



**Standard Box camera
with C/CS lens mount**

• Features:

- 1/3 inch Sony Colour CCD
- C/CS lens mount
- Auto white balance
- PAL/NTSC

• Technical Specification

Model	SS 984D	SS 987D
Number of Pixels	PAL: 500(H)×582(V) NTSC: 510(H)×492(V)	PAL: 752(H)×582(V) NTSC: 768(H)×492(V)
Pick up Element	1/3 inch Sony CCD	
Horizontal Resolution	420TVLine	480TVLine
Lens	C/CS lens mount	
Minimum illumination	0.1 Lux/F1.2	0.01Lux/F1.2
Backlight compensation	Auto	
Electronic shutter	1/50(1/60) to 1/100,000 sec	
AGC	Auto	
S/N ratio	>48dB	
Gamma correction	>0.45	
Sync system	Internal	
Video output	1.0Vp-p /75Ω	
Audio	N/A	
Power Consumption	DC12V, 300mA	
Operating temperature	-20°C to 50°C	



Indoor Dome Camera

• Features:

- 1/3 inch Sony Colour CCD
- Built in 3.6 mm board lens
- Auto white balance
- PAL/NTSC

• Technical Specification

Model	SS 858	SS 860
Number of Pixels	PAL: 500(H)×582(V) NTSC: 510(H)×492(V)	PAL: 752(H)×582(V) NTSC: 768(H)×492(V)
Pick up Element	1/3 inch Sony CCD	
Horizontal Resolution	420TVLine	540TVLine
Lens	Built in 3.6 mm;(6,8,12 mm optional)	
Minimum illumination	0.5 Lux/F1.2	
Backlight compensation	Auto	
Electronic shutter	1/50(1/60) to 1/100,000 sec	
AGC	Auto	
S/N ratio	>48dB	
Gamma correction	>0.45	
Sync system	Internal	
Video output	1.0Vp-p/75Ω	
Audio	Optional	
Power Consumption	DC12V, 250mA	
Operating temperature	-20°C to 50°C	



**Indoor Dome Camera
with IR**

• Features:

- 1/3 inch Sony Colour CCD
- Built in 3.6 mm board lens
- Inbuilt IR LED
- Auto white balance
- PAL/NTSC

• Technical Specification

Model	SS R858
Number of Pixels	PAL: 500(H)×582(V) NTSC: 510(H)×492(V)
Pick up Element	1/3 inch Sony CCD
Horizontal Resolution	420TVLine
Lens	Built in 3.6 mm: (6.8, 12 mm optional)
Minimum illumination	0.0 Lux/F1.2(B/W)
Backlight compensation	Auto
Electronic shutter	1/50(1/60) to 1/100,000 sec
AGC	Auto
S/N ratio	>48dB
Gamma correction	>0.45
Sync system	Internal
Video output	1.0Vp-p /75Ω
Audio	Optional
IR Distance	10m
Power Consumption	DC12V, 350mA
Operating temperature	-20°C to 50°C



**Indoor Dome camera
with C/CS lens mount**

• Features:

- 1/3 inch Sony Colour CCD
- C/CS lens mount
- Auto white balance
- PAL/NTSC

• Technical Specification

Model	SS 887	SS 888
Number of Pixels	PAL: 500(H)×582(V) NTSC: 510(H)×492(V)	
Pick up Element	1/3 inch Sony CCD	
Horizontal Resolution	420TVLine	480TVLine
Lens	C/CS Lens mount	
Minimum illumination	0.5 Lux/F1.2	
Backlight compensation	Auto	
Electronic shutter	1/50(1/60) to 1/100,000 sec	
AGC	Auto	
S/N ratio	>48dB	
Gamma correction	>0.45	
Sync system	Internal	
Video output	1.0Vp-p /75Ω	
Audio	Optional	
Power Consumption	DC12V, 250mA	
Operating temperature	-20°C to 50°C	



• Features:

- 1/3 inch Sony Colour CCD
- 16 mm board lens
- Inbuilt IR LED
- Auto white balance
- PAL/NTSC

Weather proof IR camera
with fixed lens

• Technical Specification

Model	SS 668	SS 669
Number of Pixels	PAL: 500(H)×582(V) NTSC: 510(H)×492(V)	PAL: 752(H)×582(V) NTSC: 768(H)×492(V)
Pick up Element	1/3 inch Sony CCD	
Horizontal Resolution	420TVLine	540TVLine
Lens	built in 16 mm	
Minimum illumination	0.0 Lux/F1.2 (B/W)	
Backlight compensation	Auto	
Electronic shutter	1/50(1/60) to 1/100,000 sec	
AGC	Auto	
S/N ratio	>48dB	
Gamma correction	>0.45	
Sync system	Internal	
Video output	1.0Vp-p /75Ω	
Audio	N/A	
IR Distance	up to 50m	
Power Consumption	DC12V, 350mA	
Operating temperature	-20°C to 50°C	



• Features:

- 1/3 inch Sony Colour CCD
- 3.6/6 mm board lens
- Inbuilt IR LED
- Auto white balance
- PAL/NTSC

Weather proof IR camera
with fixed lens

• Technical Specification

Model	SS 649	SS 659	SS 660
Number of Pixels	PAL: 500(H)x582(V) NTSC: 510(H)x492(V)		PAL: 752(H)x582(V) NTSC: 768(H)x492(V)
Pick up Element	1/3 inch Sony CCD		
Horizontal Resolution	420TVLine		540TVLine
Lens	Built in 3.6 mm	Built in 6 mm	
Minimum illumination	0.0 Lux/F1.2(B/W)		
Backlight compensation	Auto		
Electronic shutter	1/50(1/60) -1/100,000 sec		
AGC	Auto		
S/N ratio	>48dB		
Gamma correction	>0.45		
Sync system	Internal		
Video output	1.0Vp-p/75 Ω		
Audio	N/A		
IR Distance	up to 15m	up to 30 m	
Power Consumption	DC12V, 350mA		
Operating temperature	-20°C to 50°C		



**Weather proof IR Dome
camera with varifocal lens**

• Features:

- 1/3 inch Sony Colour CCD
- 4 - 9 / 9 – 15 mm varifocal lens
- Focal length adjustable from outside
- Inbuilt IR LED
- Auto white balance
- PAL/NTSC

• Technical Specification

Model	SSR 760A	SSR 518A	SSR 758A	SSR 516A
Number of Pixels	PAL: 752(H)×582(V) NTSC:768(H)×492(V)		PAL: 500(H)×582(V) NTSC:510(H)×492(V)	
Pick up Element	1/3 inch Sony CCD			
Horizontal Resolution	540TVLine		420TVLine	
Lens	4-9 mm varifocal lens	9-15 mm varifocal lens	4-9 mm varifocal lens	9-15 mm varifocal lens
Minimum illumination	0.0 Lux/F1.2(B/W)			
Backlight compensation	Auto			
Electronic shutter	1/50(1/60) to 1/100,000 sec			
AGC	Auto			
S/N ratio	>48dB			
Gamma correction	>0.45			
Sync system	Internal			
Video output	1.0Vp-p /75Ω			
Audio	N/A			
IR Distance	40m in open area	50m in open area	40m in open area	50m in open area
Power Consumption	DC12V, 350mA			
Operating temperature	-20℃ to 50℃			



**Weather proof IR camera
with varifocal lens**

• Features:

- 1/3 inch Sony Colour CCD
- 4 - 9 / 9 – 15 mm varifocal lens
- Focal length adjustable from outside
- Inbuilt IR LED
- Cable out of the bracket design
- Auto white balance
- PAL/NTSC

• Technical Specification

Model	SSR 723	SSR 722	SSR 733	SSR 735
Number of Pixels	PAL: 500(H)×582(V) NTSC:510(H)×492(V)		PAL: 752(H)×582(V) NTSC:768(H)×492(V)	
Pick up Element	1/3 inch Sony CCD			
Horizontal Resolution	420TVLine		480TVLine	
Lens	4-9 mm varifocal lens	9-15 mm varifocal lens	4-9 mm varifocal lens	9-15 mm varifocal lens
Minimum illumination	0.0 Lux/F1.2(B/W)			
Backlight compensation	Auto			
Electronic shutter	1/50(1/60) to 1/100,000 sec			
AGC	Auto			
S/N ratio	>48dB			
Gamma correction	>0.45			
Sync system	Internal			
Video output	1.0Vp-p /75Ω			
Audio	N/A			
IR Distance	40m in open area	50m in open area	60m in open area	70m in open area
Power Consumption	DC12V, 350mA			
Operating temperature	-20℃ to 50℃			



**Indoor camera
with varifocal lens**

• Features:

- 1/3 inch Sony Colour CCD
- 3.5 to 8 mm varifocal lens
- Auto white balance
- PAL/NTSC

• Technical Specification

Model	SS 2018	SS 2019
Number of Pixels	PAL: 500(H)×582(V) NTSC: 510(H)×492(V)	PAL: 752(H)×582(V) NTSC: 768(H)×492(V)
Pick up Element	1/3 inch Sony CCD	
Horizontal Resolution	420TVLine	540TVLine
Lens	3.5 to 8mm	
Minimum illumination	0.8 Lux/F1.2	
Backlight compensation	Auto	
Electronic shutter	1/50(1/60) to 1/100,000 sec	
AGC	Auto	
S/N ratio	>48dB	
Gamma correction	>0.45	
Sync system	Internal	
Video output	1.0Vp-p /75Ω	
Audio	N/A	
Power Consumption	DC12V, 250mA	
Operating temperature	-20°C to 50°C	



**Indoor camera
with Auto zoom**

• Features:

- 1/4" SONY Super HAD CCD
- Built-in Auto Focus / Auto Iris
- 22x Optical and 10x digital Zoom Lens
- OSD (On Screen Display)
- RS-485 (Pelco-D) and PTZ Controller Interface
- PAL/NTSC

• Technical Specification

Model	SS 2212	SS 2212DN	SS 2213	SS 2213DN
Number of Pixels	PAL: 500(H)×582(V) NTSC: 510(H)×492(V)		PAL: 752(H)×582(V) NTSC: 768(H)×492(V)	
Pick up Element	1/4" SONY Super HAD CCD			
Horizontal Resolution	420TVLine		480TVLine	
Lens	22x Optical Zoom (F 1.6, f=3.9 ~ 85.8mm) Video AF			
Minimum illumination	1.0 Lux/F1.2 (Day)	1.0 Lux/F1.2 (Day) 0.5 Lux/F1.2 (Night)	0.5 Lux/F1.2	0.5 Lux/F1.2(Day) 0.01 Lux/F1.2 (Night)
Backlight compensation	on/off (optional)			
Electronic shutter	1/50(1/60) to 1/100,000 sec			
AGC	on/off (optional)			
S/N ratio	>48dB(AGC off)			
Gamma correction	>0.45			
Sync system	Internal			
Video output	1.0Vp-p/75Ω			
Audio	N/A			
Power Consumption	DC12V, 450mA			
Operating temperature	-20℃ to 50℃			



Covert / Mini Camera

• Features:

- 1/3 inch Sony Colour CCD
- Auto white balance
- PAL/NTSC



• Technical Specification

Model	SSC33	SS589
Number of Pixels	PAL: 500(H)×582(V) NTSC:510(H)×492(V)	
Horizontal Resolution	420TV Line	
Minimum illumination	0.8 Lux/F1.2	
Lens	Built in 3.7 mm pinhole lens	Built in 3.6 mm board lens
Backlight compensation	Auto	
Electronic shutter	1/50(1/60) to 1/100,000 sec	
AGC	Auto	
S/N ratio	>48dB	
Gamma correction	>0.45	
Sync system	Internal	
Video output	1.0Vp-p /75Ω	
Audio	Optional	
Power Consumption	DC12V, 250mA	
Operating temperature	-20°C to 50°C	



Weatherproof day & night camera with auto zoom

• Features:

- 1/4" SONY Super HAD CCD
- Built-in Auto Focus / Auto Iris
- OSD (On Screen Display)
- Inbuilt IR LED for Day & Night operation
- RS-485 (Pelco-D) and PTZ Controller Interface
- PAL/NTSC



• Technical Specification

Model	SS738	SS680
Number of Pixels	PAL: 500(H)×582(V) NTSC:510(H)×492(V)	
Horizontal Resolution	480TV Line	
Minimum illumination	0.0 Lux/F1.2 (B/W)	
Digital Zoom Ratio	10x (Total Zoom Ratio: 220x), 2x ~ 10x Variable	
Lens	22x Optical Zoom, Video AF	27x Optical Zoom, Video AF
Focus Mode	Auto/Manual	
Backlight compensation	ON/OFF(Optional)	
Electronic shutter	1/50(1/60) to 1/100,000 sec	
AGC	ON/OFF(Optional)	
S/N ratio	More than 48dB (AGC off)	
Gamma correction	>0.45	
Sync system	Internal	
Video output	1.0Vp-p /75Ω	
Audio	N/A	
IR view distance	Upto 120 m	Upto 50 m
Input/Output Connector	Control: 5 Pin Terminal, Power: 2 Pin Terminal, Video: BNC	
Power Consumption	DC12V, 750mA	
Operating temperature	-20°C to 50°C	



Auto Iris
Varifocal Lens(DC Drive)



Auto Iris Fixed Lens



Auto Iris Fixed Lens (DC Drive)



Manual Iris Varifocal Lens



Manual Iris Fixed Lens

Model:	Auto Iris Varifocal Lens(DC Drive)
SSV01634GNB	1.6~3.4mm 1/3" CS F1.4 175°~84° DC manual zoom
SSV02510GNB	2.5~10mm 1/3" CS F1.4 105°~33° DC manual zoom
SSV02810GNB	2.8~10mm 1/3" CS F1.4 101°~33° DC manual zoom
SSV02812GNB	2.8~12mm 1/3" CS F1.4 101°~28° DC manual zoom
SSV0358GNB	3.5~8.0mm 1/3" CS F1.4 82°~34° DC manual zoom
SSV0616GNB	6.0~15mm 1/3" CS F1.4 48°~19° DC manual zoom
SSV1230GNB	12~30mm 1/3" CS F1.6 22°~11° DC manual zoom
SSV5533GNB	5.5~33mm 1/3" CS F2.0 61°~10° DC manual zoom
SSV05050GNB	5.0~50mm 1/3" CS F1.6 55°~8° DC manual zoom
SSV06060GNB	6.0~60mm 1/3" CS F1.6 51°~6° DC manual zoom
SSV05100GN	5.0~100mm 1/3" CS F1.8 55°~3° DC manual zoom

Model:	Manual Iris Varifocal Lens
SSV01634	1.6~3.4mm 1/3" CS F1.4 175°~84° manual 3varifocal
SSV02510	2.5~10mm 1/3" CS F1.4 105°~33° manual 3varifocal
SSV02810	2.8~10mm 1/3" CS F1.4 101°~33° manual 3varifocal
SSV02812	2.8~12mm 1/3" CS F1.4 101°~28° manual 3varifocal
SSV0358	3.5~8.0mm 1/3" CS F1.4 82°~34° manual 3varifocal
SSV0615	6.0~15mm 1/3" CS F1.4 48°~19° manual 3varifocal
SSV1230	12~30mm 1/3" CS F1.6 22°~11° manual 3varifocal
SSV5533	5.5~33mm 1/3" CS F2.0 61°~10° manual 3varifocal
SSV06036	6.0~36mm 1/3" CS F1.6 51°~8° manual 3varifocal
SSV05050	5.0~50mm 1/3" CS F1.6 55°~8° manual 3varifocal
SSV06060	6.0~60mm 1/3" CS F1.6 51°~6° manual 3varifocal
SSV05100	5.0~100mm 1/3" CS F1.8 55°~3° manual 3varifocal

Model:	Manual Iris Fixed Lens
SSE0284	2.8mm 1/3" CS F1.4 110° manual Iris
SSE0412	4.0mm 1/3" CS F1.2 71° manual Iris
SSE0612	6.0mm 1/3" CS F1.2 48° manual Iris
SSE0812	8.0mm 1/3" CS F1.2 37° manual Iris
SSE1212	12mm 1/3" CS F1.2 29° manual Iris
SSE1612	16mm 1/3" CS F1.6 20° manual Iris
SSE2514	25mm 1/3" CS F1.4 15° manual Iris
SSE3518	35mm 1/3" CS F1.8 13° manual Iris
SSE5018	50mm 1/3" CS F1.8 8° manual Iris

Model:	Auto Iris Fixed Lens (DC Drive)
SSG0284NB	2.8mm 1/3" CS F1.4 110° DC auto Iris
SSG0412NB	4.0mm 1/3" CS F1.2 71° DC auto Iris
SSG0612NB	6.0mm 1/3" CS F1.2 48° DC auto Iris
SSG0812NB	8.0mm 1/3" CS F1.2 37° DC auto Iris
SSG1612NB	16mm 1/3" CS F1.6 20° DC auto Iris
SSG1212NB	12mm 1/3" CS F1.2 29° DC auto Iris
SSG2514NB	25mm 1/3" CS F1.4 15° DC auto Iris
SSG3514NB	35mm 1/3" CS F1.8 13° DC auto Iris

Model:	Auto Iris Fixed Lens
SSE0254NI	2.5 mm 1/3" CS F2.0 130° auto iris
SSE0284NI	2.8 mm 1/3" CS F2.0 110° auto iris
SSE0412NI	4.0 mm 1/3" CS F2.0 76° auto iris
SSE0612NI	6.0 mm 1/3" CS F2.0 51° auto iris
SSE0812NI	8.0 mm 1/3" CS F2.0 42° auto iris
SSE1212NI	12 mm 1/3" CS F2.0 29° auto iris
SSE1612NI	16 mm 1/3" CS F2.0 21° auto iris

• Technical Specification



Outdoor Mount

Indoor Mount

• Highlighting Features

- **3D Intelligent Positioning:** With our DVRs, you can use the mouse and touch panel to trace the object easily.
- **Remote Upgrade:** Through RS485 to firmware can be upgraded remotely, there is no need to dismantle the domes.
- **Alarm Relay Action:** Alarm triggers PTZ movements, including presets, scan line, tour line, or pattern line.
- **Cameras with High Definition and Powerful Performance:** Built-in high performance cameras can monitor the object in all weather conditions.
- **Backlight Compensation:** Auto BLC function adjust image brightness automatically to get clear images and help overcome strong background light.
- **Dynamic Window Blanking:** The blocking of specific areas, such as open windows - is increasingly required to satisfy privacy issues. This camera supports to define up to 8, four-sided polygons, with sides of any length, and turn on the blanking at specific zoom ratios.

Model	SS60C01 SS61C01	SS60C03 SS61C03	SS60C04 SS61C04	SS60C06 SS61C06
Signal Format	NTSC / PAL			
Image Sensor	1/4-type EXview HAD CCD			
Effective Picture Elements	NTSC: Approx. 380,000 pixels; PAL: Approx. 440,000 pixels			
Horizontal Resolution	480 TV lines			
Image Resolution	PAL:704*576, NTSC:704*480			
Lens	F=4.1mm(WIDE) ~73.8 mm(TELE)	F=4.1mm(WIDE) ~73.8 mm(TELE)	F=3.5mm(WIDE) ~91.0 mm(TELE)	F=3.4mm(WIDE) ~122.4 mm(TELE)
Optic Zoom	18x	18x	26x	36x
Digital Zoom	12x (216x with optical zoom)	12x (216x with optical zoom)	12x (312x with optical zoom)	12x (432x with optical zoom)
Minimum Illumination	Color≤1.0Lux B/W: NA	Color≤0.7Lux B/W≤0.001Lux	Color≤0.7Lux B/W≤0.001Lux	Color≤0.1Lux B/W≤0.001Lux
Pan/Tilt Range	Horizontal: 0°~360° (continuous pan rotation) Vertical: -2°~92° (auto flip dome rotation)			
Manual Control Speed	Horizontal: 0.1°~180°/s ; Vertical :0.1°~90°/s			
Preset Speed	300°/s			
Preset Positions	128			
Privacy Zone Masking	8 Zones			
Alarm Input/Output	2 Channel Inputs; 1 Channel Output			
Baud Rate	1200bps / 2400bps / 4800bps / 9600bps			
Additional Option	3D Intelligent Positioning (working with Simoco DVRs)			
Day/Night Mode	Not Available	Auto/Manual		
S/N Ratio	> 50 dB			
Shutter Speed	1/1~1/10,000s			
White Balance	Auto / Manual			
Gain Control	Auto / Manual			
Backlight Compensation	On/Off			
Video Output	1.0VP-P			
IP Protection	IP67			
Working Temperature	-40°C~60°C , 10% ~ 90% RH			
Power Requirement	24 V AC, 15W(for camera), 30W(for heater)			



Outdoor Mount

Indoor Mount

• Highlighting Features

- **Wide Dynamic Range:** Supports 128 x wide dynamic range function that reproduce high-contrast images of the original scene.
- **3D Intelligent Positioning:** With our DVRs, you can use the mouse and touch panel to trace the object easily.
- **Remote Upgrade:** Through RS485 to firmware can be upgraded remotely, there is no need to dismantle the domes.
- **Alarm Relay Action:** Alarm triggers PTZ movements, including presets, scan line, tour line, or pattern line.
- **Cameras with High Definition and Powerful Performance:** Built-in high performance cameras can monitor the object in all weather conditions.
- **Backlight Compensation:** Auto BLC function adjust image brightness automatically to get clear images and help overcome strong background light.
- **Dynamic Window Blanking:** The blocking of specific areas, such as open windows - is increasingly required to satisfy privacy issues. This cameras supports to define up to 8, four-sided polygons, with sides of any length, and turn on the blanking at specific zoom ratios.

• Technical Specification

Model	SSSD60C23-IP SSSD61C23-IP	SSSD60C25-IP SSSD61C25-IP	SSSD60C26-IP SSSD61C26-IP
Signal Format	NTSC / PAL		
Image Sensor	1/4-type EXview HAD CCD		
Effective Picture Elements	NTSC: Approx. 380,000 pixels; PAL: Approx. 440,000 pixels		
Horizontal Resolution	530 TV lines		
Image Resolution	PAL:704*576, NTSC:704*480		
Lens	F=4.1mm(WIDE) ~73.8 mm(TELE)	F=3.5mm(WIDE) ~91.0 mm(TELE)	F=3.4mm(WIDE) ~122.4 mm(TELE)
Optic Zoom	18x	26x	36x
Digital Zoom	12x (216x with optical zoom)	12x (312x with optical zoom)	12x (432x with optical zoom)
Minimum Illumination	Color≤0.7Lux B/W≤0.001Lux	Color≤0.7Lux B/W≤0.001Lux	Color≤0.1Lux B/W≤0.001Lux
Pan/Tilt Range	Horizontal: 0°~360° (continuous pan rotation) Vertical: -2°~92° (auto flip dome rotation)		
Manual Control Speed	Horizontal: 0.1°~180°/s ; Vertical :0.1°~90°/s		
Preset Speed	300°/s		
Preset Positions	128		
Privacy Zone Masking	8 Zones		
Alarm Input/Output	2 Channel Inputs; 1 Channel Output		
Baud Rate	1200bps / 2400bps / 4800bps / 9600bps		
Additional Option	3D Intelligent Positioning (working with Simoco DVRs)		
Day/Night Mode	Auto/Manual		
S/N Ratio	> 50 dB		
Shutter Speed	1/1~1/10,000s		
White Balance	Auto / Manual		
Gain Control	Auto / Manual		
Wide Dynamic Range	On/Off		
Backlight Compensation	On/Off		
Video Output	1.0VP-P		
IP Protection	IP67		
Working Temperature	-40°C~60°C , 10% ~ 90% RH		
Power Requirement	24 V AC, 15W(for camera), 30W(for heater)		



● **Model:** SS 5011

● **Features:**

- Aluminum heavy duty bracket for Outdoor/Indoor use
- Suitable for wall mounting
- Max 60 kg load capacity
- Dimension; 455mm



● **Model:** SS 5020

● **Features:**

- Aluminum bracket for Indoor use
- Suitable for wall/ceiling mounting
- Max 2 kg load capacity
- Dimension; 114mm*85 mm (base)



● **Model:** SS 6002

● **Features:**

- Mounting plate for bracket / PT unit
- Indoor / outdoor use
- Max 5 kg load capacity



● **Model:** SS 6003 (Small)
SS 6004 (Big)

● **Features:**

- Mounting plate for bracket
- Indoor / outdoor use
- Max 5 kg load capacity



● **Model:** SS 5003

● **Features:**

- Aluminum bracket for Outdoor /Indoor use
- Suitable for wall mounting
- Max 8 kg load capacity
- Dimension: 260 mm



● **Model:** SS 5004

● **Features:**

- Aluminum bracket for Indoor use
- Suitable for wall/ceiling mounting
- Max 3 kg load capacity
- Dimension; 280mm*100 mm (base)



● **Model:** SS 5005

● **Features:**

- Aluminum bracket for Indoor use
- Suitable for wall/ceiling mounting
- Max 3 kg load capacity
- Dimension; 191mm*100 mm (base)

Outdoor Pan and Tilt Unit

Simoco's outdoor pan & tilt unit uses high quality magnetic in-phase motors for full scale panning. Made of anti corrosive aluminum alloy material, these units are water proof and resistant to high temperature hence suitable for outdoor use.


SS 301

SS 303

SS 3050D

SS 3050S

Model	SS 301/ SS 303/ SS 301Q/ SS 303Q	SS 3050D/ SS 3050DH	SS 3050S/ SS 3050SH
Power Source	24VAC/230VAC,50Hz		
Dimension	¢ 190mm*275mm(H)	235*181*270(mm)	235*181*270(mm)
Weight	3.7 kg	7.2 kg	7.0 kg
Loading Way	Top Loading		Side Loading
Max Load	25 kg	17 kg	21 kg
Turning Angle	Pan Max : 350° , Tilt: ±35°	Pan max.:350° , Tilt:10°~60°	Pan max :350° , Tilt:0°~90°
Turning Speed	Pan: 9°/s, Tilt: 1°/s	Pan: 4.5°/s, Tilt: 4.5°/s	
Working temperature	-10°C ~ +55°C	-10°C ~ +55°C, -35°C~+55°C (for H models)	
Additional Info	Q models are with inbuilt decoder	H models are with inbuilt heater for low temp operation	

Essential accessories : Pan / Tilt controller or decoder unit (Except 'Q' model)

Indoor Pan and Tilt Unit

Simoco indoor pan & tilt units are made of high grade ABS plastic. These units' uses high quality magnetic in-phase motors hence are suitable for continuous panning operation.



SS 302



SS 3030C



SS 3030W



SS 306



SS 306L

Model	SS 302		SS 3030C	SS 3030W	SS 306	SS 306L
Power Source	24VAC/230VAC,50Hz					AC:24V 50/60Hz
Dimension	ϕ 115mm*185 mm(H)	264mm*114mm*185mm(H)		ϕ 130mm* ϕ 180mm*210mm(H)	ϕ 119mm*115mm(H)	ϕ 65mm*65mm(H)
Weight	0.48 kg			0.9 kg	0.9 kg	0.2 kg
Loading Way	Top Loading					
Max Load	Pan: 7kg Tilt: 4 kg				Pan 7 kg	Pan 2 kg
Turning Angle	Pan Max :350° Tilt:±45°	Pan Max :350° Tilt:-5~+50°			Pan Max :350° Tilt:±90 (manually)	
Turning Speed	Pan: 4.3°/s, Tilt: 3°/s	Pan: 4.5°/s, Tilt: 3.8°/s			Pan : 6°/s	Pan : 5°/s
Working temperature	25℃ ~ +55℃					
Additional Info	Suitable bracket needed	Ceiling mount type	Wall mount type		Pan scanner, manual tilting	

Essential accessories : Pan / Tilt controller or decoder unit.



PTZ/Lens Controller

PTZ controllers are used with Pan Tilt unit / scanner unit to control their movement. These controllers are available either for single channel or for multi channels. There are dedicated buttons in the front panel of the controller to control the movement of PT unit, in addition to this these controller have AUTO mode also. These controllers are used as lens controllers also to control the focus, iris and zoom of the camera.

Model:	Description
SS301C	Single Channel Pan/Tilt/Zoom Controller
SS308C	Five Channel Pan/Tilt/Zoom Controller
SS302C	Single Channel Pan/Tilt Controller
SS305C	Five Channel Pan/Tilt Controller
SS306C	Single Channel Pan Controller
SS307C	Five Channel Pan Controller



Audio Video Switcher

Audio video switcher is used to connect multiple cameras with a single monitor or display. Audio video switcher is mainly used with cameras where only live viewing is required.

Model:	SS401A	SS601A	SS801A	SS1201A	SS1601A
Video Input (1 V p-p, 75Ω)	4	6	8	12	16
Audio Input (<150mV)	4	6	8	12	16
Video Output	1 V p-p, 75Ω x 1 OUT				
Audio Output	1 OUT				
Video Bandwidth	20 MHZ				
Switch Interval	1 to 35 sec, Adjustable				
Operating Volatage	24VAC/240 VAC				



Video Amplifier

Video amplifier is used to boost up the video signal coming from the camera. For long run coaxial cabling there is a video loss, to compensate this video loss and ensure sufficient signal level at DVR / Monitor end video amplifier is used

Model:	SS 101
Video System	PAL/NTSC
Operating Voltage	230 VAC
Video gain	1dB
Video Input	0.5 V ~ 1.0 V p-p 75Ω
Video Output	0.1 V ~ 2.0 V p-p 75Ω
Frequency response	20 Mhz

STANDALONE DVR - LN LITE SERIES



• **Model:**

SSDVR0404LN-S LITE
4 channel audio/video

• **Features:**

- H.264 compression algorithm provides clear images with real time performance.
- Real time live display, 100/120 fps recording for CIF, 25/30 fps recording for 4CIF/D1
- Pentaplex function allows live display, recording, playback, backup & remote access at the same time.
- Support multiple control device i.e. front panel, IR remote controller, keyboard, USB mouse and network keyboard.
- Advanced video detection for motion, camera blanking and video loss.
- Advanced camera settings for privacy masking, camera lock, color setting, and title display
- Support PELCO-D and other standard protocols for Pan Tilt Zoom and Speed Dome Control
- 3D intelligent positioning function with Simoco Speed Dome
- 4 channel audio inputs, supports bi-directional talk
- Alarm triggering screen tips, buzzer, PTZ preset.
- Support TCP/IP, DHCP, PPPoE and DDNS.
- Powerful network software supports built-in web server, multi-DVR client & CMS.
- Remote access for live viewing, recording, playback, setting, system status and event log.

Technical Specification

Main Processor	High performance embedded microprocessor		
Operating System	Embedded LINUX		
Video Compression	H.264		
Video Input	4 Channel, BNC, 1.0Vp-p, 75Ω,		
Video Output	2 channel TV output BNC, 1.0Vp-p, 75Ω, 1 VGA output		
Video Standards	PAL (625Line, 50f/s) , NTSC (525Line, 60f/s)		
Video Resolution	Format	NTSC	PAL
	CIF	352 X 240	352 X 288
	4CIF	704 X 480	704 X 576
Video Recording (Max)	CIF: PAL 25f/s NTSC 30f/s; 4CIF: PAL 6f/s NTSC 7f/s; for each channel		
Video Display Split	Full and multiple screen display, 1 / 4		
Audio Input	4 channel, BNC, 200-2800mV, 30KΩ		
Bidirectional Talk Input	1 channel, BNC, 200-2800mV, 30KΩ		
Audio Output	2 channel, BNC, 200-3000mv, 5KΩ		
Audio Compression	ADPCM		
Motion Detection area	22*18 i.e. 396 detection zones for each camera		
Motion Detection Sensitivity	6 adjustable levels for precise calculation		
Alarm Input	4 channel, programmable, manual open/closed		
Relay output	3 channel, 30VDC, 1A, NO/NC, form-C,		
Hard Disk	1 SATA port, Support single HDD only		
HDD Management	Hard disk hibernation, HDD faulty alarm.		
Recording Mode	Manual, continuous, video detection , Alarm triggered		
Recording Interval	1 to 120 minutes user defined		
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)		
Digital Zoom	Selected zone can zoom into full screen during playback		
Backup Mode	Flash Drive/ USB HDD/ network download		
Network Interface	TCP/IP, RJ-45 Port (10/100M)		
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information		
Auxiliary Interface	USB2.0 - 2 ports, RS232, keyboard, RS485		
Power consumption	AC 220V 50 Hz, less than 25W		
Operating Temperature	0°C — + 55°C		
Dimension	1U, 375mmx285mmx45mm (W*D*H)		
Mounting	Desktop or rack		

STANDALONE DVR - LN SATA SERIES



• **Model:**

SSDVR0404/0804/1604LN-S
4/8/16 channel audio/video basic model

• **Features:**

- H.264 compression algorithm provides clear images with real time performance.
- Real time live display, 100/200/400 (PAL), 120/240/480 (NTSC) fps recording for CIF
- Pentaplex function allows live display, recording, playback, backup & remote access at the same time.
- Support multiple control device i.e. front panel, IR remote controller, keyboard, USB mouse and network keyboard.
- Easy backup through USB devices, CD-RW/DVD-RW & network download.
- Advanced video detection for motion, camera blanking and video loss.
- Advanced camera settings for privacy masking, camera lock, color setting, and title display
- Support PELCO-D and other standard protocols for Pan Tilt Zoom and Speed Dome Control
- 3D intelligent positioning function with Simoco Speed Dome
- 4 channel audio inputs, supports bi-directional talk
- Alarm triggering screen tips, buzzer, PTZ preset.
- Support TCP/IP, DHCP, PPPoE, DDNS, E-mail, & FTP
- Powerful network software supports built-in web server, multi-DVR client & CMS.
- Remote access for live viewing, recording, playback, setting, system status and event log.

Technical Specification

Main Processor	High performance embedded microprocessor
Operating System	Embedded LINUX
Video Compression	H.264
Video Input	4/8/16Channel, BNC, 1.0Vp-p, 75 Ω , looping (optional)
Video Output	2 channel TV output BNC, 1.0Vp-p, 75 Ω , 1 VGA output
Video Standards	PAL (625Line, 50f/s), NTSC (525Line, 60f/s)
Video Resolution	Format NTSC PAL CIF 352 X 240 352 X 288
Video Recording (Max)	CIF: PAL 25f/s NTSC 30f/s; for each channel
Video Display Split	Full and multiple screen display, 1 / 4 / 8 / 9 / 16
Audio Input	4 channel, BNC, 200-2800mV, 30K Ω
Bidirectional Talk Input	1 channel, BNC, 200-2800mV, 30K Ω
Audio Output	1 channel, BNC, 200-3000mv, 5K Ω
Audio Compression	ADPCM
Motion Detection area	22*18 i.e. 396 detection zones for each camera
Motion Detection Sensitivity	6 adjustable levels for precise calculation
Alarm Input	4 channel, programmable, ground, manual open/closed
Relay output	3/6/6 channel, 30VDC, 1A, NO/NC, form-C,
Hard Disk	4 SATA ports, 4 HDDs supported
HDD Management	Hard disk hibernation, HDD faulty alarm & Raid (Redundancy)
Recording Mode	Manual, continuous, video detection, Alarm triggered
Recording Interval	1 to 120 minutes user defined
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)
Digital Zoom	Selected zone can zoom into full screen during playback
Backup Mode	Flash drive/ USB HDD/ USB CD-RW/DVD-RW/ network download
Network Interface	TCP/IP, RJ-45 Port (10/100M)
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information
Auxiliary Interface	USB2.0 - 2 ports, RS232, keyboard, RS485
Power consumption	AC 220V 50 Hz, less than 25W/30W/40W
Operating Temperature	0 $^{\circ}$ C -+ 55 $^{\circ}$ C
Dimension	1.5U, 440mmx460mmx68mm (W*D*H)
Mounting	Desktop or rack


F Series IP Camera

• Highlighting Features

- H.264/M-JPEG video compression algorithm
- Support D1/Half-D1/CIF/QCIF real-time recording
- Support dual compression streams
- Support video, audio and bi-directional talk function
- Support motion detection and alarm trigger function
- Support hot swappable SD card for local storage
- Support PoE (IEEE802.3af) power input (only -P model)
- Support Wireless (802.11b/802.11g) Lan (only -W model)
- Powerful network software: built-in web server & CMS, networking access for remote live viewing, recording, playback, setting, system status, event log, e-mail & ftp function etc.

• Technical Specification

MODEL	F425P/F425P-P F425P-W	F445P/F445P-P F445P-W	F465P/F465P-P F465P-W
Image Sensor	1/3" Sony CCD		
Video Format	PAL		
Effective Pixels (HxV)	PAL: 500x582	PAL: 752x582	PAL: 795x596
Horizontal Resolution	Color: 420TVL B/W: 420TVL	Color: 480TVL B/W: 600TVL	Color: 540TVL B/W: 600TVL
Lens	C/CS mount lens, Vari-focal: 3.5mm~8mm/F1.2 (standard)		
Min Illumination	Color: 0.1Lux/F1.2 B/W: 0.01Lux/F1.2		
S/N Ratio	More than 50dB		
Gain Control	Auto		
White Balance	Auto		
Electronic Shutter	1/50~1/100000s		
Frame Rate	PAL: 1~25fps		
Motion Detection	Zones: 22*18 Sensitivity: 1~6 level		
Audio Compression	G.711/G.726/AMR		
Audio	1-ch RCA input, 1-ch RCA output		
Communication	Ethernet 10/100M, RJ45, RS485, 802.11b/802.11g (only -W model)		
Alarm	2-ch IN, 1-ch OUT		
Local Storage	Hot Swappable SD card (optional)		
Power Requirement	DC 12V, 6 W		
Working Temperature	Temperature: 0°C to +60°C, Humidity: 20%~80%		
Dimension	132mm x 68mm x 62mm		
Weight	1.0 kg		
Mounting	Indoor type, for outdoor mounting separate enclosure required		

Note:-P model supports PoE, -W model supports 802.11b/802.g WLAN



FDBW Series IP Camera

• *Highlighting Features*

- H.264/M-JPEG compression algorithm
- Support D1/Half-D1/CIF/QCIF real-time recording
- Support dual compression streams
- Support video, audio and bi-directional talk function
- Support motion detection and alarm trigger function
- IP66 protection level vandal proof, built-in IR compensation lights, effective distance up to 20 meters
- Support built-in Micro SD card for local storage
- Support PoE (IEEE802.3af) power input (only -P model)
- Powerful network software: built-in web server & CMS, networking access for remote live viewing, recording, playback, setting, system status, event log, e-mail & ftp function etc.

• *Technical Specification*

MODEL	FDBW425P FDBW 425P-P	FDBW 445P FDBW 445P-P	FDBW 465P FDBW 465P-P
Image Sensor	1/3" Sony CCD		
Video Format	PAL		
Effective Pixels (HxV)	PAL: 500x582	PAL: 752x582	PAL: 795x596
Horizontal Resolution	Color: 420TVL B/W: 420TVL	Color: 480TVL B/W: 600TVL	Color: 540TVL B/W: 600TVL
Lens	Fixed focus: 6mm/F1.6, View angle: 51°		
Min Illumination	Color: 0.5Lux/F1.2 B/W: 0.05Lux/F1.2	Color: 0.3Lux/F1.2 B/W: 0.03Lux/F1.2	Color: 0.1Lux/F1.2 B/W: 0.01Lux/F1.2
S/N Ratio	More than 50dB		
Gain Control	Auto		
White Balance	Auto		
Electronic Shutter	1/50~1/100000s		
Frame Rate	PAL: 1~25fps		
Motion Detection	Zones: 22*18 Sensitivity: 1~6 level		
Audio Compression	G.711/G.726/AMR		
Audio	1-ch RCA input, 1-ch RCA output		
Communication	Ethernet 10/100M, RJ45, RS485		
Alarm	2-ch IN, 1-ch OUT		
Local Storage	Micro SD card (optional)		
IR Compensation	Built-in IR lights, Effective distance up to 20 meters		
Power Requirement	DC 12V, 6 W		
Working Temperature	Temperature: 0°C to +60°C, Humidity: 20%~80%		
Dimension	90mm x 90mm x 95mm		
Weight	1.5kg		
Mounting	IP66 protection level, Support multiple mounting mode		


FW Series IP Camera

● *Highlighting Features*

- H.264/M-JPEG compression algorithm
- Support D1/Half-D1/CIF/QCIF real-time recording
- Support dual compression streams
- Support video, audio and bi-directional talk function
- Support motion detection and alarm trigger function
- IP66 protection level, built-in IR compensation lights, effective distance up to 20 meters
- Support built-in Micro SD card for local storage
- Support PoE (IEEE802.3af) power input (only -P model)
- Powerful network software: built-in web server & CMS, networking access for remote live viewing, recording, playback, setting, system status, event log, e-mail & ftp function etc.

● *Technical Specification*

MODEL	FW425P/FW425P-P	FW445P/FW445P-P	FW465P/FW465P-P
Image Sensor	1/3" Sony CCD		
Video Format	PAL		
Effective Pixels (HxV)	PAL: 500x582	PAL: 752x582	PAL: 795x596
Horizontal Resolution	Color: 420TVL B/W: 420TVL	Color: 480TVL B/W: 600TVL	Color: 540TVL B/W: 600TVL
Lens	Fixed focus: 8mm/F1.6,		
Min Illumination	Color: 0.5Lux/F1.2 B/W: 0.05Lux/F1.2	Color: 0.3Lux/F1.2 B/W: 0.03Lux/F1.2	Color: 0.1Lux/F1.2 B/W: 0.01Lux/F1.2
S/N Ratio	More than 50dB		
Gain Control	Auto		
White Balance	Auto		
Electronic Shutter	1/50~1/100000s		
Frame Rate	PAL: 1~25fps		
Motion Detection	Zones: 22*18 Sensitivity: 1~6 level		
Audio Compression	G.711/G.726/AMR		
Audio	1-ch RCA input, 1-ch RCA output		
Communication	Ethernet 10/100M, RJ45, RS485		
Alarm	2-ch IN, 1-ch OUT		
Local Storage	Micro SD card (optional)		
IR Compensation	Built-in IR lights, Effective distance up to 20 meters		
Power Requirement	DC 12V, 6 W		
Working Temperature	Temperature: 0°C to +60°C, Humidity: 20%~80%		
Dimension	186mm x 9mm x 4mm		
Weight	1.5kg		
Mounting	IP66 protection level, Support multiple mounting mode		



Wireless Outdoor IP Camera

• *Highlighting Features*

- TCP / IP network remote video transmission system
- Viewable online using a standard web browser over LAN / Internet
- IEEE 802.11 g/b complaint
- MPEG4 Compression
- Multiple motion detection area setups
- Waterproof design, suitable for outdoor use
- In built IR Illuminator for low Lux operation
- Password protection against unauthorized user access
- Supports CMS software for viewing of multiple camera into a single screen

• *Technical Specification*

Video System	NTSC/ PAL
Capture Device	1/3 " SONY CCD, 420/480 TVL
Power Supply	12 VDC
Compression Format	MPEG4
Lens	8/12/16/25/50 mm inbuilt fixed lens
Internet Protocol	TCP/ IP, HTTP, DHCP, SMTP, PPOE
Web Security	Multi levels password protection
Audio	Available
Resolution	D1/CIF/QCIF
Frame Rate	30 (NTSC)/25 (PAL) fps max
Operating Temperature	-10 °C ~ +60 °C

• *Models Available*

	420 TVL	480 TVL
8 mm inbuilt fixed lens	SSIR9202W	SSIR9208W
12 mm inbuilt fixed lens	SSIR9302W	SSIR9308W
16 mm inbuilt fixed lens	SSIR9402W	SSIR9408W
25 mm inbuilt fixed lens	SSIR9602W	SSIR9608W
50 mm inbuilt fixed lens	SSIR9002W	SSIR9008W



Outdoor Mount

Indoor Mount

• Highlighting Features

- **3D Intelligent Positioning:** With our DVRs, you can use the mouse and touch panel to trace the object easily.
- **Network Transmission:** Supports network digital video transmission, video compression algorithm H.264. Image Resolution: D1/Half-D1/CIF/QCIF (selectable).
- **Dynamic Window Blanking:** The blocking of specific areas, such as open windows – is increasingly required to satisfy privacy issues. This cameras supports to define up to 8, four-sided polygons, with sides of any length, and turn on the blanking at specific zoom ratios.
- **IE Browser:** Built-in web server and multiple user access supported. You can define different authority level for different users.
- **Dual Video Output Mode:** It can realize analog output and network digital output simultaneously. So you can control through RS485 and also control through network. This will make it easy for system integrations.

• Technical Specification

Model	SS60C01-IP SS61C01-IP	SS60C03-IP SS61C03-IP	SS60C04-IP SS61C04-IP	SS60C06-IP SS61C06-IP
Signal Format	NTSC / PAL			
Image Sensor	1/4-type EXview HAD CCD			
Effective Picture Elements	NTSC: Approx. 380,000 pixels; PAL: Approx. 440,000 pixels			
Horizontal Resolution	480 TV lines			
Image Resolution	PAL:704*576, NTSC:704*480; D1/ VGA/Half-D1/CIF /QVGA/QCIF			
Video Encoding	H.264, CBR/VBR			
Lens	F=4.1mm(WIDE) ~73.8 mm(TELE)	F=4.1mm(WIDE) ~73.8 mm(TELE)	F=3.5mm(WIDE) ~91.0 mm(TELE)	F=3.4mm(WIDE) ~122.4 mm(TELE)
Optic Zoom	18x	18x	26x	36x
Digital Zoom	12x (216x with optical zoom)	12x (216x with optical zoom)	12x (312x with optical zoom)	12x (432x with optical zoom)
Minimum Illumination	Color≤1.0Lux B/W: NA	Color≤0.7Lux B/W≤0.001Lux	Color≤0.7Lux B/W≤0.001Lux	Color≤0.1Lux B/W≤0.001Lux
Pan/Tilt Range	Horizontal: 0°~360° (continuous pan rotation) Vertical: -2°~92° (auto flip dome rotation)			
Manual Control Speed	Horizontal: 0.1°~180°/s ; Vertical :0.1°~90°/s			
Preset Speed	300°/s			
Preset Positions	128			
Privacy Zone Masking	8 Zones			
Alarm Input/Output	2 Channel Inputs; 1 Channel Output			
Baud Rate	1200bps / 2400bps / 4800bps / 9600bps			
Network Protocols	TCP-IP/PPPOE/DDNS/SMTP/RTP			
Additional Option	3D Intelligent Positioning (working with Simoco DVRs)			
Day/Night Mode	Not Available	Auto/Manual		
S/N Ratio	> 50 dB			
Shutter Speed	1/1~1/10,000s			
White Balance	Auto / Manual			
Gain Control	Auto / Manual			
Backlight Compensation	On/Off			
Video Output	1.0VP-P			
IP Protection	IP67			
Working Temperature	-40°C~60°C , 10% ~ 90% RH			
Power Requirement	24 V AC, 15W(for camera), 30W(for heater)			



Outdoor Mount

Indoor Mount

• Highlighting Features

- **Wide Dynamic Range:** Supports 128 x wide dynamic range function that reproduce high-contrast images of the original scene.
- **3D Intelligent Positioning:** With our DVRs, you can use the mouse and touch panel to trace the object easily.
- **Network Transmission:** Supports network digital video transmission, video compression algorithm H.264. Image Resolution: D1/Half-D1/CIF/QCIF (selectable).
- **Dynamic Window Blanking:** The blocking of specific areas, such as open windows – is increasingly required to satisfy privacy issues. This cameras supports to define up to 8, four-sided polygons, with sides of any length, and turn on the blanking at specific zoom ratios.
- **IE Browser:** Built-in web server and multiple user access supported. can You define different authority level for different users.
- **Dual Video Output Mode:** It can realize analog output and network digital output simultaneously. So you can control through RS485 and also control through network. This will make it easy for system integrations.

• Technical Specification

Model	SSSD60C23-IP SSSD61C23-IP	SSSD60C25-IP SSSD61C25-IP	SSSD60C26-IP SSSD61C26-IP
Signal Format	NTSC / PAL		
Image Sensor	1/4-type EXview HAD CCD		
Effective Picture Elements	NTSC: Approx. 380,000 pixels; PAL: Approx. 440,000 pixels		
Horizontal Resolution	530 TV lines		
Image Resolution	PAL:704*576, NTSC:704*480; D1/ Half-D1/CIF /QCIF		
Video Encoding	H.264, CBR/VBR		
Lens	F=4.1mm(WIDE) ~73.8 mm(TELE)	F=3.5mm(WIDE) ~91.0 mm(TELE)	F=3.4mm(WIDE) ~122.4 mm(TELE)
Optic Zoom	18x	26x	36x
Digital Zoom	12x (216x with optical zoom)	12x (312x with optical zoom)	12x (432x with optical zoom)
Minimum Illumination	Color≤0.7Lux B/W≤0.001Lux	Color≤0.7Lux B/W≤0.001Lux	Color≤0.1Lux B/W≤0.001Lux
Pan/Tilt Range	Horizontal: 0°~360° (continuous pan rotation) Vertical: -2°~92° (auto flip dome rotation)		
Manual Control Speed	Horizontal: 0.1°~180°/s ; Vertical :0.1°~90°/s		
Preset Speed	300°/s		
Preset Positions	128		
Privacy Zone Masking	8 Zones		
Alarm Input/Output	2 Channel Inputs; 1 Channel Output		
Baud Rate	1200bps / 2400bps / 4800bps / 9600bps		
Network Protocols	TCP-IP/PPPOE/DDNS/SMTP/RTP		
Additional Option	3D Intelligent Positioning (working with Simoco DVRs)		
Day/Night Mode	Auto/Manual		
S/N Ratio	> 50 dB		
Shutter Speed	1/1~1/10,000s		
White Balance	Auto / Manual		
Gain Control	Auto / Manual		
Wide Dynamic Range	On/Off		
Backlight Compensation	On/Off		
Video Output	1.0VP-P		
IP Protection	IP67		
Working Temperature	-40°C~60°C , 10% ~ 90% RH		
Power Requirement	24 V AC, 15W(for camera), 30W(for heater)		