 10, 20, 30sec)
	Post-alarm	Up to 6hour (5,10, 20, 30sec, 1, 3, 5, 10, 20min, 1, 2, 3, 4, 5, 6hour)
Search & Playback	Search Mode	Date/Time, Event, Backup, POS, Motion (*All search include preview function)
	Playback Function	Fast forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only Slow forward / backward (1/2x, 1/4x, 1/8x) Step forward / backward (2x, 4x, 8x, 16x, 32x, 64x) *Backward play with i-frame only
Network (IPv4)	Transmission Speed	Option 1) 1M ~ 2M (NTSC : 120fps, PAL : 100fps), 4CIF (NTSC : 120fps, PAL : 100fps) Option 2) 4CIF / 2CIF / CIF (NTSC : 120fps, PAL : 100fps)
	Bandwidth	Up to 64Mbps
	Bandwidth Control	Selectable
	Stream	H.264 (1080p / 720p / 4CIF / 2CIF / CIF selectable)
	Max. Remote Users	Search 3 / Live unicast 10 / Live multicast 20
	Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP, SNMP
Smart Phone	Monitoring	SmartViewer, Webviewer, SSM (CMS)
	Platform	Android, iOS
	Protocol Support	RTP, RTSP, HTTP, CGI
Storage	Max. Remote Users	Live 4, Play back 1CH
	Internal HDD	Up to 2 SATA HDDs
Security	USB (Backup)	2 USB ports
	File Format (Backup)	BU (DVR player), EXE (Include player), AVI
Interface	Password Protection	1 Admin, 10 Group, 10 User per 1 group
	Data Authentication	Watermark
Monitors	VGA	1 VGA (1280 x 720, 1280 x 1024, 1920 x 1080)
	HDMI	1 HDMI (1280 x 720, 1280 x 1024, 1920 x 1080)
	Spot Composite	Digital spot (2CH) *Includued OSD on screen, Multi mode support
Audio	Inputs / Output	4CH line in / 1CH line out
	Compression	G.711
	Sampling Rate	8KHz
Alarm	Inputs / Output	Terminal 4 inputs (NO/NC) / Terminal 2 relay outputs (NO/NC), Rating : 30V DC / 2A, 250V AC / 0.25A
	Remote Notification	Notification via e-mail
Connections	Ethernet	1 RJ-45 10/100/1000 Base-T
	Serial Interface	RS-232/RS-485 (Full duplex) for PTZ, Samsung system keyboard
	USB	USB 2.0, 2 ports
	Application Support	Mouse, Remote controller
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE
	Coax Protocol	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)
General		
Electrical	Input Voltage / Current	12V DC adaptor, 4A, 100 ~ 240V AC, 50/60Hz, 36watt
	Power Consumption	SET : Max. 13W (1 x 1T HDD)
Environmental	Operating Temperature	+0°C ~ +40°C (+32°F ~ +104°F)
	Operating Humidity	20% ~ 85% RH
Mechanical	Dimensions (WxHxD)	370.0 x 44.0 x 320.0mm (14.57" x 1.73" x 12.6")
	Weight (With hard disks)	Approx. 4.49Kg (9.87 lb)
	Rack Mount Kit	2ea
Language	English, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Netherlands, Portuguese, Swedish, Danish, Rumania, Serbia, Croatia, Hungary, Greek, Finnish, Norwegian, Korean, Japanese, Chinese (Traditional), Thai, Taiwanese (25 Language)	

* The latest product information / specification can be found at www.samsung-security.eu

Product Comparison Chart

WiseNet HD+ Camera



**WiseNet HD+
SCB-6003**



**WiseNet HD+
SCO-6083R**



**WiseNet HD+
SCO-6023R**



**WiseNet HD+
SCD-6083R**



**WiseNet HD+
SCD-6023R**



**WiseNet HD+
SCV-6083R**



**WiseNet HD+
SCV-6023R**

TV Lines / Resolutions		2MP	2MP	2MP	2MP	2MP	2MP	2MP
Video	Imaging Device	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS	1/2.9" 2M CMOS
	Horizontal Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
	Min. Illumination	Color : 0.04Lux B/W : 0.004Lux	Color : 0.11Lux B/W : 0Lux (IR LED on)	Color : 0.15Lux B/W : 0Lux (IR LED on)	Color : 0.11Lux B/W : 0Lux (IR LED on)	Color : 0.15Lux B/W : 0Lux (IR LED on)	Color : 0.11Lux B/W : 0Lux (IR LED on)	Color : 0.15Lux B/W : 0Lux (IR LED on)
	Lens	-	2.8 ~ 12mm (4.3x) V/F (F1.4)	4mm fixed (F 2.1)	2.8 ~ 12mm (4.3x) V/F (F1.4)	4mm fixed (F 2.1)	2.8 ~ 12mm (4.3x) V/F (F1.4)	4mm fixed (F 2.1)
	IR Viewable Length	-	30m (98.43ft)	20m (65.62ft)	20m (65.62ft)	20m (65.62ft)	30m (98.43ft)	20m (65.62ft)
	Angular Field of View	-	H : 103.8°(Wide) ~ 32.4°(Tele) V : 53.7°(Wide) ~ 18.4°(Tele) D : 121.9°(Wide) ~ 37.1°(Tele)	H : 72.2° / V : 52.9° / D : 94.3°	H : 103.8°(Wide) ~ 32.4°(Tele) V : 53.7°(Wide) ~ 18.4°(Tele) D : 121.9°(Wide) ~ 37.1°(Tele)	H : 72.2° / V : 52.9° / D : 94.3°	H : 103.8°(Wide) ~ 32.4°(Tele) V : 53.7°(Wide) ~ 18.4°(Tele) D : 121.9°(Wide) ~ 37.1°(Tele)	H : 72.2° / V : 52.9° / D : 94.3°
	Pan / Tilt / Rotate	-	-	-	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°	0° ~ 350° / 0° ~ 67° / 0° ~ 355°
Operational	Day & Night	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)	True (ICR)
	Backlight Compensation	BLC / DWDR	BLC / DWDR	BLC / DWDR	BLC / DWDR	BLC / DWDR	BLC / DWDR	BLC / DWDR
	Digital Noise Reduction	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV	SSNRIV
	Motion Detection	Support	Support	Support	Support	Support	Support	Support
	Privacy Masking	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones	4 zones
	Intelligent Video Analytics	-	-	-	-	-	-	-
FEATURES	Alarm I/O	0 / 1	0 / 1	-	0 / 1	-	0 / 1	-
	Communication	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol), RS-485	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)
	Environment Protection	-	IP66, IK10	IP66	-	-	IP66, IK10	IP66, IK10
	Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)	-30°C ~ +55°C (-22°F ~ +131°F) *Start up above -10°C (+14°F)
	Power	AC 24V & DC 12V (Max. 3.5W)	AC 24V & DC 12V (Max. 6.0W)	DC 12V (Max. 4.2W)	AC 24V & DC 12V (Max. 4.2W)	DC 12V (Max. 4.2W)	AC 24V & DC 12V (Max. 4.2W)	DC 12V (Max. 4.2W)
	Dimensions (WxHxD) / Weight	68.4 x 59.6 x 92.7mm (2.69" x 2.35" x 3.65") 175.5g (0.39 lb)	Ø78.0 x 260.0mm (3.07" x 10.24") (Without sun shield) 922g (2.03 lb)	Ø58.6 x 165.2mm (Ø2.31" x 6.5") (Without sunshield) 208g (0.46 lb)	Ø119.8 x 98.5mm (Ø4.72" x 3.88") 304g (0.67 lb)	Ø110.0 x 86.0mm (Ø4.33" x 3.39") 242g (0.53 lb)	Ø137.0 x 106.1mm (Ø5.39" x 4.18") 716g (1.58 lb)	Ø137.0 x 94.0mm (Ø5.39" x 3.7") 560g (1.23 lb)
	Additional Features	Defog	Defog	Defog	Defog	Defog	Defog	Defog

WiseNet HD+ DVR



WiseNet HD+
SRD-1694



WiseNet HD+
SRD-894



WiseNet HD+
SRD-494

Channel		16CH	8CH	4CH
OS	Embedded	Linux	Linux	Linux
Live	Frame Rate (NTSC / PAL)	480fps / 400fps	240fps / 200fps	120fps / 100fps
Recording	Max. Record Rate	480fps@1920 x 1080	240fps@1920 x 1080	120fps@1920 x 1080
		400fps@1920 x 1080	200fps@1920 x 1080	100fps@1920 x 1080
	Compression	H.264	H.264	H.264
Video	Inputs	16CH	8CH	4CH
	Loop Outputs	-	-	-
Audio	Inputs	16CH (Built-in 4CH)	8CH (Built-in 4CH)	4CH
Storage	Internal HDD	Up to 8 SATA HDDs	Up to 4 SATA HDDs	Up to 2 SATA HDDs
	External HDD	Up to 2 expansion bays	Up to 2 expansion bays	-
Monitors	VGA	Yes	Yes	Yes
	HDMI	Yes	Yes	Yes
	Main Composite	-	-	-
	Spot Composite	1CH (Digital)	2CH (Digital)	2CH (Digital)
Connections	USB	2 ports	2 ports	2 ports
	e-SATA	2 External SATA ports	2 External SATA ports	-
	DVD Writer (Backup)	-	-	-
	Mouse	Yes	Yes	Yes
Network	Remote Users	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20	Search 3 / Live unicast 10 / Live multicast 20
	Transmission	1080p, 720p, 4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF	1080p, 720p, 4CIF, 2CIF, CIF
	Monitoring	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM	SmartViewer, Webviewer, SSM
PTZ Control	Coax Protocol	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)	NTSC/PAL : Samsung CCVC, Pelco-C (Coaxitron) AHD : ACP (AHD Coax Protocol)
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE	Samsung-T/E, Pelco-D/P, Panasonic, Phillips, AD, DIAMOND, ERNA, KALATEL, VCL TP, VICON, ELMO, GE

Handwriting practice lines consisting of multiple sets of three horizontal lines (top solid, middle dashed, bottom solid) for letter formation.

Handwriting practice lines consisting of multiple sets of three horizontal lines (top solid, middle dashed, bottom solid) for letter formation.