

Q1 2017

PRODUCT
SELECTION | **CCTV**



safire

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Q1 2017

HD
OVER COAX
CAMERAS



CAMERAS
IP



XVR
5N1



NVR
IP



ACCESSORIES



SOFTWARE






HD OVER COAX CAMERAS

- Superior Image, High Performance Sensor
- HD 1080p Resolution with Real WDR
- Reliable & Resistant (IP66 / IK10)

XVR 5N1


- 5n1 Recorders HDTVI / HDCVI / CVBS / AHD / IP
- New H.264+ | Up to 3Mpx | HDMI 4K
- Longer Transmissions Distances












	Bullet Camera		
Model			
	CV022KIB-FTVI	CV022KWIB-FTVI	CV788ZKWIB-FTVI
Video output	HDTVI	HDTVI	HDTVI
Image sensor	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS
Resolution	1080p@25FPS	1080p@25FPS	1080p@25FPS
Lens	2.8 mm	2.8 mm	Motorized Zoom; 2.8 - 12 mm
Angle of View	103°	103°	35.1°-114.5°
Day / Night	ICR filter	ICR filter	ICR filter
Min. Illumination	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR
IR Range	20 m Smart IR	20 m Smart IR	40 m Smart IR
OSD Menu	-	Up the Coax Remote	Up the Coax Remote
Dynamic range	-	WDR 120dB	WDR 120dB
Noise reduction	-	2D/3D-NR	2D/3D-NR
Power Consumption	5W max (12VDC)	5W max (12VDC)	6W max (12VDC)
Protection level	IP66	IP66	IP66
Operating temperature	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C
Dimension	70 × 154 mm	58.5 × 55.5 × 153.6 mm	92 × 84.8 × 269.6 mm
Weight	300 g	370 g	900 g

	Dome Camera			
Model				
	DM942KIB-FTVI	DM942KWIB-FTVI	DM955ZKWIB-FTVI	DM935ZKWIB-FTVI
Video output	HDTVI	HDTVI	HDTVI	HDTVI
Image sensor	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS
Resolution	1080p@25FPS	1080p@25FPS	1080p@25FPS	1080p@25FPS
Lens	2.8 mm	2.8 mm	Motorized Zoom 2.8 - 12 mm	Motorized Zoom 2.8 - 12 mm
Angle of View	103°	103°	35.1°-114.5°	35.1°-114.5°
Day / Night	ICR filter	ICR filter	ICR filter	ICR filter
Min. Illumination	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR
IR Range	20 m Smart IR	20 m Smart IR	40 m Smart IR	40 m Smart IR
OSD Menu	-	Up the Coax Remote	Up the Coax Remote	Up the Coax Remote
Dynamic range	-	WDR 120dB	WDR 120dB	WDR 120dB
Noise reduction	-	2D/3D-NR	2D/3D-NR	2D/3D-NR
Power Consumption	4W max (12VDC)	5W max (12VDC)	6W max (12VDC)	4.5W max (12VDC)
Protection level	IP66	IP66	IP66	IP66, IK10 Vandal-proof
Operating temperature	-40 °C - 60 °C	-40 °C - 60 °C	-40 °C - 60 °C	-40 °C - 60 °C
Dimension	89.6 × 59.1 mm	110 × 93.2 mm	134.3 × 123.9 × 111.4 mm	145.2 × 124.1 mm
Weight	340 g	350 g	750 g	1.6 Kg

	Speed Dome			
Model				
	SD7023-FTVI	SD7C23-FTVI	SD6023I-FTVI	SD8030I-FTVI
Video output	HDTVI / CVBS	HDTVI	HDTVI / CVBS	HDTVI / CVBS
Sensor de imagen	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Resolution	720p@25FPS	720p@25FPS	1080p@25FPS	1080p@25FPS
Lens	4-92.0 mm (23X)	4-92.0 mm (23X)	4-92.0 mm (23X)	4-120 mm (30X)
Angle of View	49°-2.2°	49°-2.2°	49°-2.2°	58°-21.7°
Day / Night	ICR filter	ICR filter	ICR filter	ICR filter
Min. Illumination	0.05Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	0.05Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	0.05Lux / F1.4 (Color) 0.01Lux / F1.4 (B/W)	0.05Lux / F1.4 (Color) 0.005Lux / F1.4 (B/W)
IR Range	-	-	100m	120m
Image processing	3D-NR / DWDR / EIS / Mask	3D-NR / DWDR / EIS / Mask	3D-NR / DWDR / EIS / Mask	3D-NR / DWDR / EIS / Mask
PTZ Range	Pan: 360° Tilt: 0°~90° Optical zoom: 23x Digital zoom: 16x	Pan: 360° Tilt: 0°~90° Optical zoom: 23x Digital zoom: 16x	Pan: 360° Endless Tilt: 0°~90° (Autoflip) Optical zoom: 23X Digital zoom: 16X	Pan: 360° Endless Tilt: 0°~90° (Autoflip) Optical zoom: 30X Digital zoom: 16X
PTZ Speed	Pan Preset Speed: 160°/s Tilt Preset Speed: 120°/s	Pan Preset Speed: 160°/s Tilt Preset Speed: 120°/s	Pan Preset Speed: 160°/s Tilt Preset Speed: 120°/s	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s
Presets	256 (8 patrols, 4 patterns) 3D intelligent positioning	256 (8 patrols, 4 patterns) 3D intelligent positioning	256 (8 patrols, 4 patterns) 3D intelligent positioning	256 (8 patrols, 4 patterns) 3D intelligent positioning
Control	RS485 / Up the Coax	RS485 / Up the Coax	RS485 / Up the Coax	RS485 / Up the Coax
Alarms Input / Relay	2 / 1	2 / 1	2 / 1	-
Power Consumption	18W max (24VAC)	18W max (24VAC)	18W max (24VAC)	30W max (24VAC)
Protection level	IP66	Ceiling Indoor	IP66	IP66
Operating temperature	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C
Dimension	330 x 185 mm	330 x 185 mm	295 x 165 mm	354 x 220 mm
Weight	2 Kg	2 Kg	2 Kg	4.5 Kg

	DVR Serie 3						
Model							
	HTVR3104M	HTVR3104	HTVR3104A	HTVR3108	HTVR3108A	HTVR3116	HTVR3116A
Video Standard	HDTVI/HDCVI/AHD/CVBS	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP
Video Input	4ch BNC	4ch BNC + 1ch IP	4ch BNC + 1ch IP	8ch BNC + 2ch IP	8ch BNC + 2ch IP	16ch BNC + 2ch IP	16ch BNC + 2ch IP
Recording Resolution	1080p Lite / 720p@25FPS	1080p Lite / 720p@25FPS	1080p Lite / 720p@25FPS	1080p Lite / 720p@25FPS	1080p Lite / 720p@25FPS	1080p Lite / 720p@25FPS	1080p Lite / 720p@25FPS
Video Compression	H.264+/H.264	H.264+/H.264	H.264+/H.264	H.264+/H.264	H.264+/H.264	H.264+/H.264	H.264+/H.264
Video Outputs	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/VGA
Display	1920 × 1080 Max.	1920 × 1080 Max.	1920 × 1080 Max.	1920 × 1080 Max.	1920 × 1080 Max.	1920 × 1080 Max.	1920 × 1080 Max.
Audio compression	G.711u	G.711u	G.711u	G.711u	G.711u	G.711u	G.711u
Audio Input/Output	1/1	4/1	4/1	1/1	4/1	1/1	1/1
Alarm Input/Relay	-	-	4/1	-	4/1	-	4/1
Video Analysis	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception
Network interface	RJ45 10/100 Mbps	RJ45 10/100 Mbps	RJ45 10/100 Mbps	RJ45 10/100 Mbps	RJ45 10/100 Mbps	RJ45 10/100 Mbps	RJ45 10/100 Mbps
Data	Up the coax control	Up the coax control	Up the coax control	Up the coax control	Up the coax control	Up the coax control	Up the coax control
Hard Disk	1 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB
USB interface	2 × USB 2.0	2 × USB 2.0	2 × USB 2.0	2 × USB 2.0	2 × USB 2.0	2 × USB 2.0	2 × USB 2.0
Power/Consumption	12 VDC 1.5A	12 VDC 1.5A	12 VDC 1.5A	12 VDC 1.5A	12 VDC 1.5A	12 VDC 1.5A	12 VDC 1.5A
Dimensions	200 × 200 × 45 mm	260 × 222 × 45 mm	260 × 222 × 45 mm	260 × 222 × 45 mm	260 × 222 × 45 mm	260 × 222 × 45 mm	260 × 222 × 45 mm
Weight	800 g	1 Kg	1 Kg	1 Kg	1 Kg	1.2 Kg	1.2 Kg

	DVR Serie 6						
Model							
	HTVR6104	HTVR6104A	HTVR6108	HTVR6108A	HTVR6116	HTVR6116A	HTVR6424A
Video standard	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/CVBS/IP
Video input	4ch BNC + 1ch IP	4ch BNC + 1ch IP	8ch BNC + 2ch IP	8ch BNC + 2ch IP	16ch BNC + 2ch IP	16ch BNC + 2ch IP	24ch BNC + 8ch IP (Up 32ch IP)
Recording Resolution	1080p@12FPS 1080p Lite / 720p@25FPS	1080p@12FPS 1080p Lite / 720p@25FPS	1080p@12FPS 1080p Lite / 720p@25FPS	1080p@12FPS 1080p Lite / 720p@25FPS	1080p@12FPS 1080p Lite / 720p@25FPS	1080p@12FPS 1080p Lite / 720p@25FPS	1080p@12FPS 720p@25FPS
Video compression	H.264+/H.264	H.264+/H.264	H.264+/H.264	H.264+/H.264	H.264+/H.264	H.264+/H.264	H.264
Video outputs	HDMI/VGA/BNC Spot	HDMI/VGA/BNC Spot	HDMI/VGA/BNC Spot	HDMI/VGA/BNC Spot	HDMI/VGA/BNC Spot	HDMI/VGA/BNC Spot	HDMI/VGA
Display	1920 × 1080 Max.	1920 × 1080 Max.	1920 × 1080 Max.	1920 × 1080 Max.	4K Max.	4K Max.	1920 × 1080 Max.
Audio compression	G.711u	G.711u	G.711u	G.711u	G.711u	G.711u	G.711u
Audio Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	4/1
Alarm Input/Relay	-	4/1	-	8/4	-	4/1	16/4
Video Analysis	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception
Network interface	RJ45 10/100 Mbps	RJ45 10/100 Mbps	RJ45 10/100 Mbps	RJ45 10/100 Mbps	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps
Data	Up the coax, RS485	Up the coax, RS485	Up the coax, RS485	Up the coax, RS485	Up the coax, RS485	Up the coax, RS485	Up the coax, RS485, RS232
Hard Disk	1 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB	4 SATA x 6TB
USB interface	2 × USB 2.0	2 × USB 2.0	2 × USB 2.0	2 × USB 2.0	1 × USB 2.0 + 1 × USB 3.0	1 × USB 2.0 + 1 × USB 3.0	3 × USB 2.0
Power/Consumption	DC 12V 1.5 A	DC 12V 1.5 A	DC 12V 1.5 A	DC 12V 1.5 A	DC 12V 3.33 A	DC 12V 3.33 A	AC 100~240 V
Dimensions	315 × 242 × 45 mm	315 × 242 × 45 mm	315 × 242 × 45 mm	315 × 242 × 45 mm	315 × 242 × 45 mm	315 × 242 × 45 mm	445 × 390 × 70 mm
Weight	2 Kg	2 Kg	2 Kg	2 Kg	2 Kg	2 Kg	5 Kg

	DVR Serie 6	DVR Serie 8			
Model					
	HTVR6432A	HTVR8104A	HTVR8108A	HTVR8216A	SF-HVR8216A
Video standard	HDTVI/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP	HDTVI/HDCVI/AHD/CVBS/IP
Video input	32ch BNC - 8ch IP (Up 32ch IP)	4ch BNC + 2ch IP 4 Mpx	8ch BNC + 2ch IP 4 Mpx	16ch BNC + 2ch IP 4 Mpx	H.264/H.264+
Recording Resolution	1080p@12FPS 720p@25FPS	3 Mpx@12FPS 1080P@25FPS	3 Mpx@12FPS 1080P@25FPS	3 Mpx@12FPS 1080P@25FPS	3 Mpx@12FPS 1080P@25FPS
Video compression	H.264	H.264+/H.264	H.264+/H.264	H.264+/H.264	H.264+/H.264
Video outputs	HDMI/VGA	HDMI/VGA/BNC Spot	HDMI/VGA/BNC Spot	HDMI/VGA/BNC Spot	HDMI/VGA
Display	1920 × 1080 Max.	1920 × 1080 Max.	4K Max.	4K Max.	4K Max.
Audio compression	G.711u	G.711u	G.711u	G.711u	G.711u
Audio Input/Output	4/1	4/1	4/1	4/1	4/1
Alarm Input/Relay	16/4	4/1	8/4	16/4	4/1
Video Analysis	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	Intrusion detection / Line crossing Audio exception	-
Network interface	RJ45 10/100/1000 Mbps	RJ45 10/100 Mbps	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps
Data	Up the coax, RS485, RS232	Up the coax, RS485	Up the coax, RS485	Up the coax, RS485	Up the coax, RJ45, RS485
Hard Disk	4 SATA x 6TB	1 SATA x 6TB	1 SATA x 6TB	2 SATA x 6TB	2 SATA x 6TB
USB interface	3 × USB 2.0	2 × USB 2.0	2 × USB 2.0 + 1 × USB 3.0	2 × USB 2.0 + 1 × USB 3.0	1 × USB 2.0 + 1 × USB 3.0
Power/Consumption	AC 100~240 V	DC 12V 1.5 A	DC 12V 3.3 A	DC 12V 5.0 A	12VDC 20W
Dimensions	445 × 390 × 70mm	315 × 242 × 45mm	315 × 242 × 45 mm	380 × 320 × 48 mm	380 × 320 × 48 mm
Weight	5 Kg	1.5 Kg	1.5 Kg	2 Kg	2 Kg

IP CAMERAS

- ONVIF Compatible
- Up to 4 Mpx with Real WDR & 3D-NR
- New H.264+ Encoding

IP NVR

- NVR Up to 4K | H.265 - H.264+ | HDMI 4K
- VMS/App Safire Control Center
- P2P Cloud EasyConnect



	Compact IP Camera	
Model		
	SF-IPSD110-2WAI	SF-IPCU202-1WI
Image sensor	Hi-Performance CMOS	Hi-Performance CMOS
Resolution	1MP@25FPS	2MP@25FPS
Video Compression	H.264	H.264
Lens	2.8 mm	2.8 mm
Angle of View	Pan&Tilt Motorized	103°
Day / Night	ICR filter	ICR filter
Min. Illumination	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR
IR Range	10m Smart IR	10m Smart IR
Image processing	3D-NR/DWDR/BLC/ROI Real PIR Sensor 80°/10m	3D-NR/DWDR/BLC/ROI Real PIR Sensor 80°/10m
Video Analysis	Intrusion detection / Line crossing	Intrusion detection / Line crossing
Audio/Alarm	Audio & Alarm	Audio & Alarm
Wi-Fi	IEEE802.11b/g/n	IEEE802.11b/g/n
SD Card Storage	Up to 128GB Micro SD with ANR	Up to 128GB Micro SD
Power supply / Consumption	315 × 235 × 45 mm	315 × 235 × 45 mm
Power Over Ethernet	-	PoE IEEE802.3af
Protection level	Indoor	Indoor
Operating temperature	-30°C ~ +60°C	-30°C ~ +60°C
Dimension	124 x 101 mm	108 x 66 x 42 mm
Weight	300 g	400 g

	Bullet Camera						
Model							
	IPC-CV012HD-H	SF-IPCV220-2WI	SF-IPCV023-3W	SF-IPCV024W-4	SF-IPCV789ZW-2	SF-IPCV326-3ASI	SF-IPCV789ZW-4
Image sensor	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS
Resolution	1.3MP@25FPS	2MP@25FPS	3MP@15FPS	4MP@25FPS	2MP@25FPS	3MP@25FPS	4MP@25FPS
Video Compression	H.264	H.264	H.264	H.264/H.264+	H.264/H.264+	H.264	H.264/H.264+
Lens	4 mm	4 mm	4 mm	4 mm	Motorized lens 2.8 - 12 mm	2.8 ~ 12 mm	Motorized lens 2.8 - 12 mm
Angle of View	61°	61°	70°	61°	35.1°-114.5°	35.1°-114.5°	35.1°-114.5°
Day / Night	ICR filter	ICR filter	ICR filter	ICR filter	ICR filter	ICR filter	ICR filter
Min. Illumination	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.07 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.07 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR
IR Range	30 m Smart IR	30 m Smart IR	20 m Smart IR	30 m Smart IR	30 m Smart IR	30 m Smart IR	30 m Smart IR
Image processing	3D-DNR/DWDR/ROI	3D-DNR/DWDR/ROI	3D-NR/DWDR/BLC/ROI	WDR(120dB)/3D-NR/BLC/ROI	WDR(120dB)/3D-NR/BLC/ROI	3D-DNR/DWDR/BLC/ROI	WDR(120dB)/3D-NR/BLC/ROI
Video Analysis	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing
Audio/Alarm	-	-	-	-	Audio & Alarm	Audio & Alarm	Audio & Alarm
Wi-Fi	-	IEEE802.11b/g/n	IEEE802.11b/g/n	-	-	-	-
SD Card Storage	-	Up to 128GB Micro SD	-	-	Up to 128GB Micro SD with ANR	Up to 128GB Micro SD	Up to 128GB Micro SD with ANR
Power supply / Consumption	6W max (12VDC)	6W max (12VDC)	6W max (12VDC)	5W max (12VDC)	6W max (12VDC)	7W max (12VDC)	6W max (12VDC)
Power Over Ethernet	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af
Protection level	IP66	IP66	IP66	IP67	IP67	IP66	IP67
Operating temperature	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Dimension	140 x 61 mm	140 x 61 mm	140 x 61 mm	154 x 70 mm	259 x 105 mm	259 x 105 mm	259 x 105 mm
Weight	500 g	500 g	500 g	500 g	1.2 Kg	1.2 Kg	1.2 Kg

	Dome IP Camera						
Model							
	SF-IPDM112HD-H	SF-IPDM934-3W	SF-IPDM943W-4	SF-IPDM212-1WI	SF-IPDM935ZW-2	SF-IPDM935ZW-4	SF-IPDM360-4
Image sensor	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS
Resolution	1.3MP@25FPS	3MP@15FPS	4MP@25FPS	2MP@25FPS	2MP@25FPS	4MP@25FPS	4MP@25FPS
Video Compression	H.264	H.264	H.264/H.264+	H.264	H.264/H.264+	H.264/H.264+	H.264/H.264+
Lens	2.8 mm	2.8 mm	4 mm	4 mm	Motorized lens 2.8 - 12 mm	Motorized lens 2.8 - 12 mm	Fisheye 1.6mm
Angle of View	103°	98.5°	103°	61°	35.1°-114.5°	35.1°-114.5°	145°
Day / Night	ICR filter	ICR filter	ICR filter	ICR filter	ICR filter	ICR filter	ICR filter
Min. Illumination	0.01 Lux / 0 Lux with IR	0.07 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR	0.01 Lux / 0 Lux with IR
IR Range	30 m Smart IR	30 m Smart IR	30 m Smart IR	30 m Smart IR	30 m Smart IR	30 m Smart IR	8m Smart IR
Image processing	3D-NR/DWDR/BLC/ROI	3D-NR/DWDR/BLC/ROI	WDR(120dB)/3D-NR/BLC/ROI	3D-NR/DWDR/BLC/ROI	WDR(120dB)/3D-NR/BLC/ROI	WDR(120dB)/3D-NR/BLC/ROI	3D-NR/BLC/ROI
Video Analysis	-	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing
Audio/Alarm	-	-	-	-	Audio & Alarm	Audio & Alarm	Audio
Wi-Fi	-	IEEE802.11b/g/n	-	IEEE802.11b/g/n	-	-	-
SD Card Storage	-	-	-	Up to 128GB Micro SD	Up to 128GB Micro SD with ANR	Up to 128GB Micro SD with ANR	Up to 128GB Micro SD
Power supply / Consumption	5W max (12VDC)	5W max (12VDC)	5W max (12VDC)	6W max (12VDC)	6W max (12VDC)	6W max (12VDC)	6W max (12VDC)
Power Over Ethernet	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af	PoE IEEE802.3af
Protection level	IP66 / IK10 vandalproof	IP66-	IP66	IP66 / IK10 vandalproof	IP67 / IK10 vandalproof	IP67 / IK10 vandalproof	IP67
Operating temperature	-10 °C ~ 40 °C	-30° C ~ +60° C	-30° C ~ +60° C	-30° C ~ +60° C	-30° C ~ +60° C	-30° C ~ +60° C	-10 °C ~ 40 °C
Dimension	82 x 111 mm	82 x 110 mm	97 x 127 mm	82 x 110 mm	100 x 140 mm	100 x 140 mm	41.2 x 119.9mm
Weight	500 g	500 g	670 g	500 g	1 Kg	1 Kg	600 g

	IP Speed Dome			
Model				
	SF-IPSD6020I-2	SF-IPSD7020-2	IPC-SD720FHD-H	SF-IPSD8030I-2
Image sensor	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS	Hi-Performance CMOS
Resolution	2MP@25FPS	2MP@25FPS	2MP@25FPS	2MP@25FPS
Lens	4.7-94 mm	4.7-94 mm	4.7-94 mm	4.3-129 mm
Vision angle	58.3°-3.2°	58.3°-3.2°	58.3°-3.2°	65.1°-2.34°
Day / Night	ICR filter	ICR filter	ICR filter	ICR filter
Min. Illumination	0.05Lux/F1.6 (Color) 0.01Lux/F1.6 (B/W)	0.05Lux/F1.4 (Color) 0.005Lux/F1.4(B/W)	0.05Lux/F1.4 (Color) 0.02Lux/F1.4(B/W)	0.05Lux/F1.6 (Color) 0.01Lux/F1.6 (B/W)
IR Range	100 m Smart IR	100 m Smart IR	100 m Smart IR	150 m Smart IR
Image processing	3D-NR/DWDR/HLC/BLC/Mask	3D-NR/DWDR/HLC/BLC/Mask	3D-NR/DWDR/HLC/BLC/Mask	3D-NR/DWDR/HLC/BLC/Mask
Video Analysis	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing	Intrusion detection / Line crossing
PTZ Range	Pan: 360° Endless Tilt: -15°~90° (Autoflip) Optical zoom: 20x Digital zoom: 16x	Pan: 360° Endless Tilt: -15°~90° (Autoflip) Optical zoom: 20x Digital zoom: 16x	Pan: 360° Endless Tilt: -15°~90° (Autoflip) Optical zoom: 20x Digital zoom: 16x	Pan: 360° Endless Tilt: -15°~90° (Autoflip) Optical zoom: 30x Digital zoom: 16x
PTZ Speed	Pan Preset Speed: 80°/s Tilt Preset Speed: 80°/s	Pan Preset Speed: 160°/s Tilt Preset Speed: 120°/s	Pan Preset Speed: 160°/s Tilt Preset Speed: 120°/s	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s
Presets	300 (8 patrols, 4 patterns) 3D intelligent positioning	300 (8 patrols, 4 patterns) 3D intelligent positioning	300 (8 patrols, 4 patterns) 3D intelligent positioning	300 (8 patrols, 4 patterns) 3D intelligent positioning
SD Card Storage	Up to 128GB Micro SD	Up to 64GB Micro SD	Up to 64GB Micro SD	Up to 128GB Micro SD
Audio	1/1	1/1	1/1	1/1
Alarm Inputs / Relay	-	1/1	-	1/1
Power Consumption	20W max (12VDC)	18W max (24VAC)	30W max (24VAC)	40W max (24VAC)
Power Over Ethernet	PoE IEEE802.3at	Hi-PoE IEEE802.3at	Hi-PoE IEEE802.3at	Hi-PoE IEEE802.3at
Protection level	IP66	IP66	IP66	IP66
Operating temperature	-30°C ~ +65° C	-30°C ~ +65° C	-30°C ~ +65° C	-30°C ~ +65° C
Dimension	295 x 164.5 mm	239.5 x 179.4 mm	353 x 220 mm	353.4 x 220 mm
Weight	2 Kg	2 Kg	5.5 Kg	4.5 Kg

Model	NVR Serie 3	NVR Serie 6		
				
	SF-NVR3108M	SF-NVR6041	SF-NVR6041-A4P	SF-NVR6081-A
Video IP input	8ch	4ch	4ch	8ch
Video Compression	H.264	H.264	H.264	H.264
Bandwidth	50 Mbps	40 Mbps	40 Mbps	80 Mbps
Max. Recording Resolution	2 Mpx	6 Mpx	6 Mpx	6 Mpx
Video Output	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/VGA
Display	1920 × 1080 Max.	1920 × 1080 Max.	1920 × 1080 Max.	1920 × 1080 Max.
Audio Input/Output	1/1, Two-way	1/1, Two-way	1/1, Two-way	1/1, Two-way
Alarm Input/Relay	-	-	4/1	4/1
Network Interface	RJ45 10/100 Mbps	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps
PoE over Ethernet	-	-	4ch PoE+ IEEE802.3af/at	-
Hard Disk	1 SATA x 4TB	1 SATA x 4TB	1 SATA x 6TB	2 SATA x 4TB
USB interface	2 × USB 2.0	1 × USB 2.0 + 1 × USB 3.0	1 × USB 2.0 + 1 × USB 3.0	1 × USB 2.0 / 1 × USB 3.0
Power/Consumption	12VDC 15 W	12VDC 15 W	48VDC 15 W	12VDC 10 W
Dimensions	255 × 205 × 45 mm	315 × 235 × 45 mm	315 × 235 × 45 mm	315 × 235 × 45 mm
Weight	1 Kg	0.9 Kg	0.9 Kg	2.5 Kg

Model	NVR Serie 6					
						
	SF-NVR6081-A8P	SF-NVR6216-8P	SF-NVR6216-A4K	SF-NVR6216-A4K16P	SF-NVR6322-A16P	SF-NVR6432-4K
Video IP input	8ch	16ch	16ch	16ch	32ch	32ch
Video Compression	H.264	H.264	H.265/H.264+/H.264	H.265/H.264+/H.264	H.264	H.265/H.264
Bandwidth	80 Mbps	80 Mbps	160 Mbps	160 Mbps	160 Mbps	256 Mbps
Max. Recording Resolution	6 Mpx	5 Mpx	8 Mpx (4K)	8 Mpx (4K)	6 Mpx	8 Mpx (4K)
Video Output	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/VGA	HDMI/VGA
Display	1920 × 1080 Max.	1920 × 1080 Max.	4K Max.	4K Max.	1920 × 1080 Max.	4K Max.
Audio Input/Output	1/1, 2 Two-way	1/1, Two-way	1/1, Two-way	1/1, Two-way	1/1, 2 Two-way	1/1, 2 Two-way
Alarm Input/Relay	4/1	-	4/1	4/1	4/1	16/4
Network Interface	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps	RJ45 10/100/1000 Mbps	2 × RJ45 10/100/1000 Mbps
PoE over Ethernet	8ch PoE+ IEEE802.3af/at	8ch PoE IEEE802.3af	-	-	16ch PoE+ IEEE802.3af/at	-
Hard Disk	2 SATA x 6TB	2 SATA x 6TB	2 SATA x 6TB	2 SATA x 6TB	2 SATA x 6TB	4 SATA x 6TB
USB interface	1 × USB 2.0 + 1 × USB 3.0	1 × USB 2.0 + 1 × USB 3.0	1 × USB 2.0 + 1 × USB 3.0	1 × USB 2.0 + 1 × USB 3.0	1 × USB 2.0 + 1 × USB 3.0	2 × USB 2.0 / 1 × USB 3.0
Power/Consumption	100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC	100~240VAC
Dimensions	380 × 210 × 45 mm	445 × 290 × 45 mm	385 × 315 × 52 mm	385 × 315 × 52 mm	380 × 310 × 45 mm	445 × 390 × 70 mm
Weight	2.5 Kg	2 Kg	3 Kg	3 Kg	2.5 Kg	5 Kg



PRO TOOLS

- Quality Professional Accessories
- Wide Range of Products
- Very Competitive Pricing

CCTV Tester



TESTER3-5N1	TESTER4-IP-3HD	TESTER7-IP-3HD
3.5" TFT-LCD	4.3" touch screen	7" touch screen
HDTV / HDCVI / HDSDI / AHD / CVBS	HDTV / HDCVI / AHD / CVBS + IP	HDTV / HDCVI / AHD / CVBS + IP
-	IP Cam: RJ45 & WiFi / Onvif / IP Ping Test / FTP & DHCP	IP Cam: RJ45 & WiFi / Onvif / IP Ping Test / FTP & DHCP
OSD Menu / UTC / PTZ Test: RS485	OSD Menu / UTC / PTZ Test: RS485 & Network	OSD Menu / UTC / PTZ Test: RS485 & Network
Cable Test: Coaxial / UTP	Cable Test: Coaxial / UTP / Ethernet	Cable Test: Coaxial / UTP / Ethernet / TDR
Multimeter & Power Output (12VDC)	Multimeter & Power Output (12VDC / USB / PoE)	Multimeter & Power Output (12VDC / USB / PoE)
Li-on Battery / Micro SD / BNC Video Out	Li-on Battery / Micro SD / HDMI & BNC Video Out	Li-on Battery / Micro SD / HDMI & BNC Video Out

PoE Switch



SW0604POE-60W	SW0908POE-120W	SW1816POE-265W
1~4 Ethernet Port 10/100Mbps	1~8 Ethernet Port 10/100Mbps	1~16 Ethernet Ports 10/100Mbps
2 Up-link port 100Mbps	1 Up-link port 100Mbps	2 Combo Up-link port 1000 Mbps
CCTV Mode available Up 250 m @ 10 Mbps	CCTV Mode available Up 250 m @ 10 Mbps	CCTV Mode not available
PoE Power IEEE 802.3at/af	PoE Power IEEE 802.3at/af	PoE Power IEEE 802.3at/af

Connectors

Model	CON100	CON100HD	CON116	CON280	CON285	CON295	CON300	CON290
Connection type	BNC Male Crimp RG59	BNC HD Male Crimp RG59	Male Solder for RG59	Female DC Power Jack	Male DC Power Jack	RCA Male Connector	RJ45 Crip Connector	BNC Male Connector
Dimensions	25 x 10mm	25 x 10mm	62 x 14 mm	38 x 13mm	36 x 13mm	36 x 13mm	20 x 10mm	40 x 13mm
Weight	5 g	5 g	16 g	5 g	5 g	5 g	5 g	12 g

Baluns

BA610-HAC	BA612P-HAC	BA609-HAC	BA621P-HAC	BA613P-HAC
Passive twisted pair transceiver	Passive twisted pair transceiver	Quick connection	Passive twisted, JR45, BNC and Jack	Passive twisted pair transceiver
Range HDTV 720p/180p; 250/250m Range HDCVI 720p/180p; 450/250m Range AHD 720p/180p; 350/200m	Range HDTV 720p/180p; 250/250m Range HDCVI 720p/180p; 450/250m	Range HDTV 720p/180p; 250/250m Range HDCVI 720p/180p; 400/250m Range AHD 720p/180p; 350/200m	Range HDTV 720p/180p; 230/230m Range HDCVI 720p/180p; 450/450m	Range HDTV 720p/180p; 230/250m Range HDCVI 720p/180p; 440/240m Range AHD 720p/180p; 320/330m
UTP category 5/6	UTP category 5/6	UTP category 5/6	UTP category 5/6	UTP category 5/6

Siamese Coax Cable

Model	COX10	COX20	COX30	COX40	COX20A
Longitud	10 meters	20 meters	30 meters	40 meters	20 meters
Connector	BNC	BNC	BNC	BNC	BNC & RCA
Combo	Power	Power	Power	Power	Power+Audio

CCTV Display



MNT19BNC	MNT24BNC
4:3	16:9 switchable to 4:3
TFT (LED Backlight)	LED RGB (IPS Hi-Performance Technology)
1280 x 1024@60Hz	1280 x 1024@65Hz
170° H / 160° V	170° H / 160° V
3D Comb Filter, Deinterlance, Noise Reduction	3D Comb Filter, Deinterlance, Noise Reduction
1xVGA, 1xHDMI, 1xS-VIDEO, 1xBNCin/out	1xVGA, 1xHDMI (oon audio), 1xS-VIDEO, 1xBNC
Audio 1xInput / 1xOutput Audio (Speaker)	Audio 1xInput / 1xOutput Audio (Speaker)

Rechargeable battery



BT1272
Voltage 12VDC
Capacity 7.0 AH
Use at stand-by 13.5-13.8 V
Cyclic use 14.5-15.0 V

VIDEO SOFTWARE

EasyView

- Mobile App and PC software allowing remote camera & DVR visualisation
- Easy and intuitive interface designed to reduce the requirement for technical assistance
- Custom user interface can be tailored with your company image
- Open system interface supports other manufacturers equipment

iOS Android Windows (coming soon)

Control Center

- Mobile App and PC software allowing remote camera & DVR visualisation
- Designed with the professional client in mind, includes advanced functions. Allows access to recorder configuration, event and storage management, includes PTZ control

iOS Android Windows

ProCloud

- Cloud based system supervision platform for professional installers
- Monitors device status and sends email notifications of system critical events such as disconnection errors, HDD fail, alarms and more.

DM Device Monitor

Red Technology SoftGuard

- Advanced supervision and monitoring software for devices connected to ARC's/RVRC's
- Compatible with all popular ARC/RVRC management platforms and 3rd party manufacturers CCTV equipment
- Instantly recover video clips for immediate logging at the ARC/RVRC

WCP Web Control Panel

- Specialised recorder access interface, adaptable to existing ARC/RVRC procedures
- Dual interface for simultaneous visualisation of alarms and live video allowing extremely efficient alarm management
- Rapid response to alarms thanks to optimised user interface for recording navigation, automatic video downloads and PTZ control