

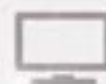
S1-2019 [www.safirecctv.com](http://www.safirecctv.com)



PRODUCT SELECTOR

**CCTV**




**ACCESS CONTROL  
VIDEO INTERCOMS**



safire

S1 2019

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## HD OVER COAXIAL CAMERAS

**ULTRA Series** 4K 5MP 2MP

- Ultra Low Light Sensors to get the best images in conditions with a minimum of light.
- True WDR of up to 130 dB provides extraordinary image quality in backlit conditions.
- Matrix LEDs for better night illumination.

**PRO Series** 4K 2MP

- Sensors with true WDR (2 MP) and Digital WDR (8 MP) provide extraordinary image quality in backlit conditions.
- Ultra Low Light sensors (2 MP) to get the best images in conditions with a minimum of light.
- Matrix LEDs for better night illumination.

**ECO Series** 5MP 2MP

Entry range for installations

- Sensors with Digital WDR

**PIR Series** 5MP 2MP PIR

- Ultra Low Light Sensors (2Mp)
- Sensors with True WDR up to 120 dB provide extraordinary image quality in backlit conditions.
- PIR motion detector with 11-meter range

**PoC Series** 5MP 2MP


- Power over Coaxial cable directly from the recorder, no extra power supply needed.
- Save on your installations with PoC (Power Over Coaxial) technology

**NightCOLOR Series**

- Sensors with Night Colour technology provide a colour image with a minimum amount of illumination.
- Sensors with True WDR up to 120 dB provide extraordinary image quality in backlit conditions.

**Speed Dome Series** 2MP

- Optical zoom up to x30
- Sensors with True WDR up to 120 dB provide extraordinary image quality in backlit conditions.

	ULTRA Series
<b>Model</b>	 SF-T855ZUW-8U4N1
<b>Image Sensor Type</b>	8Mpx High performance CMOS Ultra Low light
<b>Effective pixel</b>	3840 (H) × 2160 (V)
<b>Focal length</b>	2.7 - 13.5 mm AutoFocus MotorZoom
<b>Field of view</b>	108°-45°
<b>Video output</b>	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS
<b>Video resolution</b>	8Mpx@15fps (3840x2160) 5Mpx@20fps (2592x1944) 4Mpx@30fps (2560x1440) 1080p@30fps (1920x1080)
<b>Day/Night</b>	Day/Night, IR CUT filter
<b>Min. illumination</b>	0.003 Lux@F1.2
<b>Infrared illumination</b>	Matrix IR LED, Up to 60 m
<b>OSD Menu</b>	OSD by coax HDTVI, HDCVI, AHD
<b>Shutter speed</b>	1/15-1/50.000 s
<b>Noise Reduction</b>	3D-NR
<b>Backlight</b>	WDR (130dB), BLC
<b>IR functions</b>	Smart IR
<b>Others</b>	AWB, AGC, Defog, Mirror, Mask
<b>Power supply</b>	DC12V, 8,6W max.
<b>Working conditions</b>	-40°~+60° C
<b>Protection grade</b>	IP67
<b>Dimensions</b>	134 x 124 x 110mm / 580 gr







	ULTRA Series				
<b>Model</b>					
<b>Image Sensor Type</b>	8Mpx High performance CMOS -	5Mpx High performance CMOS Ultra Low Light	5Mpx High performance CMOS Ultra Low Light	5Mpx High performance CMOS Ultra Low Light	5Mpx High performance CMOS Ultra Low Light
<b>Effective pixel</b>	3840 (H) × 2160 (V)	2560 (H) × 1944 (V)	2560 (H) × 1944 (V)	2560 (H) × 1944 (V)	2560 (H) × 1944 (V)
<b>Focal length</b>	2.7 - 13.5 mm AutoFocus MotorZoom	2,8 mm	2,8 mm	2.8-13,5 mm Varifocal Lens	2.8-13,5 mm Varifocal Lens
<b>Field of view</b>	108°-46°	98°	98°	96° - 29°	96° - 29°
<b>Video output</b>	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS				
<b>Video resolution</b>	8Mpx@15fps (3840x2160) 5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440) 1080p@25fps (1920x1080)	5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440) 1080p@30fps (1920x1080)	5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440) 1080p@30fps (1920x1080)	5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440) 1080p@30fps (1920x1080)	5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440) 1080p@30fps (1920x1080)
<b>Day/Night</b>	Day/Night, IR CUT filter				
<b>Min. illumination</b>	0.003 Lux@F1.2				
<b>Infrared illumination</b>	Matrix IR LED, Up to 80 m	Matrix IR LED, Up to 30 m	Matrix IR LED, Up to 30 m	Matrix IR LED, Up to 60 m	Matrix IR LED, Up to 60 m
<b>OSD Menu</b>	OSD by coax HDTVI, HDCVI, AHD				
<b>Shutter speed</b>	1/25-1/50.000 s				
<b>Noise Reduction</b>	3D-NR	3D-NR	3D-NR (Nine levels of intensity)	3D-NR	3D-NR
<b>Backlight</b>	WDR (130dB), BLC				
<b>IR functions</b>	Smart IR				
<b>Others</b>	AWB, AGC, Defog, Mirror, Mask				
<b>Power supply</b>	DC12V, 11W max.	DC12V, 5,8W max.	DC12V, 5,8W max.	DC12V, 7,4W max.	DC12V, 8W max.
<b>Working conditions</b>	-40°~+60° C				
<b>Protection grade</b>	IP67	IP67	IP67	IP67	IP67, IK10
<b>Dimensions</b>	85 x 92 x 255 mm / 925gr	80 x 90 (Ø) mm / 300 gr	58 x 61 x 159mm / 320gr	110 x 124 (Ø) mm / 600 gr	124 x 145 (Ø) mm / 640 gr

ULTRA Series				
Model				
	SF-CV788UZW-Q4N1	SF-DM836KWU-F4N1	SF-DM942KWU-F4N1	SF-CV022KWU-F4N1
Image Sensor Type	5Mpx High performance CMOS Ultra Low Light	2Mpx High performance CMOS Ultra Low Light	2Mpx High performance CMOS Ultra Low Light	2Mpx High performance CMOS Ultra Low Light
Effective pixel	2560 (H) × 1944 (V)	1920 (H) × 1080 (V)	1920 (H) × 1080 (V)	1920 (H) × 1080 (V)
Focal length	2.8-13.5 mm Varifocal Lens	2,8mm	2,8mm	2,8mm
Field of view	93° - 29°	104°	104°	104°
Video output	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS			
Video resolution	5Mpx@20fps (2592×1944) 4Mpx@25fps (2560×1440) 1080p@30fps (1920×1080)	1080p@25fps	1080p@25fps	1080p@25fps
Day/Night	Day/Night, IR CUT filter			
Min. illumination	0.003 Lux@F1.2	0.005 Lux@F1.2	0.005 Lux@F1.2	0.005 Lux@F1.2
Infrared illumination	Matrix IR LED, Up to 80 m	Matrix IR LED, Up to 20 m	Matrix IR LED, Up to 20 m	Matrix IR LED, Up to 20 m
OSD Menu				
Shutter speed	1/25-1/50.000 s	1/25-1/50.000 s	1/25-1/50.000 s	1/25-1/50.000 s
Noise Reduction	3D-NR	3D-NR (Ten levels of intensity)	3D-NR (Ten levels of intensity)	3D-NR (Ten levels of intensity)
Backlight	WDR (130dB), BLC	WDR 120db, HLC, BLC, AE	WDR 120db, HLC, BLC, AE	WDR 120db, HLC, BLC, AE
IR functions				
Others	AWB, AGC, Defog, Mirror, Mask	Sense-Up, AWB, AGC, Mirror, Mask	Sense-Up, AWB, AGC, Mirror, Mask	Sense-Up, AWB, AGC, Mirror, Mask
Power supply	DC12V, 10,5W max.	DC12V, 3,2W max.	DC12V, 3,6W max.	DC12V, 3,6W max.
Working conditions	-40°~+60° C			
Protection grade	IP67	IP67, IK10	IP67	IP67
Dimensions	85 x 92 x 255mm / 930gr	82 x 111 (Ø) mm / 350 gr	91 x 83 x 68 mm / 350gr	58 x 61 x 163 mm / 350gr





ULTRA Series				
Model				
	SF-MC101UW-FTVI	SF-DM832ZWU-F4N1	SF-DM855ZWU-F4N1	SF-CV788ZKWU-F4N1
Image Sensor Type	2Mpx High performance CMOS Ultra Low Light			
Effective pixel	1920 (H) × 1080 (V)			
Focal length	3,7mm	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom
Field of view	71°	103°-32°	103°-32°	103°-32°
Video output	1 X BNC, HDTVI	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS
Video resolution	1080p@25fps (1920x1080)			
Day/Night	Day/Night, IR CUT filter			
Min. illumination	0.0005 Lux@F1.2	0.005 Lux@F1.2	0.005 Lux@F1.2	0.005 Lux@F1.2
Infrared illumination	-	Matrix IR LED, Up to 40 m	Matrix IR LED, Up to 40 m	Matrix IR LED, Up to 40 m
OSD Menu	OSD by coax HDTVI	OSD by coax HDTVI, HCDVI, AHD	OSD by coax HDTVI, HCDVI, AHD	OSD by coax HDTVI, HCDVI, AHD
Shutter speed	1/25-1/50.000 s			
Noise Reduction	3D-NR (Ten levels of intensity)	3D-NR (Ten levels of intensity)	3D-NR (Ten levels of intensity)	3D-NR
Backlight	WDR (120dB), BLC	WDR 120db, HLC, BLC, AE	WDR 120db, HLC, BLC, AE	WDR 120db, HLC, BLC, AE
IR functions	Smart IR			
Others	AWB, AGC, Defog, Mirror, Mask	Sense-Up, AWB, AGC, Mirror, Mask	Sense-Up, AWB, AGC, Mirror, Mask	Sense-Up, AWB, AGC, Mirror, Mask
Power supply	DC12V, 1,5W max.	DC12V, 6W max.	DC12V, 7,5W max.	DC12V, 9W max.
Working conditions	-40°~+60° C	-40°~+60° C	-40°~+60° C	-40°~+60° C
Protection grade	-	IP67, IK10	IP67	IP67
Dimensions	32 x 32 x 22mm / 200gr	100 x 141 (Ø) mm / 800 gr	134 x 124 x 111 mm / 750gr	92 x 89 x 270 mm / 900gr

	PRO Series				
Model					
	SF-T942-8P4N1	SF-B022-8P4N1	SF-B038-8P4N1	SF-T855Z-8P4N1	SF-T903SW-2P4N1
Image Sensor Type	8Mpx High performance CMOS	8Mpx High performance CMOS	8Mpx High performance CMOS	8Mpx High performance CMOS	2Mpx High performance CMOS Ultra Low Light
Effective pixel	3840 (H) x 2160 (V)	3840 (H) x 2160 (V)	3840 (H) x 2160 (V)	3840 (H) x 2160 (V)	1920 (H) x 1080 (V)
Focal length	2,8mm	2,8mm	6mm	2.8-13,5 mm Varifocal Lens	2,8mm
Field of view	102°	102°	51°	108°-45°	106°
Video output	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS				
Video resolution	8Mpx@15fps (3840x2160) 5Mpx@20fps (2592x1944) 4Mpx@30fps (2560x1440) 1080p@30fps (1920x1080)	8Mpx@15fps (3840x2160) 5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440) 1080p@25fps (1920x1080)	8Mpx@15fps (3840x2160) 5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440) 1080p@25fps (1920x1080)	8Mpx@15fps (3840x2160) 5Mpx@20fps (2592x1944) 4Mpx@30fps (2560x1440) 1080p@30fps (1920x1080)	1080p@30fps (1920x1080)
Day/Night	Day/Night, IR CUT filter				
Min. illumination	0.01 Lux@F1.2	0.01 Lux@F1.2	0.01 Lux@F1.2	0.005 Lux@F1.2	0.005 Lux@F1.2
Infrared illumination	Matrix IR LED, Up to 30 m	Matrix IR LED, Up to 30 m	Matrix IR LED, Up to 80 m	Matrix IR LED, Up to 60 m	Matrix IR LED, Up to 30 m
OSD Menu	OSD by coax HDTVI, HDCVI, AHD	OSD by coax HDTVI, HDCVI, AHD	OSD by coax HDTVI, HDCVI, AHD	OSD by coax HDTVI, HDCVI, AHD	OSD by coax HDTVI, HDCVI, AHD
Shutter speed	1/25-1/50.000 s	1/12.5-1/10.000 s	1/12.5-1/10.000 s	1/15-1/50.000 s	1/15-1/50.000 s
Noise Reduction	DNR	DNR	DNR	DNR	3D-NR (Nine levels of intensity)
Backlight	DWDR	DWDR, BLC, SC	DWDR, BLC, SC	DWDR	WDR (120dB)
IR functions	Smart IR	Smart IR	Smart IR	Smart IR	Smart IR
Others	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask
Power supply	DC12V, 5,8W max.	DC12V, 5,5W max.	DC12V, 6W max.	DC12V, 8,6W max	DC12V, 4,6W max.
Working conditions	-40°~+60° C				
Protection grade	IP67				
Dimensions	80 x 90 (Ø) mm / 310 gr	58 x 61 x 160 mm / 345gr	82 x 87 x 218 mm / 445gr	134 x 124 x 110mm / 580 gr	70 x 86 (Ø) mm / 150 gr

	PRO Series				
Model					
	SF-T942SW-2P4N1	SF-T943SW-2P4N1	SF-B022SW-2P4N1	SF-T855ZSW-2P4N1	SF-B788ZSW-2P4N1
Image Sensor Type	2Mpx High performance CMOS Ultra Low light				
Effective pixel	1920 (H) x 1080 (V)				
Focal length	2,8mm	2,8mm	2,8mm	2.7-13 mm Varifocal Lens	2.7-13mm Varifocal Lens
Field of view	106°	106°	106°	102°-31°	102°-31°
Video output	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS				
Video resolution	1080p@25fps (1920x1080)				
Day/Night	Day/Night, IR CUT filter				
Min. illumination	0.005 Lux@F1.2				
Infrared illumination	Matrix IR LED, Up to 30 m	Matrix IR LED, Up to 50 m	Matrix IR LED, Up to 30 m	Matrix IR LED, Up to 70 m	Matrix IR LED, Up to 70 m
OSD Menu	OSD by coax HDTVI, HDCVI, AHD				
Shutter speed	1/25-1/50.000 s	1/25-1/50.000 s	1/25-1/10.000 s	1/25-1/50.000 s	1/25-1/10.000 s
Noise Reduction	3D-NR	3D-NR (Nine levels of intensity)	3D-NR (Nine levels of intensity)	3D-NR (Nine levels of intensity)	3D-NR (Nine levels of intensity)
Backlight	WDR (120dB), BLC				
IR functions	Smart IR				
Others	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask
Power supply	DC12V, 4,6W max.	DC12V, 4,6W max.	DC12V, 4,6W max.	DC12V, 7,7W max.	DC12V, 9,8W max.
Working conditions	-40°~+60° C				
Protection grade	IP67				
Dimensions	68 x 90 (Ø) mm / 240 gr	91 x 110 (Ø) mm / 302 gr	58 x 61 x 255158 mm / 325gr	123 x 110 x 134mm / 600gr	85 x 92 x 255 mm / 700gr




ECO Series						
Model						
	SF-DM942K-Q4N1	SF-DM836K-Q4N1	SF-CV022K-Q4N1	SF-DM832Z-Q4N1	SF-DM855Z-Q4N1	SF-CV788Z-Q4N1
Image Sensor Type	5Mpx High performance CMOS					
Effective pixel	2560 (H) × 1944 (V)					
Focal length	2,8mm	2,8mm	2,8mm	2.8-13,5 mm Varifocal Lens	2.8-13,5 mm Varifocal Lens	2.7-13,5 mm AutoFocus MotorZoom
Field of view	86°	86°	86°	96° - 29°	96° - 29°	96° - 29°
Video output	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS					
Video resolution	5 MP@20fps, 4 MP@25fps	5 MP@20fps, 4 MP@25fps	5Mpx@20fps (2592×1944) 4Mpx@25fps (2560×1440) 1080p@30fps (1920×1080)	5Mpx@20fps (2592×1944) 4Mpx@25fps (2560×1440) 1080p@30fps (1920×1080)	5Mpx@20fps (2592×1944) 4Mpx@25fps (2560×1440) 1080p@30fps (1920×1080)	5 MP@20fps, 4 MP@25fps
Day/Night	Day/Night, IR CUT filter					
Min. illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR					
Infrared illumination	Matrix IR LED, Up to 20 m	Matrix IR LED, Up to 20 m	Matrix IR LED, Up to 20 m	Matrix IR LED, Up to 40 m	Matrix IR LED, Up to 40 m	Matrix IR LED, Up to 40 m
OSD Menu	OSD by coax HDTVI, HDCVI, AHD					
Shutter speed	1/25-1/50.000 s					
Noise Reduction	2D-NR					
Backlight	DWDR, BLC					
IR functions	Smart IR					
Others	ATW, AWB, AGC	ATW, AWB, AGC	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Defog, Mirror, Mask	ATW, AWB, AGC
Power supply	DC12V, 4,5W max.	DC12V, 4,5W max.	DC12V, 4,3W max.	DC12V, 6W max.	DC12V, 6,3W max.	DC12V, 9W max.
Working conditions	-40°~+60° C					
Protection grade	IP67	IP67, IK10	IP67	IP67, IK10	IP67	IP67
Dimensions	91 x 83 x 68 mm / 350 gr	83 x 111 (Ø) mm / 350 gr	58 x 61 x 163mm / 350gr	111 x 145 (Ø) mm / 850 gr	110 x 124 (Ø) mm / 580 gr	85 x 92 x 255 mm / 700 gr

ECO Series							
Model							
	SF-DM942IB-F4N1	SF-DM943-F4N1	SF-CV022IB-F4N1	SF-DM941IB-F4N1 (White) SF-DM941I-F4N1 (Black)	SF-CV029-F4N1	SF-DM955VIB-F4N1	SF-CV788VIB-F4N1
Image Sensor Type	2Mpx High performance CMOS						
Effective pixel	1920 (H) × 1080 (V)						
Focal length	2.8mm	2.8mm	2.8mm	3.6mm	3.6mm	2.8-12mm	2.8-12mm
Field of view	103°	103°	103°	83°	82°	102°-32°	102°-32°
Video output	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS						
Video resolution	1080p@25fps (1920x1080) 720p@50fps (1280x720)						
Day/Night	Day/Night, IR CUT filter						
Min. illumination	0.01 Lux@F1.2						
Infrared illumination	IR LED, Up to 20 m	IR LED, Up to 40 m	IR LED, Up to 20 m	IR LED, Up to 20 m	IR LED, Up to 20 m	IR LED, Up to 40 m	Matrix IR LED, Up to 40 m
OSD Menu	OSD by coax HDTVI, HDCVI, AHD						
Shutter speed	1/25-1/50.000 s						
Noise Reduction	2D-NR						
Backlight	DWDR, BLC						
IR functions	Smart IR						
Others	AWB, AGC						
Power supply	DC12V, 4W max.						
Working conditions	-40°~+60° C						
Protection grade	IP66						
Dimensions	89.5 × 68 (Ø) mm / 350 gr	93 x 110 (Ø) / 400 gr	100 x 140 (Ø) mm / 400 gr	68 x 90 (Ø) mm / 340 gr	155 x 70 (Ø) / 400 gr	102.4 x 130.5 (Ø) / 700 gr	270 x 92 x 95 mm / 900 gr






1080p PIR Series				
Model				
	SF-B025-PIR-5PTVI	SF-DM943UW-PIR-FTVI	SF-CV035UW-PIRL-FTVI	SF-CV025UW-PIR-FTVI
Image Sensor Type	5Mpx High performance CMOS	2Mpx High performance CMOS Ultra Low Light	2Mpx High performance CMOS Ultra Low Light	2Mpx High performance CMOS Ultra Low Light
Effective pixel	2560 (H) x 1944 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)
Focal length	2,8mm			
Field of view	104°			
Video output	1 X BNC, HDTV			
Video resolution	5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440) 1080p@30fps (1920x1080)	1080p@25fps (1920x1080)	1080p@25fps (1920x1080)	1080p@25fps (1920x1080)
Day/Night	Day/Night, IR CUT filter			
Min. illumination	0.01 Lux@F1.2	0.005 Lux@F1.2	0.005 Lux@F1.2	0.005 Lux@F1.2
Infrared illumination	Matrix IR LED, Up to 20 m			
OSD Menu	OSD by coax HDTV			
Shutter speed	1/25-1/50.000 s			
Noise Reduction	DNR	3D-NR (Ten levels of intensity)	3D-NR (Ten levels of intensity)	3D-NR (Ten levels of intensity)
Backlight	WDR (120dB), BLC, SC, AWB, AGC		WDR (120dB), BLC, SC, AWB, AGC	
IR functions	Smart IR			
Others	Real PIR available PIR Range: 11m, PIR Angle 110°	Real PIR available PIR Range: 11m, PIR Angle 110°	Real PIR available PIR Range: 11m, PIR Angle 110°	Real PIR available PIR Range: 11m, PIR Angle 110°
Power supply	DC12V, 4W max.	DC12V, 4,5W max.	DC12V, 4,5W max.	DC12V, 4,5W max.
Working conditions	-40°~+60° C			
Protection grade	IP67	IP67	IP67	IP67
Dimensions	68 x 70 x 180 mm / 345gr	90 x 110 (Ø) mm / 350 gr	89 x 81 x 225mm / 450gr	68 x 70 x 180 mm / 350gr

POC Series					
Model					
	SF-CV788ZP-5MT	SF-DM935ZP-5MT	SF-DM855ZP-5MT	SF-B788ZP-5PTVI	SF-DM943P-FTVI
Image Sensor Type	5 Mpx High performance CMOS	5Mpx High performance CMOS	5Mpx High performance CMOS	5Mpx High performance CMOS	2Mpx High performance CMOS
Effective pixel	2560 (H) x 1944 (V)	2560 (H) x 1944 (V)	2560 (H) x 1944 (V)	2560 (H) x 1944 (V)	1920 (H) x 1080 (V)
Focal length	2.8-12 mm MotorZoom	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom	2.8-13,5 mm Varifocal Lens	2.8 mm
Field of view	102°-32°	90°-28°	90°-28°	96° - 29°	103°
Video output	1 X BNC, HDTV				
Video resolution	5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440)	5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440)	5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440)	5Mpx@20fps (2592x1944) 4Mpx@25fps (2560x1440) 1080p@30fps (1920x1080)	1080p@25fps (1920x1080)
Day/Night	Day/Night, IR CUT filter				
Min. illumination	0.01 Lux@F1.2				
Infrared illumination	Matrix IR LED, Up to 40 m	Matrix IR LED, Up to 40 m	Matrix IR LED, Up to 40 m	Matrix IR LED, Up to 40 m	Matrix IR LED, Up to 20 m
OSD Menu	OSD by coax HDTV				
Shutter speed	1/25-1/50.000 s				
Noise Reduction	2D-NR				
Backlight	DWDR, HLC, BLC	DWDR, HLC, BLC	DWDR, HLC, BLC	DWDR	DWDR, BLC
IR functions	Smart IR				
Others	AWB, AGC, LSC, Mirror	AWB, AGC, LSC, Mirror	AWB, AGC, LSC, Mirror	AWB, AGC, Defog, Mirror, Mask	AWB, AGC, Mirror
Power supply	DC12V, 6W max. Built-in PoC.Af	DC12V, 8W max. Built-in PoC.Af	DC12V, 8W max. Built-in PoC.Af	DC12V, 7,8W max. Built-in PoC.Af	Built-in PoC.Af DC12V, 4W max.
Working conditions	-40°~+60° C				
Protection grade	IP67	IP67, IK10	IP67	IP67	IP66
Dimensions	85 x 92 x 270 mm / 900 gr	125 X 145 (Ø) mm / 1600gr	134 x 124 x 111 mm / 1600gr	85 x 92 x 255mm / 685gr	93 x 110 (Ø) mm / 350 gr

POC Series					
Model					
	SF-CV029P-FTVI	SF-DM855ZWUP-FTVI	SF-DM955VP-FTVI	SF-CV788ZWUP-FTVI	SF-CV788VP-FTVI
Image Sensor Type	2Mpx High performance CMOS	2Mpx High performance CMOS Ultra Low Light	2Mpx High performance CMOS	2Mpx High performance CMOS Ultra Low Light	2Mpx High performance CMOS
Effective pixel	1920 (H) x 1080 (V)				
Focal length	2.8 mm	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm Varifocal Lens	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm
Field of view	103°	103°-32°	102°-32°	103°-32°	102°-32°
Video output	1 X BNC, HDTVI				
Video resolution	1080p@25fps (1920x1080)				
Day/Night	Day/Night, IR CUT filter				
Min. illumination	0.01 Lux@F1.2	Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR	0.01 Lux@F1.2	Color: 0.005 Lux @ (F1.2, AGC ON), 0 Lux with IR	0.01 Lux@F1.2
Infrared illumination	IR LED, Up to 20 m	Matrix IR LED, Up to 40 m	IR LED, Up to 40 m	Matrix IR LED, Up to 40 m	IR LED, Up to 40 m
OSD Menu	OSD by coax HDTVI				
Shutter speed	1/25-1/50.000 s				
Noise Reduction	2D-NR	3D-NR (Ten levels of intensity)	2D-NR	3D-NR (Ten levels of intensity)	2D-NR
Backlight	DWDR, BLC	WDR (120dB), BLC	DWDR, BLC	WDR (120dB), BLC	DWDR, BLC
IR functions	Smart IR				
Others	AWB, AGC, Mirror				
Power supply	Built-in PoC.Af DC12V, 4W max.	Built-in PoC.Af DC12V, 7,5W max.	Built-in PoC.Af DC12V, 4W max.	Built-in PoC.Af DC12V, 8,5W max.	Built-in PoC.Af DC12V, 4W max.
Working conditions	-40°~+60° C				
Protection grade	IP66	IP67	IP66	IP67	IP66
Dimensions	154 x 70 (Ø) mm / 400 gr	134 x 124 x 111 mm / 750gr	102 x 130 (Ø) mm / 710 gr	92 x 89 x 270 mm / 900gr	92 x 92 x 267 mm / 900 gr

NIGHT COLOR Series			
Model			
	SF-DM943WC-F4N1	SF-CV025WC-F4N1	SF-CV035WC-F4N1
Image Sensor Type	2Mpx High performance CMOS Night Color		
Effective pixel	1920 (H) x 1080 (V)		
Focal length	3,6mm		
Field of view	84°		
Video output	1 X BNC switchable HDTVI, HCDVI, AHD, CVBS		
Video resolution	1080p@25fps (1920x1080)		
Day/Night	Day/Night, IR CUT filter		
Min. illumination	0.0005 Lux@F1.0		
Infrared illumination	Strobe light up to 20m		
OSD Menu	OSD by coax HDTVI, HDCVI, AHD		
Shutter speed	1/25-1/50.000 s		
Noise Reduction	3D-NR		
Backlight	WDR (120dB), BLC		
IR functions	Smart Light		
Others	AWB, AGC, Defog, Mirror, Mask		
Power supply	DC12V, 3W max.	DC12V, 3W max.	DC12V, 4,2W max.
Working conditions	-40°~+60° C		
Protection grade	IP67		
Dimensions	86 x 110 (Ø) mm / 340 gr	68 x 70 x 181mm / 390gr	83 x 77 x 223mm / 436gr



SPEED DOME Series					
Model					
	SF-SD6025IW-F4N1	SF-SD7025W-F4N1	SF-SD6525W-F4N1	SF-SD8725W-F4N1	SF-SD8630IT-FTVI
Image Sensor Type	1/2.8" Progressive Scan CMOS				
Effective pixel	1920 (H) × 1080 (V)				
Focal length	4.8-120mm AutoFocus MotorZoom				
Optical/Digital Zoom	25X / 16X	25X / 16X	25X/16X	25X/16X	30X / 16X
Field of view	H: 57°- 2,5°	H: 58°- 2,5°	H: 58°- 2,5°	H: 58°- 2,5°	H: 65°- 2.3°
Video output	1 X BNC, HDTV, HCDVI, AHD, CVBS	1 X BNC, HDTV, HCDVI, AHD, CVBS	1 X BNC, HDTV, HCDVI, AHD, CVBS	1 X BNC, HDTV, HCDVI, AHD, CVBS	1 X BNC, HDTV
Video resolution	1920×1080@25fps	1920×1080@25fps	1920×1080@25fps	1920×1080@25fps	1080p@25fps (1920x1080)
Day/Night	Day/Night, IR CUT filter				
Min. illumination	Color: 0.005Lux@F1.6 B/W: 0.001Lux@F1.6				
Infrared illumination	LEDs IR, Up to 100 m	-	-	-	LEDs IR, Up to 120 m
OSD Menu	OSD by coax	OSD by coax	OSD by coax	OSD by coax	OSD by coax HDTV
Shutter speed	1-1/10.000 s				
Noise Reduction	3D-NR				
Backlight	WDR,BLC	WDR(120dB),BLC	WDR(120dB),BLC	WDR(120dB),BLC	WDR,BLC
IR functions	Smart IR	-	-	-	Smart IR
Others	AWB, ATW	AWB, ATW	ATW	ATW	<b>AutoTracking</b> , AWB, ATW, Mask
Pan Range/Speed	360° endless; 0.1° to 80° /s	360° endless; 0.1° to 100° /s	360° endless; 0.1° to 100° /s	360° endless; 0.1° to 250° /s	360° endless; 0.1° to 180° /s
Tilt Range/Speed	-15° to 90°; 0.1° to 80° /s	5° to 90°; 0.1° to 80° /s	5° to 90°; 0.1° to 80° /s	-15° to 90°; 0.1° to 150° /s	
Number of presets	256 Presets 10 Patrols, Up to 32 presets/patrol 5 Patterns, Up to 10 min./pattern	256 Presets 10 Patrols, Up to 32 presets/patrol 5 Patterns, Up to 10 min./pattern	256 Presets 10 Patrols, Up to 32 presets/patrol 5 Patterns, Up to 10 min./pattern	256 Presets 10 Patrols, Up to 32 presets/patrol 5 Patterns, Up to 10 min./pattern	300 Presets 10 Patrols, Up to 32 presets/patrol 5 Patterns, Up to 10 min./pattern
Protocol	Supported RS-485, Protocols: Pelco-P, Pelco-D, SAFIRE, Others				
In/Out Alarm	-	-	-	-	2/1
Power supply	AC24V, 1,8A , 20W max.	AC24V, max 16W	DC12V, 12W max.	24 VAC, 24W max.	AC24V, 2A (Max. 48W) Included
Working conditions	-30°~+65° C				
Protection grade	IP66				
Dimensions	295x 164,5 (Ø) mm / 4,5Kg	240 mm x 179 (Ø) mm/ 2Kg	165 mm x 180 (Ø) mm/ 2Kg	326 mm x 220 (Ø) mm/ 3Kg	353 x 220 (Ø) mm / 4.5 Kg



The new improved APP FOR MOBILE



### P2P without creating an account

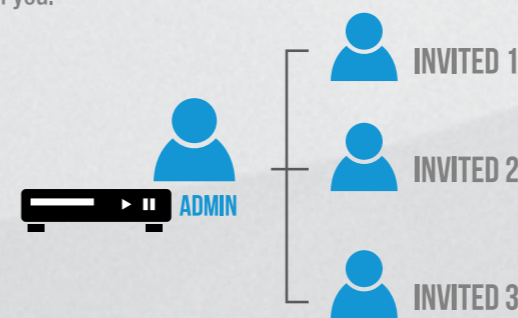
The new visitor mode makes it possible to add devices directly to the app by P2P, simply scanning the QR code in the recorder or IP camera without needing to create an account.



### Sharing devices with others

Once the device has been added to Safire Connect it is possible to share it with other users simply by scanning the QR of that user's app and assign the access permissions to the device that you want to share.

With a quick look you can see your shared devices, as well as those that have been shared with you.



### All security systems in one app

Safire Connect is not only video surveillance. Now the management of other Safire security systems, access control, video intercom and intrusion has also been integrated. New products, new services, all in the same app.



### Real-time push notifications

Get instant notifications in the mobile app with high reliability and notification speed thanks to distributed servers. Instant and stable notifications



## HD OVER COAXIAL DVR

**5N1 DVR**  
Professional DCTV Digital Video Recorders, support 5 video transmission technologies: HDTVl (native technology), HDCVI, AHD, CVBS and IP.

**DVR Series 8 4K**  
• Smart codec H.265+ and H.265 Pro+ saves between 80%-90% of hard drive space versus H.264  
• Video analysis: Line crossing, area intrusion, audio exception

**DVR Series 6 4MP**  
• Smart codec H.265+ and H.265 Pro+ saves between 80%-90% of hard drive space versus H.264  
• Video analysis: Line crossing, area intrusion, audio exception.

**DVR Series 3 1080P**  
• Codec H.264+  
• Video analysis: Line crossing, area intrusion, audio exception.

**True Sense Series 4K 4MP**  
What is True Sense? - STOP False alarms  
True Sense technology is based on Safire's Deep Learning algorithm, which achieves much deeper image processing than conventional intelligent algorithms.  
True Sense can with great precision distinguish a human body and a vehicle in a scenery with numerous objects.

Not only can it detect the entry of a human figure or a vehicle, but it can also filter out false alarms that could have been triggered by non-relevant and non-threatening moving objects.

The application of Deep Learning to DCTV allows a better and more intelligent processing of information, which improves the capacity for response analysis and goes beyond normal video surveillance.

**Intelligent Search**  
The Safire recorders can perform intelligent searches where you quickly and easily can search for specific events in large amounts of data and images. The True Sense Series can also perform intelligent searches for images where people or vehicles appear.





**PoC Series 4K 4MP**  
The PoC recorders are compatible with HD OVER COAXIAL PoC Series Cameras.  
• Power over coaxial cable directly from the recorder, no extra power supply needed.  
• Save on your installations with PoC (Power Over Coaxial) technology


	8 Series		
<b>Model</b>			
	SF-HTVR8104A-4K	SF-HTVR8104A-HEVC	SF-HTVR8104H
<b>Video standard</b>	HDTVl/HDCVI/AHD/CBVS/IP		
<b>Video input</b>	4ch BNC +2 IP (Extra) Up to 6Mpx Max 4ch IP exchange to Channel BNC	4ch BNC +2 IP (Extra) Up to 6Mpx Max 4ch IP exchange to Channel BNC	4ch BNC + 4 IP (Extra) Up to 4K
<b>Encoding resolution</b>	8Mpx@12FPS; 5Mpx@20FPS; 4Mpx/1080P@25FPS	8Mpx@12FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	5Mpx@12FPS; 4Mpx@15FPS; 1080P@25FPS
<b>Compression Video</b>	H265+/H264+/H265/H264	H265+/H264+/H265/H264	H.265Pro+/H264+/H265/H264
<b>Video output</b>	1X HDMI 4K 1X VGA (1080p) 1 X BNC Spot	1X HDMI (1080p) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (1080p) 1X VGA (1080p) 1 X BNC Spot
<b>Audio inputs/outputs</b>	4/1		
<b>Alarm/Relay</b>	4/1	4/1	-/-
<b>Video analysis</b>	Intrusion detection/Line crossing/Audio exception		
<b>Auxiliary interfaces</b>	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control	1X RJ45 10/100 Mbps 2X USB 2,0 1X RS-485 PTZ Control
<b>Storage</b>	1 X SATA Port up to 8TB	1 X SATA Port up to 8TB	1 X SATA Port up to 10TB
<b>Power</b>	12V DC/ 15W	12V DC, 10W Max.	12V DC/ 15W Max
<b>Dimensions / Weight</b>	315x242x45mm/1,5Kg	315x242x45mm/1,16Kg	200x200x45mm/1,16Kg

	8 Series						
<b>Model</b>							
	SF-HTVR8208A-4K	SF-HTVR8108A-HEVC	SF-HTVR8108H	SF-HTVR8208A-4K	SF-HTVR8216A-HEVC	SF-HTVR8424A-HECV	SF-HTVR8432A-HECV
<b>Video standard</b>	HDTVl/HDCVI/AHD/CBVS/IP						
<b>Video input</b>	8ch BNC +2 IP (Extra) Up to 6Mpx Max 8ch IP exchange to Channel BNC	8ch BNC +4 IP (Extra) Up to 6Mpx Max 8ch IP exchange to Channel BNC	8ch BNC +8 IP (Extra) Up to 6Mpx Max 4ch IP exchange to Channel BNC	8ch BNC +2 IP (Extra) Up to 6Mpx Max 8ch IP exchange to Channel BNC	16ch BNC +8 IP (Extra) Up to 6Mpx Max 16ch IP exchange to Channel BNC	24ch BNC +8 IP (Extra) Up to 8Mpx Max 32ch IP exchange to Channel BNC	32ch BNC +8 IP (Extra) Up to 8Mpx Max 40ch IP exchange to Channel BNC
<b>Encoding resolution</b>	8Mpx@12FPS; 5Mpx@20FPS; 4Mpx/1080P@25FPS	8Mpx@8FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	8Mpx@8FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	8Mpx@8FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	8Mpx@8FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	8Mpx@8FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	8Mpx@8FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS
<b>Compression Video</b>	H265+/H264+/H265/ H264	H265+/H264+/H265/ H264	H.265Pro+,H265+/ H264+/H265/H264	H265+/H264+/H265/ H264	H265+/H264+/H265/ H264	H265+/H264+/H265/ H265	H265+/H264+/H265/ H266
<b>Video output</b>	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (4K) 1X HDMI (1080P) 1X VGA (1080p) 1 X BNC Spot
<b>Audio inputs/outputs</b>	4/1	4/1	1/1	4/1	4/1	4/1	4/1
<b>Alarm/Relay</b>	8/4	8/4	-/-	8/4	16/4	16/4	16/4
<b>Video analysis</b>	Intrusion detection/Line crossing/Audio exception						
<b>Auxiliary interfaces</b>	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control	1X RJ45 10/100 Mbps 2X USB 2,0 1X RS-485 PTZ Control	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control	1 X RJ45 10/100/1000 Mbps 1 X USB 2,0 1 X USB 3,0 1 X RS-485 PTZ Control 1 X RS-232	1 X RJ45 10/100/1000 Mbps 1 X USB 2,0 1 X USB 3,0 1 X RS-485 PTZ Control 1 X RS-232
<b>Storage</b>	2 X SATA Port up to 8TB	1 X SATA Port up to 8TB	1 X SATA Port up to 10TB	2 X SATA Port up to 8TB	2 X SATA Port up to 8TB	4 X SATA Port up to 8TB	4 X SATA Port up to 8TB
<b>Power</b>	12V DC/ 20W	12V DC, 20W Max	12V DC, 15W Max.	12V DC/ 20W	12V DC, 25W Max.	100 to 240 vac, Up to 75W	100 to 240 vac, Up to 75W
<b>Dimensions / Weight</b>	380x320x48mm/2Kg	285x210x45mm/2Kg	315x242x45mm/2Kg	380x320x48mm/ 2Kg	315x242x45mm/2Kg	440 x 390 x 70mm / 7Kg	440 x 390 x 70mm / 7Kg

6 Series				
Model				
	SF-HTVR6104M-HEVC	SF-HTVR6104-HEVC	SF-HTVR6104A-HEVC	SF-HTVR6108-HEVC
Video standard	HDTVI/HDCVI/AHD/CBVS/IP			
Video input	4ch BNC +1 IP (Extra) Up to 4Mpx Max. 3ch IP exchange to Channel BNC	4ch BNC +1 IP (Extra) Up to 4Mpx Max. 3ch IP exchange to Channel BNC	4ch BNC +1 IP (Extra) Up to 4Mpx Max. 3ch IP exchange to Channel BNC	8ch BNC +2 IP (Extra) Up to 4Mpx Max. 6ch IP exchange to Channel BNC
Encoding resolution	4Mpx Lite@15FPS, 1080P@25FPS, 720P@60FPS			
Compression Video	H265+/H264+/H265/H264			
Video output	1X HDMI (1080P) 1X VGA (1080p) 1 X BNC Spot			
Audio inputs/outputs	1/1			
Alarm/Relay	-	-	4/1	-
Video analysis	Intrusion detection/Line crossing/Audio exception			
Auxiliary interfaces	1X RJ45 10/100 Mbps 2X USB 2,0	1X RJ45 10/100 Mbps 2X USB 2,0 1X RS-485 PTZ Control	1X RJ45 10/100 Mbps 2X USB 2,0 1X RS-485 PTZ Control	1X RJ45 10/100 Mbps 2X USB 2,0 1X RS-485 PTZ Control
Storage	1 X SATA Port up to 6TB			
Power	12V DC, 8W Max	12V DC, 15W Max	12V DC, 15W Max	12V DC, 20W Max
Dimensions / Weight	200x200x45mm/ 1Kg	315x242x45mm / 2Kg	315x242x45mm / 2Kg	315x242x45mm / 2Kg

6 Series					
Model					
	SF-HTVR6108A-HEVC	SF-HTVR6116-HEVC	SF-HTVR6116A-HEVC	SF-HTVR6216A-HEVC	SF-HTVR6232-HEVC
Video standard	HDTVI/HDCVI/AHD/CBVS/IP				
Video input	8ch BNC +2 IP (Extra) Up to 4Mpx Max. 6ch IP exchange to Channel BNC	16ch BNC +2 IP (Extra) Up to 4Mpx Max 10ch IP exchange to Channel BNC	16ch BNC +2 IP (Extra) Up to 4Mpx Max 10ch IP exchange to Channel BNC	16ch BNC +2 IP (Extra) Up to 4Mpx Max 10ch IP exchange to Channel BNC	32ch BNC +2 IP (Extra) Up to 4Mpx Max 18ch IP exchange to Channel BNC
Encoding resolution	4Mpx Lite@15FPS, 1080P@25FPS, 720P@60FPS	4Mpx Lite@15FPS, 1080P@25FPS, 720P@60FPS	4Mpx Lite@15FPS, 1080P@25FPS, 720P@60FPS	4Mpx Lite@15FPS, 1080P@25FPS, 720P@60FPS	4Mpx Lite@15FPS, 1080P@25FPS, 720P@60FPS
Compression Video	H265+/H264+/H265/H266				
Video output	1X HDMI (1080P) 1X VGA (1080p) 1 X BNC Spot				
Audio inputs/outputs	1/1	1/1	1/1	16/4	16/4
Alarm/Relay	4/1	-	4/1	-	1/1
Video analysis	Intrusion detection/Line crossing/Audio exception				
Auxiliary interfaces	1X RJ45 10/100 Mbps 2X USB 2,0 1X RS-485 PTZ Control	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control	1X RJ45 10/100/1000 Mbps 1X USB 2,0 1X USB 3,0 1X RS-485 PTZ Control
Storage	1 X SATA Port up to 6TB	1 X SATA Port up to 6TB	1 X SATA Port up to 6TB	2 X SATA Port up to 6TB	2 X SATA port up to 8TB
Power	12V DC, 20W Max	12V DC, 30W Max	12V DC, 30W Max	12V DC, 25W Max	12V DC, 65W Max
Dimensions / Weight	315x242x45mm / 2Kg	315x242x45mm / 2Kg	315x242x45mm / 2Kg	380x320x48 mm / 2Kg	380x320x48 mm / 2Kg

3 Series				
Model				
	HTVR3104	HTVR3104A	HTVR3108	SF-HTVR3116-HEVC
Video standard	HDTV/HDCVI/AHD/CBVS/IP			
Video input	4ch BNC+1ch IP(Extra) Up to 2Mpx	4ch BNC+1ch IP(Extra) Up to 2Mpx	8ch BNC+2ch IP(Extra) Up to 2Mpx	16ch BNC + 2 ch IP(Extra) Up to 5Mpx Max. 18ch IP exchange to Channel BNC
Encoding resolution	1080P Lite/ 720P@25FPS			
Compression Video	H264+/H264	H264+/H264	H264+/H264	H265+/H264+/H265/H264
Video output	1X HDMI (1080p) 1X VGA (1080p)			
Audio inputs/outputs	1/1			
Alarm/Relay	-	4/1	-	-
Video analysis	Intrusion detection/Line crossing/Audio exception			
Auxiliary interfaces	1X RJ45 10/100Mbps 2X USB 2.0 Up the coax control			
Storage	1 X SATA Port up to 6TB			
Power	12V DC, 8W Max.	12V DC, 8W Max.	12V DC, 12W Max	12V DC, 10W Max
Dimensions / Weight	260x222x45mm / 800gr	260x222x45mm / 1Kg	260x222x45mm / 1Kg	260x222x45mm / 1.1Kg

True Sense Series					
8 Series		6 Series			
Model					
	SF-HTVR8104AH-4AI	SF-HTVR8108AH-4AI	SF-HTVR6104AH-2AI	SF-HTVR6108AH-4AI	SF-HTVR6116AH-4AI
Video standard	HDTV/HDCVI/AHD/CBVS/IP				
Video input	4ch BNC + 4 IP (Extra) Up to 8Mpx Max 8ch IP exchange to Channel BNC	8ch BNC + 8 IP (Extra) Up to 8Mpx Max 16ch IP exchange to Channel BNC	4ch BNC + 2 IP (Extra) Up to 8Mpx Max 6ch IP exchange to Channel BNC	8ch BNC + 4 IP (Extra) Up to 8Mpx Max 12ch IP exchange to Channel BNC	4ch BNC + 8 IP (Extra) Up to 8Mpx Max 24ch IP exchange to Channel BNC
Encoding resolution	5Mpx@12FPS; 4Mpx@15FPS;1080P@25FPS	8Mpx@8FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	4Mpx@15FPS; 1080P@30FPS	4Mpx@15FPS; 1080P@30FPS	4Mpx@15FPS; 1080P@30FPS
Compression Video	H-265Pro+,H265+/H264+/H265/H264				
Video output	1X HDMI (1080p) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (1080p) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (1080p) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (1080p) 1X VGA (1080p) 1 X BNC Spot
Audio inputs/outputs	4/1	4/1	1/1	1/1	1/1
Alarm/Relay	4/1	8/4	4/1	8/4	8/4
Video analysis	True Sense(4 Channels), Intrusion detection/Line crossing/Audio exception	True Sense(4 Channels), Intrusion detection/Line crossing/Audio exception	True Sense(2 Channels), Intrusion detection/Line crossing/Audio exception	True Sense(4 Channels), Intrusion detection/Line crossing/Audio exception	True Sense(4 Channels), Intrusion detection/Line crossing/Audio exception
Auxiliary interfaces	1X RJ45 10/100Mbps 2 X USB 2.0 1X RS-485 PTZ Control				
Storage	1 X SATA Port up to 10TB				
Power	12V DC, 10W Max	12V DC, 20W Max	12V DC, 10W Max	12V DC, 18W Max	12V DC, 25W Max
Dimensions / Weight	315x242x45mm/ 1.2Kg	315x242x45mm/ 1.2Kg	315x242x45mm/ 1.8Kg	315x242x45mm/ 2Kg	315x242x45mm/ 2Kg

Model	PoC Series					
	8 Series			6 Series		
	SF-HTVR8104AP-HEVC	SF-HTVR8208AP-HEVC	SF-HTVR8216AP-HEVC	SF-HTVR6104AP-HEVC	SF-HTVR6208AP-HEVC	SF-HTVR6216AP-HEVC
Video standard	HDTVI/HDCVI/AHD/CBVS/IP					
Video input	4ch BNC +2 IP (Extra) Up to 6Mpx Max 4ch IP exchange to Channel BNC Support Safire POC Camera	8ch BNC +4 IP (Extra) Up to 6Mpx Max 8ch IP exchange to Channel BNC Support Safire POC Camera	8ch BNC +4 IP (Extra) Up to 6Mpx Max 8ch IP exchange to Channel BNC Support Safire POC Camera	4ch BNC +2 IP (Extra) Up to 6Mpx Max 4ch IP exchange to Channel BNC Support Safire POC Camera	8ch BNC + 4 IP (Extra) Up to 6Mpx Max 12ch IP exchange to Channel BNC Support Safire POC Camera	16ch BNC + 8 IP (Extra) Up to 6Mpx Max 24ch IP exchange to Channel BNC Support Safire POC Camera
Encoding resolution	8Mpx@12FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	8Mpx@8FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	8Mpx@8FPS; 4Mpx@15FPS; 3Mpx@18FPS; 1080P@30FPS	4Mpx Lite@15FPS, 1080P@25FPS, 720P@60FPS	4Mpx Lite@15FPS, 1080P@25FPS, 720P@60FPS	4Mpx Lite@15FPS, 1080P@25FPS, 720P@60FPS
Compression Video	H265+/H264+/H265/H264	H265+/H264+/H265/H264	H265+/H264+/H265/H264	H265+/H264+/H265/H264	H.265 Pro+, H265+/H264+/H265/H264	H.265 Pro+, H265+/H264+/H265/H264
Video output	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (4K) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (1080p) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (1080p) 1X VGA (1080p) 1 X BNC Spot	1X HDMI (1080p) 1X VGA (1080p) 1 X BNC Spot
Audio inputs/outputs	4/1	4/1	4/1	1/1	1/1	1/1
Alarm/Relay	4/1	8/4	16/4	4/1	4/1	4/1
Video analysis	Intrusion detection/Line crossing/Audio exception					
Auxiliary interfaces	1X RJ45 10/100 Mbps 2X USB 2.0 1X RS-485 PTZ Control	1X RJ45 10/100/ 1000 Mbps 1X USB 2.0 1X USB 3.0 1X RS-485 PTZ Control	1X RJ45 10/100/ 1000 Mbps 1X USB 2.0 1X USB 3.0 1X RS-485 PTZ Control	1X RJ45 10/100 Mbps 2X USB 2.0 1X RS-485 PTZ Control	1X RJ45 10/100 Mbps 2X USB 2.0 1X RS-485 PTZ Control	1X RJ45 10/100 Mbps 2X USB 2.0 1X RS-485 PTZ Control
Storage	1 X SATA Port up to 8TB	2 X SATA Port up to 8TB	2 X SATA Port up to 8TB	1 X SATA Port up to 6TB	2 X SATA Port up to 10TB	2 X SATA Port up to 10TB
Power	48V DC, 40W max	48V DC, 60W max	48V DC, 140W max	48V DC, 40W max	48V DC, 60W max	48V DC, 120W max
Dimensions / Weight	315x242x45mm/ 1.2Kg	380x320x48mm/ 2Kg	380x320x48mm/ 3,8Kg	315x242x45mm/1,16Kg	380x320x48mm/1,78Kg	380x320x48mm/2Kg

# Why choose Safire?



## WARRANTY

Quality with 3 years warranty  
At Safire we are proud of the extensive quality control and reliability of our products and offer a 3-year warranty on our entire catalogue



## SPECIALISED TECHNICIANS

Your security products will be serviced and repaired by our official Safire technicians, specially trained to repair professional security products.

At Safire we guarantee the repair or replacement of our products within the coverage offered by our warranty.



## TECHNOLOGY

At Safire we are constantly integrating the latest technology in the security sector and offering a wide portfolio of quality products at competitive prices.

Safire offers the best software solutions free of charge for the management of all security systems whether it's CCTV, access control or video intercom systems.



## SAFIRE LINK

To fulfill the needs of the most demanding customers and to be able to offer the most advanced solutions, it is not enough to offer the best devices. The security market demands equipment that incorporates special functions such as license plate recognition or people counting cameras.

To implement these products in a bigger project, it might be necessary to develop specific software solutions.

Safire Link is a customized software development service where we offer our customers all our technical capacity and our deep knowledge of the security devices.

If you have a specific request, our technical team will investigate the possibility of developing an application that meets your demands.

Thanks to Safire Link, our customers can offer complete solutions adapted to all needs and stand out as complete security providers to their customers and open new opportunities.



## IP CAMERAS

**TOP Series** 4K 6MP 2MP 1080P

- Smart codec H.265+ saves 80% - 90% of hard drive space versus H.264
- WDR (120 dB) provides an extraordinary image quality in backlit conditions.
- ANR (Automatic Network Replenishment)
- Deep Learning **True Sense**
- Cameras with **NightCOLOR**

**PRO Series** 4K 6MP 4MP 2MP

- Smart Codec H.265+ saves 80%-90% of hard drive space versus H.264
- WDR (120dB) provides an extraordinary image quality in backlit conditions.
- ANR (Automatic Network Replenishment)

**H.265+ Lite Series** 5MP 4MP 2MP 1080P

- Smart Codec H.265+ saves 80%-90% of hard drive space versus H.264
- WDR (120 dB) provides an extraordinary image quality in backlit conditions.

**H.264+ Lite Series** 5MP 2MP 1080P







- H.264+
- WDR (120 dB) provides an extraordinary image quality in backlit conditions.
- ANR (Automatic Network Replenishment)





**SpeedDome Series** 4K 4MP 2MP



- 36X Optical Zoom, 40X Digital Zoom (SF-IPSD9936ITH-B)
- IK10






**Consumer Series** 2MP 1080P

	Top Series			
<b>Model</b>				
	SF-IPCV037UWH-8	SF-IPDM943WH-4-AI	SF-IPDM820UWH-4-AI	SF-IPCV098WH-4-AI
<b>Image Sensor Type</b>	High Performance CMOS Ultra Low Light			
<b>Resolution</b>	8MP@15fps	4Mpx@30fps	4Mpx@30fps	4Mpx@30fps
<b>Video codec</b>	H.265+/H.264+/H.265/H264			
<b>Focal length</b>	2,8mm			
<b>Field of view</b>	102°	104°	104°	104°
<b>Day/Night</b>	IR CUT filter			
<b>Min. illumination</b>	Color: 0.008 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.007 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.007 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.007 Lux @(F1.2, AGC ON), 0 Lux with IR
<b>Infrared illumination</b>	IR LED up to 30m	IR LED up to 50m	IR LED up to 30m	IR LED up to 50m
<b>Backlight</b>	WDR(120dB),BLC			
<b>Image processing</b>	3D-NR, ROI, Mask, Mirror			
<b>Video analysis</b>	Intrusion detection,Tripwire, Face detection	Intrusion detection,Tripwire, Face detection - True Sense	Intrusion detection,Tripwire, Face detection - True Sense	Intrusion detection,Tripwire, Face detection - True Sense
<b>SD Card</b>	Micro SD 128GB Max with ANR function			
<b>Audio / Alarm / WiFi</b>	-/-	-/-	Audio/Alarm/-	-/-
<b>Power supply</b>	12V DC, 9W (Max) PoEIEEE802.3af, Super PoESuperPoE up to 300m	12V DC, 9W (Max) PoEIEEE802.3af, Super PoESuperPoE up to 300m	12V DC, 12W (Max) PoEIEEE802.3af, Super PoESuperPoE up to 300m	12V DC, 14W (Max) PoEIEEE802.3af SuperPoE up to 300m
<b>Working conditions</b>	-30° C ~ +60° C	-30° C ~ +50° C	-30° C ~ +60° C	-30° C ~ +50° C
<b>Protection grade</b>	IP67, IK10	IP67	IP67, IK10	IP67
<b>Dimensions/ Weight</b>	70 x 68mm x 171mm / 400gr	105 x 130(Ø)mm / 500gr	92 x 121(Ø)mm / 600gr	290 x 108(Ø)mm / 1,1Kg

	Top Series					
<b>Model</b>						
	SF-IPB798CWH-4U	SF-IPB798CWH-4U	SF-IPDM825ZWH-4-AI	SF-IPCV798ZWH-4-AI	SF-IPCV778LZUAWH-2	SF-IPCV788ZW-2
<b>Image Sensor Type</b>	Progressive Scan Cmos Night Color	Progressive Scan Cmos Night Color	High Performance CMOS Ultra Low Light	High Performance CMOS Ultra Low Light	High Performance CMOS Ultra Low Light	High Performance CMOS Ultra Low Light
<b>Resolution</b>	4Mpx@25FPS	4Mpx@25FPS	4Mpx@30fps	4Mpx@30fps	2Mpx@25FPS	2Mpx@25FPS
<b>Video codec</b>	H.265+/H.264+/H.265/H264	H.265+/H.264+/H.265/H264	H.265/H.264	H.265/H.264	H.265+/H.264+/H.265/H264	H.265+/H.264+/H.265/H264
<b>Focal length</b>	4mm	4mm	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom
<b>Field of view</b>	94°	94°	101°-29°	101°-29°	101°-29°	90°-31
<b>Day/Night</b>	Color	Color	IR CUT filter	IR CUT filter	IR CUT filter	IR CUT filter
<b>Min. illumination</b>	Color: 0.0014 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.0014 Lux @(F1.0, AGC ON), 0 Lux with Light	Color: 0.007 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.007 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux @(F1.2, AGC ON), 0 Lux with IR B/W: 0.0002 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.002 Lux/,B/W: 0.0002, 0 Lux with IR
<b>Infrared illumination</b>	Strobe light up to 30m	Strobe light up to 30m	IR LED up to 30m	IR LED up to 50m	IR LED up to 30m	IR LED up to 30m
<b>Backlight</b>	WDR(120dB),BLC	WDR(120dB),BLC	WDR(120dB),BLC	WDR(120dB),BLC	WDR(120dB),BLC	WDR(120dB), BLC
<b>Image processing</b>	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, AWB, Motion detection, Mirror, Mask,ANR
<b>Video analysis</b>	Intrusion detection,Tripwire, Face detection	Intrusion detection,Tripwire, Face detection	Intrusion detection,Tripwire, Face detection, True Sense	Intrusion detection,Tripwire, Face detection, True Sense	Intrusion detection,Tripwire, Face detection	Intrusion detection,Tripwire, Face detection
<b>SD Card</b>	Micro SD 128GB Max with ANR function	Micro SD 128GB Max with ANR function	Micro SD 128GB Max with ANR function	Micro SD 128GB Max with ANR function	Micro SD 128GB Max with ANR function	Micro SD 128GB Max with ANR function
<b>Audio / Alarm / WiFi</b>	Audio	Audio	Audio/Alarm/-	Audio/Alarm/-	Audio/Alarm/-	Audio/Alarm/-
<b>Power supply</b>	12V DC, 6W (Max) PoEIEEE802.3af SuperPoE up to 300m	12V DC, 6W (Max) PoEIEEE802.3af SuperPoE up to 300m	12V DC, 11W (Max) PoEIEEE802.3af SuperPoE up to 300m	12V DC, 15.5W(Max) PoEIEEE802.3af SuperPoE up to 300m	12V DC, 15W (Max) PoEIEEE802.3af SuperPoE up to 300m	12V DC, 12W (Max) PoEIEEE802.3af SuperPoE up to 300m
<b>Working conditions</b>	-30° C ~ +60° C					
<b>Protection grade</b>	IP67	IP67	IP67, IK10	IP67, IK10	IP67	IP67
<b>Dimensions/ Weight</b>	290.7 x 105 (Ø) mm / 1,2Kg	125.2 x 138.3 (Ø)mm / 0.575 Kg	111 x 153(Ø)mm / 890gr	298 x 105(Ø)mm / 1,4Kg	349x115x112mm/2,1Kg	312x104x100mm/2Kg

Pro Series				
Model				
	SF-IPDM835AWH-8	SF-IPDM833WH-8	SF-IPDM937ZAWH-8	SF-IPCV798ZAWH-8
Image Sensor Type	High Performance CMOS			
Resolution	8Mpx@15fps			
Video codec	H.265+/H.264+/H.265/H264			
Focal length	2,8mm	2,8mm	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom
Field of view	102°	102°	105°-35°	105°-35°
Day/Night	IR CUT filter			
Min. illumination	Color: 0.01 lux @(F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR	Color: 0.01 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.01 Lux @(F1.2, AGC ON), 0.018 Lux @(F1.6, AGC ON), 0 Lux with IR	Color: 0.01 Lux @(F1.2, AGC ON), 0.018 Lux @(F1.6, AGC ON), 0 Lux with IR
Infrared illumination	IR LED up to 30m			
Backlight	WDR(120dB),BLC			
Image processing	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask
Video analysis	Intrusion detection, Tripwire, Face detection			
SD Card	Micro SD 128GB Max with ANR function			
Audio / Alarm / WiFi	Audio/Alarm/-	-/-	Audio/Alarm/-	Audio/Alarm/-
Power supply	12V DC, 9W (Max) PoEIEEE802.3af, Up to 300m SuperPoE up to 300m	12V DC, 6W PoEIEEE802.3af SuperPoE up to 300m	12V DC, 12W (Max) PoEIEEE802.3af, SuperPoE up to 300m	12V DC, 18W (Max) PoEIEEE802.3af, SuperPoE up to 300m
Working conditions	-30° C ~ +60° C			
Protection grade	IP67, IK10	IP67	IP67, IK10	IP67, IK10
Dimensions/ Weight	82 x 111(Ø)mm / 500gr	96 x 127(Ø)mm / 620gr	133 x 153(Ø)mm / 1,2Kg	333 x 144(Ø)mm / 1,9Kg

Pro Series				
Model				
	SF-IPDM833WH-6	SF-IPCV098WH-6	SF-IPCV798ZAWH-6	SF-IPDM810WH-4
Image Sensor Type	High Performance CMOS			
Resolution	6Mpx@20fps	6Mpx@20fps	6Mpx@20fps	4Mpx@30fps
Video codec	H.265+/H.264+/H.265/H264			
Focal length	2,8mm	2,8mm	2.8-12 mm AutoFocus MotorZoom	2,8mm
Field of view	97°	97°	88°-27°	98°
Day/Night	IR CUT filter			
Min. illumination	Color: 0.01 lux @(F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR	Color: 0.01 lux @(F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR	Color: 0.01 Lux @(F1.2, AGC ON), 0.018 lux @(F1.6, AGC ON), 0 lux with IR	Color: 0.01 Lux @(F1.2, AGC ON), 0.018 lux @(F1.6, AGC ON), 0 lux with IR
Infrared illumination	IR LED up to 30m	IR LED up to 50m	IR LED up to 50m	Matrix Led up to 10m
Backlight	WDR(120dB),BLC			
Image processing	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask
Video analysis	Intrusion detection, Tripwire, Face detection			
SD Card	Micro SD 128GB Max with ANR function			
Audio / Alarm / WiFi	-/-	-/-	Audio/Alarm/-	-/-
Power supply	12V DC, 7,5W (Max) PoEIEEE802.3af, SuperPoE up to 300m	12V DC, 9W (Max) PoEIEEE802.3af, SuperPoE up to 300m	12V DC, 18W (Max) PoEIEEE802.3af, SuperPoE up to 300m	12V DC, 10W (Max) PoEIEEE802.3af, SuperPoE up to 300m
Working conditions	-30° C ~ +60° C			
Protection grade	IP67	IP67	IP67, IK10	IK08, IP66
Dimensions/ Weight	96 x 127(Ø)mm / 650gr	300 x 105(Ø)mm / 1,2Kg	333 x 144(Ø)mm / 1,9Kg	56 x 110(Ø)mm / 400gr






Lite H.265+ Series					
Model					
	SF-IPDM934WH-5	SF-IPDM934H-4	SF-IPDM943WH-4 (White) SF-IPDM943WHG-4 (Grey)	SF-IPDM855ZHWG-4	SF-IPC025WH-5
Image Sensor Type	High Performance CMOS				
Resolution	5Mpx@15FPS	4Mpx@30fps	4Mpx@20FPS	4Mpx@20FPS	5Mpx@15FPS
Video codec	H.265+/H.264+/H.265/H264				
Focal length	2,8mm				
Field of view	100°	100°	100°	105°	100°
Day/Night	IR CUT filter				
Min. illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0.02 Lux @(F1.6, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0 Lux with IR
Infrared illumination	IR LED up to 30m				
Backlight	WDR, BLC	WDR(120dB),BLC	WDR(120dB),BLC	WDR(120dB),BLC	WDR,BLC
Image processing	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, Mask, Mirror
Video analysis	Motion detection				
SD Card	-	-	-	Micro SD 128GB Max with ANR function	-
Audio / Alarm / WiFi	-/-	-/-	-/-	Alarm/Audio/-	-/-
Power supply	-	-	-	-	-
Working conditions	12V DC, 6W PoEIEEE802.3af	12V DC, 7W (Max) PoEIEEE802.3af	12V DC, 7W (Max) PoEIEEE802.3af	12V DC, 11W (Max) PoEIEEE802.3af	12V DC, 5W PoEIEEE802.3af
Protection grade	IP67	IP67, IK10	IP67	IP67	IP67
Dimensions/ Weight	82 x 111(Ø)mm / 600gr	83 x 111(Ø)mm / 410gr	93x110(Ø)mm / 350gr	116 x 129(Ø)mm / 560gr	70 x 173(Ø)mm / 300gr






Lite H.265+ Series						
Model						
	SF-IPC025WH-4	SF-IPDM834ZWAH-4	SF-IPDM855ZHW-4	SF-IPC0786ZWAH-4	SF-IPMC102AWH-2	SF-IPDM943H-2
Image Sensor Type	High Performance CMOS					
Resolution	4Mpx@20FPS	4Mpx@20FPS	4Mpx@20FPS	4Mpx@20FPS	2Mpx@30fps	2Mpx@30fps
Video codec	H.265+/H.264+/H.265/H264					
Focal length	2.8mm	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom	2,8mm	2,8mm
Field of view	100°	98°-28	98°-30°	98°-28°	114°	84°
Day/Night	IR CUT filter					
Min. illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON)	Color: 0.025 Lux @(F1.2, AGC ON), B/W: 0.005 Lux @(F1.2, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON)
Infrared illumination	IR LED up to 30m	IR LED up to 30m	IR LED up to 30m	IR LED up to 30m	-	IR LED up to 30m
Backlight	WDR(120dB), BLC	WDR(120dB),BLC	WDR(120dB),BLC	WDR(120dB),BLC	WDR(120dB)	D-WDR,BLC
Image processing	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask, SD with ANR function	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask, SD with ANR function	3D-NR, ROI	3D-NR, ROI, AWB, Motion detection, Mirror, Mask
Video analysis	Motion detection					
SD Card	-	Micro SD 128GB Max	-	Micro SD 128GB Max	-	-
Audio / Alarm / WiFi	-/-	Alarm/Audio/-	-/-	Alarm/Audio/-	Alarm/Audio/-	-/-
Power supply	12V DC, 7W (Max) PoEIEEE802.3af	12V DC, 12W (Max) PoEIEEE802.3af	12V DC, 11W (Max) PoEIEEE802.3af	12V DC, 12,9W (Max) PoEIEEE802.3af	12V DC, 3W (Max) PoEIEEE802.3af	12V DC, 7W (Max) PoEIEEE802.3af
Working conditions	-30° C ~ +60° C	-30° C ~ +60° C	-30° C ~ +50° C	-30° C ~ +60° C	-30° C ~ +60° C	-30° C ~ +50° C
Protection grade	IP67	IP67, IK10	IP67	IP67	-	IP67
Dimensions/ Weight	216x121x118mm/530gr	100x141(Ø)mm / 820gr	102x130(Ø)mm / 485gr	145x105x105mm/1Kg	31x31x26 mm / 93gr	93x110(Ø)mm / 360gr








Lite H.265+ Series						
Model						
	SF-IPDM934H-2	SF-IPT943H-2E	SF-IPCVO25H-2	SF-IPMC103AWH-2	SF-IPDM834ZH-2	SF-IPDM855ZHW-2
Image Sensor Type	High Performance CMOS					
Resolution	2Mpx@30FPS	2Mpx@30FPS	2Mpx@25FPS	2Mpx@30fps	2Mpx@25FPS	2Mpx@25FPS
Video codec	H.265+/H.264+/H.265/H264					
Focal length	2,8mm	2,8mm	2,8mm	3,7mm	2.8-12 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom
Field of view	114°	115°	103°	78°	87°-28	90°-35°
Day/Night	IR CUT filter					
Min. illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.028 Lux @(F2.0, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON)	Color: 0.025 Lux @(F1.2, AGC ON), B/W: 0.005 Lux @(F1.2, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON)	Color: 0.01 Lux @(F1.2, AGC ON), 0.028Lux @(F2.0, AGC ON)
Infrared illumination	IR LED up to 30m	IR LED up to 30m	IR LED up to 30m	-	IR LED up to 30m	IR LED up to 30m
Backlight	DWDR,BLC	DWDR, BLC	D-WDR,BLC	WDR(120dB)	D-WDR,BLC	WDR(120dB),BLC
Image processing	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI	3D-NR, ROI, AWB, Motion detection, Mirror, Mask,ANR	3D-NR, ROI, AWB, Motion detection, Mirror, Mask,ANR
Video analysis	Motion detection					
SD Card	-	-	-	-	Micro SD 128GB Max	-
Audio / Alarm / WiFi	-/-	-/-	-/-	Audio/-/	-/-	-/-
Power supply	12V DC, 5W (Max) PoEIEEE802.3af	12V DC, 3,5W PoEIEEE802.3af	12V DC, 7W (Max) PoEIEEE802.3af	12V DC, 3W (Max) PoEIEEE802.3af	12V DC, 12W (Max) PoEIEEE802.3af	12V DC, 11W (Max) PoEIEEE802.3af
Working conditions	-30° C ~ +50° C	-30° C ~ +60° C	-30° C ~ +50° C	-30° C ~ +60° C	-30° C ~ +60° C	-30° C ~ +60° C
Protection grade	IP67, IK10	IP67	IP67	-	IP67,IK10	IP67
Dimensions/ Weight	93x110(Ø)mm / 360gr	93 x 110(Ø)mm / 610gr	173x70(Ø)mm / 280gr	31x31x26 mm / 93gr	100x140(Ø)mm / 1.2Kg	102x131(Ø)mm / 485gr

Lite H.264+ Series			
Model			
	SF-IPDM933VW-2	SF-IPC786ZW-3-LITE	SF-IPDM933VW-2
Image Sensor Type	High-Performance CMOS		
Resolution	3Mpx@20FPS	3Mpx@20FPS	2Mpx@25FPS
Video codec	H.264+/H264		
Focal length	2.8-12 mm MotorZoom	2.8-12 mm MotorZoom	2.8-12 mm AutoFocus
Field of view	108°-31°	108°-31°	100°-35°
Day/Night	IR CUT filter		
Min. illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.01 Lux @(F1.2, AGC ON), 0 Lux with IR	Color: 0.01 Lux @(F1.2, AGC ON), 0 Lux with IR
Infrared illumination	IR LED up to 30m		
Backlight	WDR(120dB),BLC		
Image processing	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, Mask, Mirror	3D-NR, ROI, AWB, MD, Mask, Mirror
Video analysis			
SD Card	Micro SD 128GB Max with ANR function	-	Micro SD 128GB Max with ANR function
Audio / Alarm / WiFi	-/-		
Power supply	12V DC, 11W PoEIEEE802.3af	12V DC, 6,5W PoEIEEE802.3af	12V DC, 11 W Max. PoEIEEE802.3af
Working conditions	-30° C ~ +60° C		
Protection grade	IP67, IK10	IP67	IP67, IK10
Dimensions/ Weight	100 x 141(Ø)mm / 800gr	92 X 105 X 295 mm / 1,2Kg	100x141(Ø)mm / 800gr

IP Speed Dome Series					
Model					
	SF-IPPT510AWH-4	SF-IPPT510AWH-2	SF-IPSD9936ITH-8	SF-IPSD9136AH-8	SF-IPSD9136AH-4
Image Sensor Type	High Performance CMOS		High Performance CMOS	High Performance CMOS	High Performance CMOS Ultra Low Light
Effective pixel	4Mpx@30fps	2Mpx@30fps	8Mpx@25fps	8Mpx@25fps	4Mpx@25fps
Video codec	H.265+/H.264+/H.265/H264				
Focal length	2,8mm	2,8mm	7,5mm-270mm	7,5mm-270mm	6mm-205mm
Optical/Digital Zoom	- / 16X	- / 16X	- / 40X	36X/16X	36X/16X
Field of view	104°	102°	56°-2°	56°-2°	60°-2°
Day/Night	IR CUT filter				
Min. illumination	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.5, AGC ON) B/W: 0.0005 Lux @(F1.5, AGC ON)	Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON)
Infrared illumination	IR LED up to 15m	IR LED up to 15m	IR LED up to 200m	-	-
Backlight	WDR(120dB),BLC	WDR(120dB),BLC	DWDR,BLC	WDR (120dB), BLC	WDR (120dB), BLC
Image processing	3D-NR, HLC,AGC,AWB, MD, ROI				
SD Card	Micro SD 256GB Max with fuction ANR				
Video analysis	Motion Detection, Video Tampering Detection, Exception	Motion Detection, Video Tampering Detection, Exception	Auto-tracking(Humans and vehicles) Motion Detection, Video Tampering Detection, region entrance, region exting, intrusion detection	Motion Detection, Video Tampering Detection, Exception	Motion Detection, Video Tampering Detection, Exception
Pan Range/Speed	0° to 330° endless/ 0,1° to 100°/s	0° to 330° endless/ 0,1° to 100°/s	360° endless/ 0,1° to 210°/s	360° endless/ 0,1° to 350°/s Preset Speed: 540°/s	360° endless/ 0,1° to 350°/s Preset Speed: 540°/s
Tilt Range/Speed	0° to 90°/ 0,1 to 100°/s	0° to 90°/ 0,1 to 100°/s	-20° to 90°/ 0,1 to 150°/s	-20° to 90°/ 0,1 to 240°/s Preset Speed: 400°/s	-20° to 90°/ 0,1 to 240°/s Preset Speed: 400°/s
Number of presets	300Presets	300Presets	300Presets 8 Patrols, Up to 32 presets/patrol 4 Patterns, Up to 10 min./pattern	300 Presets 8 Patrols, Up to 32 presets/patrol 4 Patterns, Up to 10 min./pattern	300 Presets 8 Patrols, Up to 32 presets/patrol 4 Patterns, Up to 10 min./pattern
Audio inputs/outputs	1/1	1/1	1/1	1/1	1/1
In/Out Alarm	-/-	-/-	7/2	7/2	7/2
Power supply	12V DC, 12W PoEIEEE802.3af	12V DC, 12W PoEIEEE802.3af	24V VAC, 60W (Max) Hi-PoE	24V DC, 60W (Max) Hi-PoE	24V DC, 60W (Max) Hi-PoE
Working conditions	-10° C ~ +55° C	-10° C ~ +55° C	-40° C ~ +70° C	-40° C ~ +70° C	-40° C ~ +65° C
Protection grade	IP66	IP66	IP67, IK10	IP67, IK10	IP67, IK10
Dimensions / Weight	77x124(Ø)mm / 450gr	77x124(Ø)mm / 450gr	410x267(Ø)mm / 8Kg	356x231(Ø)mm / 6Kg	356x231(Ø)mm / 6Kg

IP Speed Dome Series					
Model					
	SF-IPSD8030UITH-4	SF-IPSD6025UIWH-4	SF-IPSD5104IAWH-4	SF-IPSD8032UITWH-2	SF-IPSD7025UWH-2
Image Sensor Type	High Performance CMOS Ultra Low Light	High Performance CMOS Ultra Low Light	High Performance CMOS	High Performance CMOS Ultra Low Light	High Performance CMOS
Effective pixel	4Mpx@25fps	4Mpx@25fps	4Mpx@25fps	2Mpx@60fps	2Mpx@30fps
Video codec	H.265+/H.264+/H.265/H264				
Focal length	5,9mm-177mm	4,8mm-120mm	2,8mm-12mm	4,8mm-153mm	4,8mm-120mm
Optical/Digital Zoom	30X / 16X	25X/16X	4X/16X	32X / 16X	25X / 16X
Field of view	49°-2,3°	59,5°-2,5	109°-34°	56°-2°	58°-2,5°
Day/Night	IR CUT filter				
Min. illumination	Color: 0.005 Lux @(F1.5, AGC ON) B/W: 0.002Lux @(F1.5, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001Lux @(F1.6, AGC ON) 0Lux with IR
Infrared illumination	IR LED up to 150m	IR LED up to 100m	IR LED up to 20m	IR LED up to 150m	-
Backlight	DWDR, BLC	WDR (120dB), BLC	WDR (120dB), BLC	WDR (120dB), BLC	WDR (120dB), BLC
Image processing	3D-NR, HLC,AGC,AWB, MD, ROI				
SD Card	Micro SD 128GB Max with fuction ANR	Micro SD 256GB Max with fuction ANR	Micro SD 256GB Max with fuction ANR	Micro SD 256GB Max with fuction ANR	Micro SD 256GB Max with fuction ANR
Video analysis	Auto-tracking,Motion Detection, Video Tampering Detection, Exception	Motion Detection, Video Tampering Detection, Exception	Motion Detection, Video Tampering Detection, Exception	Motion Detection, Video Tampering Detection, Exception	Motion Detection, Alarm Input, Alarm Output, Video Tampering Detection, Exception
Pan Range/Speed	360° endless/ 0,1° to 160°/s	360° endless/ 0,1° to 80°/s	0° to 330° / 0,1° to 100°/s	360° endless/ 0,1° to 160°/s	360° endless/ 0,1° to 80°/s
Tilt Range/Speed	-15° to 90°/ 0,1 to 120°/s	-15° to 90°/ 0,1 to 80°/s	0° to 90°/ 0,1 to 100°/s	-15° to 90°/ 0,1 to 120°/s	-15° to 90°/ 0,1 to 80°/s
Number of presets	300Presets   8 Patrols, Up to 32 presets/patrol   4 Patterns, Up to 10 min./pattern				
Audio inputs/outputs	1/1				
In/Out Alarm	2/1	-	-	2/1	1/1
Power supply	24V VAC, 40W (Max) Hi-PoE	12V DC, 18W (Max) POE+	12V DC, 12W (Max) POE+	24V VAC, 40W (Max) Hi-PoE	12V DC, 18W (Max) POE+
Working conditions	-30° C ~ +65° C				
Protection grade	IP66	IP66	IP66, IK10	IP66	IP66, IK10
Dimensions / Weight	353x220(Ø)mm / 4,5Kg	290x165(Ø)mm / 2Kg	102x131(Ø)mm / 550gr	353x220(Ø)mm / 4,5Kg	240x180(Ø)mm / 2Kg

IP Speed Dome Series					
Model					
Image Sensor Type	High Performance CMOS Ultra Low Light	High Performance CMOS Ultra Low Light	High Performance CMOS Ultra Low Light	High Performance CMOS Ultra Low Light	High Performance CMOS Ultra Low Light
Effective pixel	2Mpx@25fps	2Mpx@30fps	2Mpx@25fps	2Mpx@25fps	2Mpx@30fps
Video codec	H.265+/H.264+/H.265/H264				
Focal length	4,8mm-120mm	4,8mm-120mm	4,8mm-120mm	5mm-75mm	2,8mm-12mm
Optical/Digital Zoom	25X / 16X	25X / 16X	25X / 16X	15X/16X	4X/16X
Field of view	58°-2,5°	58°-2,5°	58°-2,5°	54°-4°	109°-34°
Day/Night	IR CUT filter				
Min. illumination	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON)	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON) 0 Lux with IR	Color: 0.005 Lux @(F1.6, AGC ON) B/W: 0.001 Lux @(F1.6, AGC ON) 0 Lux with IR
Infrared illumination	IR LED up to 50m	-	IR LED up to 100m	IR LED up to 100m	IR LED up to 20m
Backlight	WDR (120dB), BLC	WDR (120dB), BLC	WDR (120dB), BLC	WDR (120dB), BLC	WDR (120dB), BLC
Image processing	3D-NR, HLC, AGC, AWB, MD, ROI				
SD Card	Micro SD 256GB Max with fuction ANR				
Video analysis	Motion Detection, Video Tampering Detection, Alarm Input, Alarm Output, Exception	Motion Detection, Alarm Input, Alarm Output, Video Tampering Detection, Exception	Motion Detection, Video Tampering Detection, Alarm Input, Alarm Output, Exception	Motion Detection, Video Tampering Detection, Exception	Motion Detection, Video Tampering Detection, Exception
Pan Range/Speed	360° endless/ 0,1° to 300°/s Preset Speed: 350°/s	360° endless/ 0,1° to 160°/s	360° endless/ 0,1° to 80°/s	360° endless/ 0,1° to 80°/s	0° to 330° / 0,1° to 100°/s
Tilt Range/Speed	-15° to 90°/ 0,1 to 160°/s Preset Speed: 200°/s	-15° to 90°/ 0,1 to 120°/s	-15° to 90°/ 0,1 to 80°/s	-15° to 90°/ 0,1 to 80°/s	0° to 90°/ 0,1 to 100°/s
Number of presets	300 Presets   8 Patrols, Up to 32 presets/patrol   4 Patterns, Up to 10 min./pattern				
Audio inputs/outputs	1/1	1/1	1/1	-	1/1
In/Out Alarm	2/2	1/1	-	-	-
Power supply	12V DC, 18W (Max) POE+				
Working conditions	-30° C ~ +65° C				
Protection grade	IP66	IK10	IP66	IP66	IP66, IK10
Dimensions / Weight	161x169(Ø)mm / 2,5Kg	180x165(Ø)mm / 2Kg	290x165(Ø)mm / 2Kg	290x165(Ø)mm / 2Kg	102x131(Ø)mm / 550gr

Consumer Series				
Model				
Image Sensor Type	High Performance CMOS			
Resolution	2Mpx@25FPS	2Mpx@30FPS	2Mpx@30FPS	2Mpx@30FPS
Video codec	H264	H.265+/H.264+/H.265/H264	H264	H264
Focal length	2.2 mm	2,8mm	2,8mm	2,8mm
Field of view	126°	114°	106°	106°
Pan/Tilt	-	-	Pan: 0° to 355°; Tilt: -10° to 90	-
Day/Night	Auto / Manual	IR CUT filter	IR CUT filter	IR CUT filter
Min. illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 lux with IR	Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR	Color: 0.01 Lux @ (F1.2, AGC ON), 0 lux with IR	Color: 0.01 Lux @ (F1.2, AGC ON), 0 lux with IR
Infrared illumination	IR LED up to 7.5m	IR LED up to 10m	IR LED up to 5m	IR LED up to 10m
Backlight	DWDR, BLC	WDR(120dB), BLC	DWDR, BLC	DWDR, BLC
Image processing	3D-NR	3D-NR, ROI	3D-NR, ROI	3D-NR, ROI
Video analysis	Intrusion detection / Tripwire	Intrusion detection / Tripwire	Motion detection	Motion detection
SD Card	Micro SD 128GB Max			
Audio / Alarm / WiFi	Audio and speaker / Alarm / Wifi available	Audio and Speaker / - / Wifi available	Audio and Speaker / - / Wifi available	Audio and Speaker / - / Wifi available
PIR detection	Real PIR Sensor 80°/10m	Real PIR Sensor 80°/10m	-	-
Power supply	5V DC, 5W Max.	12V DC, 5W Max. PoEIEEE802.3af	12V DC, 5W Max. PoEIEEE802.3af	12V DC, 4,5W Max. PoEIEEE802.3af
Dimensions / Weight	56 x 70 x 92 / 215 gr	103x65x33mm / 400gr	114 x 82(Ø)mm / 510gr	107 x 64(Ø)mm / 115gr

# IP NVR

Professional CCTV Network Video Recorders

## 8-Series NVR 12MP

- H.265+ smart codec saves 80%-90% of hard drive space versus H.264
- Decoding capacity 4 ch @ 4K, or 16 ch @ 1080p

## 6-Series NVR 4K

- H.265+ smart codec saves 80%-90% of hard drive space versus H.264
- Decoding capacity 2 ch @ 4K, or 8 ch @ 1080p






## Wifi Series NVR 5MP



- Wifi function. The cameras are connected directly to the NVR via the Wifi network created by the NVR itself.
- Dual antenna design to offer a powerful and stable Wifi signal
- Recording up to 5 MP resolution

## NVR True Sense Series 12MP




- Decoding capacity 6 ch @ 4K or 12 ch @ 1080p
- H.265+ smart codec saves 80%-90% of hard drive space versus H.264







	8 Series NVR		
Model			
	SF-NVR8208A-4K	SF-NVR8208A-4K8P	SF-NVR8216A-4K
Video IP input	8ch	8ch	16ch
Decoding resolution	12Mpx Max.		
Compression Video	H265+, H265, H264+, H264		
Incoming Bandwidth	80Mbps	80Mbps	160Mbps
Video output	1 X HDMI (4K) 1 X VGA independent (1080p)		
Synchronous decoding	4 ch @ 4K, or 8-ch @ 1080p	4 ch @ 4K, or 8-ch @ 1080p	4 ch @ 4K, or 16-ch @ 1080p
Audio Input/Output	From MIC IP Camera / 1-ch RCA		
Alarm Input / Relay	4/1	4/1	4/1
Video analysis	VCA, ANR, Text overlay function (POS)		
PoE interface	-	8 up to 120W,300m (Max.) PoE IEEE802.3af	-
Auxiliary interface	1X RJ45 10/100/1000 Mbps 1x USB 2,0 1x USB 3,0		
Storage	2 X Sata Port, up to 6TB capacity		
Power	12V DC, 40W Max.	100~240V AC, 180W Max.	12V DC, 40W Max.
Dimensions / Weight	380 × 290 × 45 mm / 1Kg	380 × 290 × 45 mm / 3Kg	380 × 290 × 45 mm / 1Kg

	8 Series NVR				
Model					
	SF-NVR8216A-16P-4K	SF-NVR8216A-4K16P	SF-NVR8432A-4K	SF-NVR8432A-4K24P	SF-NVR8864-4K
Video IP input	16ch	16ch	32ch	32ch	64ch
Decoding resolution	12Mpx Max.				
Compression Video	H265+, H265, H264+, H264				
Incoming Bandwidth	160Mbps	160Mbps	256Mbps	320Mbps	320Mbps
Video output	1 X HDMI (4K) 1 X VGA independent (1080p)	1 X HDMI (4K) 1 X VGA independent (1080p)	1 X HDMI (4K) 1 X VGA independent (1080p)	1 X HDMI (4K) 1 X VGA independent (1080p)	1 X HDMI (4K) 1 X HDMI (1080p) 1 X VGA independent (1080p)
Synchronous decoding	4 ch @ 4K, or 16-ch @ 1080p	4-ch @ 4K, or 16-ch @ 1080p	4-ch @ 4K, or 16-ch @ 1080p	2-ch @ 12 MP (20fps) or 4-ch @ 8 MP (30fps) or 8-ch @ 4MP (30fps) or 16-ch @ 1080p	4-ch @ 4K, or 16-ch @ 1080p
Audio Input/Output	From MIC IP Camera / 1-ch RCA				
Alarm Input / Relay	4/1	4/1	16/4	16/4	16/4
Video analysis	VCA, ANR, Text overlay function (POS)				
PoE interface	16 up to 200W,300m (Max.) PoE IEEE802.3af	16 up to 200W,300m (Max.) PoE IEEE802.3af	-	24 up to 210W,300m (Max.) PoE IEEE802.3af	-
Auxiliary interface	1 X RJ45 10/100/1000 Mbps 1x USB 2,0 1x USB 3,0	1 X RJ45 10/100/1000 Mbps 1x USB 2,0 1x USB 3,0	1 X RJ45 10/100/1000 Mbps 2x USB 2,0 1x USB 3,0	1 X RJ45 10/100/1000 Mbps 2x USB 2,0 1x USB 3,0	1X RJ45 10/100/1000 Mbps 1x USB 2,0 1x USB 3,0
Storage	2 X Sata Port, up to 6TB capacity	2 X Sata Port, up to 6TB capacity	4 X Sata Port, up to 6TB capacity	4 X Sata Port, up to 8TB capacity	8 X Sata Port, up to 6TB capacity
Power	100~240V AC, 280W Max.	100~240V AC, 280W Max.	100~240V AC, 80W Max.	100~240V AC, 300W Max.	100~240V AC, 200W Max.
Dimensions / Weight	380 × 290 × 45 mm / 3Kg	380 × 290 × 45 mm / 3Kg	445 × 400 × 71mm / 5Kg	445 × 400 × 71mm / 5Kg	470 × 445 × 90 mm / 8Kg

6 Series NVR				
Model				
	SF-NVR6104-4K-VS2	SF-NVR6104-4K4P-VS2	SF-NVR6108-4K	SF-NVR6108-4K-VS2
Video IP input	4ch	4ch	8ch	8ch
Decoding resolution	8 Mpx Max.			
Compression Video	H.265+/H.264+/H.265/H.264			
Incoming Bandwidth	40Mbps	40Mbps	80Mbps	80Mbps
Video output	1 X HDMI (4K) 1 X VGA independent (1080p)			
Synchronous decoding	1-ch @ 8 MP or 4-ch @ 1080p			
Audio Input/Output	From MIC IP Camera / 1-ch RCA			
Alarm Input / Relay	-			
Video analysis	VCA, ANR			
PoE interface	-	4 Ports up to 50W, 300m (Max) PoEIEEE802.3af	-	-
Auxiliary interface	1X RJ45 10/100/1000 Mbps 2 x USB 2,0	1X RJ45 10/100/1000 Mbps 2 x USB 2,0	1X RJ45 10/100/1000 Mbps 2 x USB 2,0	1X RJ45 10/100/1000 Mbps 2 x USB 2,0
Storage	1 X Sata Port, up to 6TB capacity			
Power	12V DC, 18W Max.	48V DC, 65W Max.	12V DC, 18W Max.	12V DC, 18W Max.
Dimensions / Weight	315 × 240 × 48 mm/ 1Kg			

6 Series NVR				
Model				
	SF-NVR6108-4K8P-VS2	SF-NVR6208-A8P-4K	SF-NVR6216-4K	SF-NVR6216-4K16P
Video IP input	8ch	8ch	16ch	16ch
Decoding resolution	8MP Max.			
Compression Video	H.265+/H.264+/H.265/H.264			
Incoming Bandwidth	80Mbps	80Mbps	160Mbps	160Mbps
Video output	1 X HDMI (4K) 1 X VGA independent (1080p)			
Synchronous decoding	1-ch @ 8 MP / 4-ch @ 1080p	2 ch @ 4K, or 8-ch @ 1080p	1 ch @ 4K, or 8-ch @ 1080p	2 ch @ 4K, or 8-ch @ 1080p
Audio Input/Output	From MIC IP Camera / 1-ch RCA			
Alarm Input / Relay	-	4/1	4/1	4/1
Video analysis	VCA, ANR			
PoE interface	8 Ports up to 120W, 300m (Max.) PoEIEEE802.3aff	8 Ports up to 120W, 300m (Max.) PoEIEEE802.3af	-	16 Ports up to 200W, 300m (Max.) PoEIEEE802.3af
Auxiliary interface	1X RJ45 10/100/1000 Mbps 1x USB 2,0 1x USB 3,0			
Storage	1 X Sata Port, up to 6TB capacity	2 X Sata Port, up to 6TB capacity	2 X Sata Port, up to 6TB capacity	2 X Sata Port, up to 6TB capacity
Power	48V DC, 65W Max.	100~240V AC, 180W Max.	12V DC, 40W Max.	100~240V AC, 280W Max.
Dimensions / Weight	315 × 240 × 48 mm/ 1Kg	385 × 315 × 52 mm/ 3Kg	385 × 315 × 52 mm/ 1Kg	385 × 315 × 52 mm/ 3Kg

	6 Series NVR		
Model			
	SF-NVR6232A-4K	SF-NVR6432-4K	SF-NVR6432-4K16P
Video IP input	32ch		
Decoding resolution	8MP Max.		
Compression Video	H.265+/H.264+/H.265/H.264		
Incoming Bandwidth	256Mbps		
Video output	1 X HDMI (4K) 1 X VGA independent (1080p)		
Synchronous decoding	2 ch @ 4K, or 8-ch @ 1080p		
Audio Input/Output	From MIC IP Camera / 1-ch RCA		
Alarm Input / Relay	4/1	16/4	16/4
Video analysis	VCA, ANR		
PoE interface	-	-	16 Ports up to 200W, 300m (Max.) PoEIEEE802.3af
Auxiliary interface	1 X RJ45 10/100/1000 Mbps 2x USB 2,0 1x USB 3,0	2 X RJ45 10/100/1000 Mbps 2x USB 2,0 1x USB 3,0	1X RJ45 10/100/1000 Mbps 2x USB 2,0 1x USB 3,0
Storage	2 X Sata Port, up to 6TB capacity	4 X Sata Port, up to 6TB capacity	4 X Sata Port, up to 6TB capacity
Power	12V DC, 40W Max.	100~240V AC, 80W Max.	100~240V AC, 300W Max.
Dimensions / Weight	385 × 315 × 52 mm / 2Kg	445 x 400 x 71 mm / 5Kg	445 × 390 × 70 mm / 5Kg

	NVR WIFI 6 Series		TRUE SENSE Series			
Model						
	SF-NVR6104-W	SF-NVR6108-W	SF-NVR8208A-4K-4AI	SF-NVR8208A-4K8P-4AI	SF-NVR8216A-4K-4AI	SF-NVR8216A-4K16P-4AI
Video IP input	4ch	8ch	8ch	8ch	16ch	16ch
Decoding resolution	5MP		12MP			
Compression Video	H.265+/H.264+/H.265/H.264		H.265+/H.264+/H.265/H.264			
Incoming Bandwidth	50Mbps		80Mbps	80Mbps	160Mbps	160Mbps
Video output	1 X HDMI/VGA (1080p)		1 X HDMI (4K)   1 X VGA independent (1080p)   1 X CVBS			
Synchronous decoding	4-ch@1080p		4 ch @ 4K, or 8-ch @ 1080p	4 ch @ 4K, or 8-ch @ 1080p	6 ch @ 4K, or 12-ch @ 1080p	6 ch @ 4K, or 12-ch @ 1080p
Wireless	Frequency band: 2,4Ghz Transmission Speed: 300Mbps IEEE 802.11b/g/n		-			
Audio Input/Output	From MIC IP Camera / 1-ch RCA		From MIC IP Camera / 1-ch RCA			
Alarm Input / Relay	-	-	4/1			
Video analysis	VCA, ANR		VCA, ANR, Text overlay function (POS), True Sense 4 Channels			
PoE interface	-	-	-	8 up to 120W,300m (Max.) PoEIEEE802.3af	-	8 up to 200W,300m (Max.) PoEIEEE802.3af
Auxiliary interface	1 x RJ45 100 Mbps 2 X USB 2.0		1 x RJ45 100 Mbps   1 X USB 2.0   1 X USB 3.0			
Storage	1 X Sata Port, up to 6TB capacity		2 X Sata Port, up to 8TB capacity			
Power	12V DC, 18W Max.		12V DC, 40W Max.	100~240V AC, 180W Max.	12V DC, 40W Max.	100~240V AC, 180W Max.
Dimensions / Weight	205 X 205 X 45 mm / 1Kg		380 X 315 X 52 mm / 2Kg	380 X 315 X 52 mm / 3Kg	380 X 315 X 52 mm / 3Kg	380 X 315 X 52 mm / 3Kg

## ADVANCED IP SOLUTIONS

### RETAIL

Safire offers complete solutions that act as deterrents and protection against intruders while also working as an analysing tool and generating reports at points of sale, hereby adding value to traditional security solutions.

#### 360° Fisheye

SF-IPDM360-12 features the **Heat Map** function where you can track the movement of pedestrian traffic over a period of time and view time density reports and statistics through a colour map.



The **Heat Map** is ideal for the retailer by providing essential information to identify the best product location, to know which products are most popular etc.

#### People Counter



The people counting camera analyses the store access and customer flow. The advanced camera provides people counting functionality that counts pedestrian traffic for instance at store entrances and can export daily reports. The traffic analysis can greatly improve business performance.

#### Wifi Series






Professional range of Wifi cameras.






#### Parking & Traffic







Automatic license plate recognition. The camera captures images of the vehicle, manages white and black lists, registers suspicious license plates and carries out intelligent searches for these parameters.

	Retail - Fisheye	
Model		
	SF-IPDM360W-5	SF-IPDM360-12
Image Sensor Type	High Performance CMOS	
Resolution	5MP@30FPS	12MP@20FPS
Video codec	H.265+/H.264+/H-265/H.264	H.264
Focal length	1,05mm	2mm
Field of view	180°	180°
Day/Night	IR CUT filter	IR CUT filter
Min. illumination	Color 0.01 Lux, 0 Lux with IR	
Infrared illumination	IR LED up to 8m	IR LED up to 15m
Backlight	WDR(120dB),BLC	D-WDR, BLC
Image processing	3D-NR, ROI, AWB,AGC,Defog	3D-NR,ROI,AWB,AGC,Defog
Video analysis	Intrusion detection, Tripwire	Intrusion detection, Tripwire Behavior analysis, Heat map
Display mode	Dewarping (ePTZ) from Safire Control Center or NVR	Dewarping (ePTZ) integrated Fisheye+Panorama+ePTZ
SD Card	Micro SD 128GB Max with ANR function	
Audio/Alarm/WiFi	Audio available/-/-	Alarm/Audio/-
Power supply	12V DC, 6,7W PoEIEEE802.3af	12V DC, 14,7W PoEIEEE802.3at
Working conditions	-10° C ~ +50° C	
Protection grade	Indoor	IP66, IK10
Dimensions / Weight	41x120(Ø)mm / 600gr	51x168(Ø)mm / 600gr

	Retail - People Counter		
Model			
	SF-IPCOUNT-001	SF-IPCOUNT-002Y	SF-IPCOUNT-003Y
Image Sensor Type	1/3" Progressive Scan CMOS		
Resolution	640 × 960		
Video codec	H.264		
Focal length	Dual Sensor 2.8mm	Dual Sensor 2mm	Dual Sensor 4mm
Field of view	82°	89°	63°
IR range	-	3m	5m
Video analysis	Specialized people counting function		
People Counting	Support separate counting of people entering, exiting and passing by		
Reports	Daily, Weekly, Monthly, Annual		
Height	Show Height, Filter Height		
SD Card	Flash Memory storing people counting data   Micro SD 128GB Max		
Audio / Alarm / WiFi	- / Alarm (1 / 1)	- / Alarm (2 / 1)	- / Alarm (2 / 1)
Power supply	12V DC, 7W   PoEIEEE802.3af		
Working conditions	-10° C ~ +40° C	-30° C ~ +60° C	-30° C ~ +60° C
Protection grade	Indoor	Indoor	Outdoor
Dimensions / Weight	194x70x36mmmm / 271g	216 × 87 × 57 mm / 850 g	226 × 88 × 64 mm / 850 g

Retail - WIFI Series					
Model					
	SF-IPDM809AWH-4W	SF-IPDM820AH-4W	SF-IPCV037AH-4W	SF-IPDM934WH-2W	SF-IPCV220WH-2W
Image Sensor Type	High Performance CMOS				
Resolution	4MP@20FPS, 2MP@25FPS	4Mpx@30FPS, 2Mpx@30FPS	4Mpx@30FPS, 2Mpx@30FPS	2MP@25FPS	2MP@25FPS
Video codec	H.265+/H.264+/H.265/H264				
Focal length	2,8mm				
Field of view	114°	117°	117°	115°	136°
Day/Night	IR CUT filter				
Min. illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.018 lux @(F1.6, AGC ON), 0 lux with IR	Color: 0.01 Lux @(F1.2; AGC ON), 0.028 Lux @(F2.0; AGC ON)	Color: 0.01 Lux @(F1.2; AGC ON), 0.028 Lux @(F2.0; AGC ON)	W: 0.001 Lux @(F1.2, AGC ON), 0.0028 Lux @(F2.0, AGC ON), 0 Lux with IR	Color: 0.01 Lux @(F1.2; AGC ON), 0.028 Lux @(F2.0; AGC ON); B/W 0 Lux with IR
Infrared illumination	IR LED up to 10m	IR LED up to 30m	IR LED up to 30m	IR LED up to 30m	IR LED up to 30m
Backlight	WDR (120dB),BLC	DWDR, BLC	DWDR, BLC	D-WDR,BLC	D-WDR,BLC
Image processing	3D-NR, ROI, ANR,MD,Mask	3D-NR, ROI, BLC,MD,Mask	3D-NR, ROI, BLC,MD,Mask	3D-NR, ROI, MD	3D-NR, ROI, MD
Video analysis	Intrusion detection / Tripwire/ Motion detection	Intrusion detection / Tripwire/ Motion detection/ Dynamic analysis	Intrusion detection / Tripwire/ Motion detection/ Dynamic analysis	Intrusion detection / Tripwire/ Motion detection/ Dynamic analysis	Intrusion detection / Tripwire/ Motion detection/ Dynamic analysis
SD Card	Micro SD 128GB Max	Micro SD 128GB Max with ANR function	Micro SD 128GB Max with ANR function	Micro SD 128GB Max	Micro SD 128GB Max
Audio / Alarm / WiFi	Microphone / Alarm / Wifi	Microphone / Wifi	Microphone / Wifi	-/-/Wifi	-/-/Wifi
Power supply	12V DC, 5W Max. PoEIEEE802.3af	12V DC, 6W Max. PoEIEEE802.3af	12V DC, 6W Max. PoEIEEE802.3af	12V DC, 5,3W Max PoEIEEE802.3af	12V DC, 5,8W Max PoEIEEE802.3af
Working conditions	-30° C ~ +60° C				
Protection grade	IP67, IK8	IP67	IP66	IP67	IP67
Dimensions/ Weight	57x110 (Ø)mm / 400gr	92 x121 (Ø)mm / 467gr	171 x70x70mm / 372gr	82x111 (Ø)mm / 500g	171x70x70mm / 350gr

Parking & Traffic: License Plate Recognition				
Model				
	SF-IPCV788ZW-2LPR	SF-IPCV788LZUAW-2LPR	SF-IPB778Z-2YLPR	SF-IPB778Z-2YLPR-8032
Image Sensor Type	High Performance CMOS Ultra Low Light	High Performance CMOS Ultra Low Light	Progressive Scan CMOS Ultra Low Light	Progressive Scan CMOS Ultra Low Light
Resolution	2MP@25FPS	2MP@60FPS	2Mpx@60FPS	2Mpx@60FPS
Video codec	H.265+/H.264+/H.265/H264	H,264+ / H.264	H.265+ / H.265 / H.264+ / H.264	H.265+ / H.265 / H.264+ / H.264
Focal length	2.8-12 mm AutoFocus MotorZoom	8-32 mm AutoFocus MotorZoom	2.8-12 mm AutoFocus MotorZoom	8-32 mm AutoFocus MotorZoom
Field of view	90°~31°	42°~13,5°	92°-32°	50.4°-15.7°
Day/Night	IR CUT filter			
Min. illumination	Color: 0.002 Lux @ (F1.2, AGC ON) 0.0027 Lux @ (F1.4, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON) 0.00027 Lux @ (F1.4, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON), 0.0027 Lux @ (F1.4, AGC ON), 0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON), 0.0027 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR	Color: 0.002 Lux @ (F1.2, AGC ON), 0 Lux with IR
Infrared illumination	IR LED up to 30m	IR LED up to 100m	White light range up to 50m	White light range up to 100m
Backlight	WDR(120dB), BLC	WDR(120dB), BLC	WDR(140dB), BLC	WDR(140dB), BLC
Image processing	3D-NR, ROI, AWB, Motion detection, Mirror, Mask,ANR	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask	3D-NR, ROI, AWB, Motion detection, Mirror, Mask
Video analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal			
LPR	Recognition area & Country configurable LPR up to 70 km/h & up to 4 lanes Rate of accuracy 98%	Recognition area & Country configurable LPR up to 120 km/h & up to 4 lanes Rate of accuracy 98%	Recognition area & Country configurable Rate of accuracy 98%	Recognition area & Country configurable Rate of accuracy 98%
SD Card	Micro SD 128GB Max with ANR function			
Audio / Alarm / WiFi	Audio/Alarm/-	Audio/Alarm/-	- / Alarm (2/2) /-	- / Alarm (2/2) /-
Power supply	12V DC, 12W (Max) PoEIEEE802.3af	12V DC, 23W (Max) PoEIEEE802.3af	12V DC, 22W (Max) PoEIEEE802.3af	12V DC, 22W (Max) PoEIEEE802.3af
Working conditions	-30° C ~ +60° C			
Protection grade	IP67	IP67	IP67 / IK10	IP67 / IK10
Dimensions/ Weight	312x104x100mm/2Kg	349x114x112mm/2.1Kg	131 x 140 (Ø) mm / 2,5 Kg	351 x 140 (Ø) mm / 2,5 Kg



### Perimeter & Industry

To protect factories and industrial enclosures with a high level of reliability Safire has a wide range of thermal cameras and dual cameras. These cameras ensure the protection of assets and produced goods as well as monitoring the production processes.

The thermal cameras have a powerful hardware that allows the use of Deep Learning algorithms to ensure high accuracy in the classification of images.



• Perimeter control



• Control of production processes

### Thermal Lens



	Perimeter & Industry - Thermal		
	Thermal Sensor		
Model			
	SF-IPTCV793A-10	SF-IPTCV793A-15	SF-IPTCV793A-25
Image Sensor Type (Thermal / Optical)	Vanadium Oxide Uncooled FPA / -		
Resolution (Thermal /Optical)	384x288@50FPS Vox / -		
Focal length (Thermal / Optical)	10 mm / -	15 mm / -	25 mm / -
Field of view ( Thermal / Optical)	36° x 27° / -	24.55° x 18.54° / -	14.88° x 11.19° / -
Min. illumination	-		
Response Waveband	8µm to 14µm		
NETD	≤50mK		
Video codec	H.264+/H264		
Temperature Range	-20°C to 150°C		
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 regions and 1 line)		
Temperature Accuracy	± 8°C		
Fire Detection	Supports to 10 fire points		
Detection (Human/Vehicle)	294m / 902m	441m / 1353m	735m / 2255m
Recognition (Human/Vehicle)	74m / 225m	110m / 338m	184m / 564m
Identification (Human/Vehicle)	37m / 113m	55m / 169m	92m / 282m
Image processing	3D-NR, AGC, Dynamic Detail Enhancement		
Video analysis	Line crossing / Intrusion / Region entrance / Region exiting		
SD Card	Micro SD 64GB Max		
Audio (I/O) / Alarm (I/O)	Audio (1/1) / Alarm (2/2)		
Power supply	12V DC, 24C AV, 20W (Max) POE+ IEEE802.3at		
Working conditions	-40° C ~ +65° C		
Protection grade	IP66, TVS 6000V		
Dimensions / Weight	314x104x93mm/2Kg		

	Perimeter & Industry - Thermal				
	Thermal Sensor				
Model					
	SF-IPTCV793DHA-15	SF-IPTCV793A-25-V1	SF-IPTB793A-25-VP	SF-IPTB793DHA-35	SF-IPTB793DHA-35
Image Sensor Type (Thermal / Optical)	Vanadium Oxide Uncooled FPA / -				
Resolution (Thermal /Optical)	384x288@50FPS Vox / -				
Focal length (Thermal / Optical)	15 mm / -	25 mm / -	25 mm / -	35 mm / -	35 mm / -
Field of view ( Thermal / Optical)	24.55° x 18.54° / -	14.88° x 11.19° / -	14.88° x 11.19° / -	10.66° x 8,002° / -	10.66° x 8,002° / -
Min. illumination	-				
Response Waveband	8µm to 14µm				
NETD	≤40mK				
Video codec	H.265+/H.264+/H.265/H264				
Temperature Range	-20°C to 150°C				
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 regions and 1 line)				
Temperature Accuracy	± 8°C				
Fire Detection	Supports to 10 fire points				
Detection (Human/Vehicle)	441m / 1353m	735m / 2255m	735m / 2255m	1029m / 3157m	1029m / 3157m
Recognition (Human/Vehicle)	110m / 338m	184m / 564m	184m / 564m	257m / 789m	257m / 789m
Identification (Human/Vehicle)	55m / 169m	92m / 282m	92m / 282m	129m / 395m	129m / 395m
Image processing	3D-NR, AGC, Dynamic Detail Enhancement				
Video analysis	Line crossing / Intrusion / Region entrance / Region exiting	Line crossing / Intrusion / Region entrance / Region exiting	Not available	Line crossing / Intrusion / Region entrance / Region exiting	Line crossing / Intrusion / Region entrance / Region exiting
SD Card	Micro SD 128GB Max				
Audio (I/O) / Alarm (I/O)	'Audio (1/1) / Alarm (2/2)				
Power supply	12V DC, 24C AV, 20W (Max) POE+ IEEE802.3at				
Working conditions	-40° C ~ +65° C				
Protection grade	IP66, TVS 6000V				
Dimensions / Weight	314x104x293mm/2Kg				

### DUAL THERMAL CAMERAS (Bi-Spectrum)

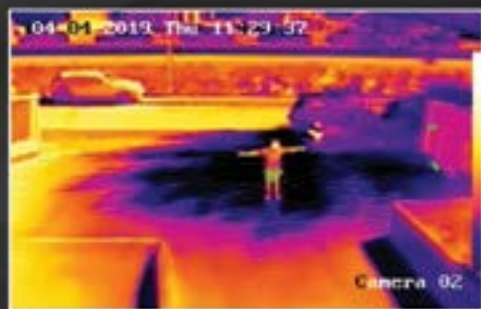
Dual thermal cameras have 2 sensors, one optical and one thermal and by combining their images through different processing technologies they are giving a better result than conventional thermal cameras.




The cameras have an alarm function that allows you to set a temperature threshold so you can prevent overheating and fires. They also have Deep Learning algorithms to incorporate intelligent functions such as line crossing, entry/exit of a zone etc.

#### Optical Lens



#### Thermal Lens



	Perimeter & Industry - Thermal		
	Dual Thermal Cameras		
Model			
	SF-IPTDM011DHA-2D2	SF-IPTDM011DHA-3D2	SF-IPTDM011DHA-6D2
Image Sensor Type (Thermal / Optical)	Vanadium Oxide Uncooled FPA / 1/2.8" Progressive Scan CMOS		
Resolution (Thermal /Optical)	160x120@25FPS / 1080p@25FPS		
Focal length (Thermal / Optical)	1.8 mm / 2.1 mm	3.1 mm / 4 mm	6.2 mm / 6 mm
Field of view ( Thermal / Optical)	90° x 66.4° / -	50° x 37.2° / 87° x 46.2°	25° x 18.7° / 53° x 30°
Min. illumination	Color: 0.002 Lux @(F1.2,AGC ON) B/W: 0.0002 Lux @(F1.2, AGC ON)		
Response Waveband	8µm to 14µm		
NETD	≤ 40 mK		
Video codec	H.265+ / H.265 / H.264+ / H.264		
Temperature Range	-20°C to +150°C		
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 areas, and 1 line)		
Temperature Accuracy	± 8°C		
Fire Detection	Support to 10 fire points		
Detection (Human/Vehicle)	53 m / 162 m	91 m / 280 m	182 m / 559 m
Recognition (Human/Vehicle)	13 m / 41 m	23 m / 70 m	46 m / 140 m
Identification (Human/Vehicle)	7 m / 20 m	11 m / 35 m	23 m / 70 m
Image processing	3D-DNR, AGC, Dynamic Detail Enhancement		
Video analysis	Line Crossing / Intrusion / Region entrance / Region Exiting (Up to 8 rules)		
SD Card	Micro SD 256GB Max		
Audio (I/O) / Alarm (I/O)	Audio (1/1) / Alarm (1/1)		
Power supply	12V DC, 24C AV, 20W (Max) POE+ IEEE802.3af		
Working conditions	-30°C ~ 60°C		
Protection grade	IP67		
Dimensions / Weight	134.2 mm x 123.9 mm x 107.7 mm / -		

	Perimeter & Industry - Thermal				
	Dual Thermal Cameras				
Model					
	SF-IPTCV011DHA-3D2	SF-IPTCV011DHA-6D2	SF-IPTCV792A-7D2	SF-IPTCV792A-10D2	SF-IPTB013DHA-15D2Y
Image Sensor Type (Thermal / Optical)	Vanadium Oxide Uncooled FPA / 1/2.8" Progressive Scan CMOS				
Resolution (Thermal /Optical)	160x120@25FPS / 1080p@25FPS				384x288@50FPS Vox / 2Mpx@25FPS
Focal length (Thermal / Optical)	3.1/4mm	6 mm / 6mm	7 mm / 6mm	10 mm / 8 mm	15 mm / 6 mm
Field of view ( Thermal / Optical)	50° x 37.2° / 53° x 30°	25° x 18.7° / 53° x 30.0°	33.9° x 25.0° / 52.8° x 30.0°	23.3° x 17.6° / 40.0° x 22.4°	37,7° x 28,7° / 52,8° x 30°
Min. illumination	Color: 0.002 Lux @(F1.2,AGC ON) B/W: 0.0002 Lux @(F1.2, AGC ON)				
Response Waveband	8µm to 14µm				
NETD	≤40mK	≤ 40 mK	≤50mK	≤50mK	≤50mK
Video codec	H.265+/H.264+/H.265/H264	H.265+ / H.265 / H.264+ / H.264	H.264+/H264	H.264+/H264	H.264+/H264
Temperature Range	-20°C to +150°C				
Temperature Measurement	3 temperature measurement rule types, 21 rules (10 points, 10 areas, and 1 line)				
Temperature Accuracy	±8°C				
Fire Detection	Support to 10 fire points				
Detection (Human/Vehicle)	280 m / 91 m	182m / 559m	140m / 429m	200m / 613m	441m / 1353m
Recognition (Human/Vehicle)	23 m / 70 m	46m / 140m	35m / 107m	50m / 153m	110m / 338m
Identification (Human/Vehicle)	11 m / 35 m	23m / 70m	18m / 54m	55m / 77m	55m / 169m
Image processing	3D-DNR, AGC, Dynamic Detail Enhancement				
Video analysis	Line Crossing / Intrusion / Region entrance / Region Exiting (Up to 8 rules)				
SD Card	Micro SD 128GB Max				
Audio (I/O) / Alarm (I/O)	Audio (1/1) / Alarm (2/2)				
Power supply	12V DC, 24C AV, 12W (Max) POE+ IEEE802.3af	12V DC, 24C AV, 12W (Max) POE+ IEEE802.3af	12V DC, 24C AV, 20W (Max) POE+ IEEE802.3af	12V DC, 24C AV, 20W (Max) POE+ IEEE802.3af	12V DC, 24C AV, 20W (Max) POE+ IEEE802.3af
Working conditions	-40° C ~ +60° C				
Protection grade	IP66, TVS 6000V				
Dimensions / Weight	315x106x107mm/1,5Kg	315x106x107mm/1,5Kg	314x104x93mm/2Kg	314x104x93mm/2Kg	314x104x93mm/2Kg

## ACCESS CONTROL

Safiro offers a complete range of Access Control that is integrated in the same software platform as CCTV, Safiro Control Center.

- Control access to different areas of an installation.
- Multiple access modes: RFID, password and fingerprint.
- Autonomous devices, controllers and readers.
- Registration with visualization of users who have accessed.
- Monitoring of doors in real time from software and app.
- Special functions such as anti-passback, locks and open door.
- Alarms for attempted intrusion and opening and closing of doors in case of fire.



Model	Readers		
			
	SF-AC1102EMD-R	SF-AC1003EM-WR	SF-AC1104MF-WR
Processor	32 Bit High-performance Processor		
Sensor	Optical Fingerprint Module Red	-	-
Capacity	5.000 Fingerprints	-	-
Reading Mode	Built-in EM 125KHz	Built-in EM 125KHz	Built-in Mifare 13.56MHz
Communication Interface	RS485	RS485 & Wiegand 26 / 34	RS485 & Wiegand 26 / 34
False Accept Rate	≤ 0.001%	-	-
False Rejection Rate	≤ 0.01%	-	-
Comparison Mode/Time	1:1 ≤ 1s; 1:3000 ≤ 1.5s	-	-
LED Indicator	Power, Communication, Status		
Alarm	1 x Tamper / Buzzer		
Reading Distance	30mm ~ 100 mm	0 mm ~ 50 mm	0 mm ~ 50 mm
Power supply	DC12V	DC12V, 6W max.	DC12V, 6W max.
Working Humidity	10% to 90% (No Condensing)		
Working conditions	40°~+70° C	-20°~+65° C	-20°~+65° C
Protection grade	IP65	IP64	IP65, IK10
Dimensions / Weight	62 x 132 x 44 mm / 210 gr	86.5 x 121 x 14 mm / 140 gr	76 x 118 x 23 mm / 520 gr

Model	Standalone	
		
	SF-AC3011-RIP	SF-AC3011MF-RIP
Operation system	Linux	
Sensor	Optical Fingerprint Module Red	
Storage	3.000 Cards and 100.000 Records	
Fingerprint Capacity	3.000 Fingerprints. 10 per user	
Comparison Mode/Time	1:1 ≤ 1s; 1:3000 ≤ 1s	
False Accept Rate	≤ 0.001%	
False Rejection Rate	≤ 0.01%	
External Card Reader	Device with Wiegand 26/34	
Reading Mode	Built-in EM 125KHz & Keyboard	Built-in MiFare 13.56MHz & Keyboard
Reading Distance	0 mm ~ 50 mm	
Communication Interface	TCP/IP, RS485 & Wiegand 26 / 34	
Wiegand Interface	Input & output	
Input Interface	1xExit Button, 1x Door Sensor, 1x Alarm	
Output Interface	1x Relay, 1x Alarm	
LCD Screen	2.4" 320X240 LCD TFT	
Audio	1 Buzzer	
LED Indicator	Power, Communication, Status	
Power supply	DC12V, 24W max.	
Working Humidity	10% to 90% (No Condensing)	
Working conditions	-10°~+55° C	
Protection grade	IP42	
Dimensions / Weight	76.5 x 205 x 37 mm / 612 gr	

Model	Controllers	
		
	SF-AC2202-WIP	SF-AC2203-WRIP
Processor	32 Bit High-performance Processor	
Communication Interface	TCP/IP, Wiegand 26 / 34	TCP/IP, RS485 & Wiegand 26 / 34
Storage	10.000 Cards and 50.000 Records	100.000 Cards and 300.000 Records
LED Indicator	Power, Communication, Status	
Readers	4 x Wiegand	4 x RS485 / 4 x Wiegand
Input Interface	2x Exit Button, 2x Door Sensor, 2x Case Input	2x Exit Button, 2x Door Sensor, 4x Alarm, 4 x Case Input
Output Interface	2x Relay, 4x Alarm	2x Relay, 4x Alarm
Power supply	DC12V, 12W max.	
Readers	DC12V, 3.5W max.	DC12V, 4W max.
Power	DC12V, 50W max.	
Working Humidity	10% to 90% (No Condensing)	
Working conditions	-25°~+65° C	
Dimensions / Weight	285 x 237 x 69 mm / 1800 gr	370 x 345 x 90 mm / 2500 gr
Model	Accessories	
		
	SF-ACREADER-D	
Processor	32 Bit High-performance Processor	
Fingerprint Reader	Optical Fingerprint Module Red	
Resolution	508 dpi	
Fingerprint Template Size	256 x 288 (pixel)	
Communication Interface	USB 2.0	
Power supply	DC5V, 1W max.	
Working conditions	-30°~+70° C	
Operation system	Windows XP / 7 / 10	
Dimensions / Weight	100 x 48 x 35 mm / 180 gr	

## VIDEOINTERCOMS

The video intercom systems includes a wide range of products with the latest technology that can be adjusted to different installations. You can control entries and calls from the indoor monitor or from anywhere in the world with the security software.

### IP Video Intercom

You can use a screen and an external IP unit in a conventional way, and additionally you will have remote access from the mobile app. The video intercoms are robust and have IP65 and IKD9 protection. They can be added to small buildings of up to 4 apartments independently, maintaining all the advantages of the IP video intercom.

### 2-wire Video Intercom

If you have an old installation without ethernet wiring, you can replace the old intercom reusing the existing wiring. With only two wires you can install the video intercom system which added to the hub, allows you to have the functionality of an IP video intercom.

### Doorbell

The latest wifi doorbell technology. You can receive calls through your mobile app with bidirectional audio and even receive an alarm if someone has approached the door without calling.



	Indoor Station	
Model		
	SF-VI201-2	SF-VI202-IP
Processor	High-Performance Embedded SOC	
Operation system	Embedded Linux	
Display screen	7" TFT LCD	
Resolution	1024 × 600	1024 × 600
Audio input	Built-in Omnidirectional Microphone	
Audio output	Built-in Loudspeaker	
Audio quality	Noise Suppression and Echo Cancellation	
Memory	-	Slot MicroSD up to 32GB
Network interface	Two-Wire interface	1 RJ-45 10/100 Mbps / RS485
Network protocol	TCP/IP, RTSP	
Output Interface	Alarm Output	
Input Interface	-	8 x Alarm
Power supply	Power with SF-VI401-2 / 10W max.	DC12V, 10W max. /Power with SF-VI402-IP
Working Humidity	10% to 90% (No Condensing)	10% to 90% (No Condensing)
Working conditions	-10°~+55° C	
Dimensions	196 x 133 x 25.75 mm / 920 gr	217 x 142 x 26 mm / 800 gr

	Outdoor Station			
Model				
	SF-DB001-WIP	SF-VI101-2	SF-VI104E-IP	SF-VI108E-IP
Processor	High-Performance Embedded SOC			
Operation system	Embedded Linux			
Camera	1.3" CMOS 2 Mpx HD 1.96mm	CMOS 2 Mpx HD 155° Fisheye	1.3" CMOS 2 Mpx HD Pinhole 3.47mm	CMOS 1.3 Mpx HD
Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1280 X 720
Audio input	Built-in Omnidirectional Microphone			
Audio output	Built-in Loudspeaker			
Audio compression	G.711 U			
Audio quality	Noise Suppression and Echo Cancellation			
Access Control	N/A	Exit Button, Door detection	Exit Button, Door detection	Exit Button, Door detection, Mifare Card
Network interface	1 Wireless Interface Supporting 2.4 GHz	Two-Wire interface	1 RJ-45 10/100 Mbps / RS485	1 RJ-45 10/100 Mbps / RS485
Network protocol	TCP/IP, RTSP			
Output Interface	-(only doorbell)	1-ch 12 VDC Output	1 Relay	1 Relay
Input Interface	Motion Detection	1 x Call button, Door Magnetic Alarm, Tampering Alarm	1 x Call button, Door Magnetic Alarm, Tampering Alarm, Motion Detection	4 x Call button, Door Magnetic Alarm, Tampering Alarm
Power supply	DC12V, 7.2W max.	DC24V, 10W max. /Power with SF-VI401-2	DC12V, 10W max. / PoE	DC12V, 10W max. /Power with SF-VI402-IP
Working Humidity	10% to 90% (No Condensing)			
Working conditions	-30°~+50° C	-30°~+60° C	-30°~+50° C	-40°~+60° C
Protection grade	IP54	IP65	IP66, IK09	IP65
Dimensions	122.4 x 45.9 x 28.1 mm / 210 gr	163 x 104 x 44 mm / 420 gr	161.9 x 74.1 x 53.5 mm / 773 gr	182 x 100 x 33 mm / 420 gr

Accessories



SF-VI401-2

SF-VI402-IP

SF-VIB001

1 x Ethernet Port 10/100 Mbps

8 x Ethernet Port 10/100 Mbps

Surface Mounted

9-ch 2-wire Interface

6 x Adaptive 10/100 Mbps LAN to devices

60 W max.

Powers IP video intercom devices

24V DC

Kits



SF-VI302-2

SF-VI301-IP

SF-VI101-2

SF-VI101E-IP

SF-VI201-2

SF-VI203-IP

SF-VI401-2

# safire CONTROL CENTER

**SAFIRE CONTROL CENTER** is the most complete security software in the market. You only need a single software to manage all your security systems including CCTV, access control and video intercoms. In addition, it has special functions such as the management of people counting and license plate searching.

## CCTV

In the CCTV module you can manage all your video surveillance systems with advanced functions as well as live viewing, accessing created events, playback recordings and PTZ control.

## CONTROL DE ACCESOS

The access control module is powerful, simple and intuitive with an interface that allows you to manage the users in an efficient way. It is possible to assign different access permissions to different users and you can enter additional data such as email, date of birth and address for human resources management. You can make fast additions of cards and visits with a limited expiration time, so you can configure and handle unexpected visits in a very simple way.

The software allows you to connect to the entire range of Safire; both the powerful controllers and the standalone terminals. For any device you can configure different access hours for different groups or users according to the permissions granted by the administrator.

It can be used for all installation types, from a small house to an apartment block. It has a variety of special functions such as multi-door interlock, anti-passback, open door with first card, multiple identification etc. You can even assign different routes to each user to reach the area that they have access to.

The security is vital, therefore black lists can be generated with persons who are not allowed to access and where the alarms of the whole system will be activated.



One software to control everything

## VIDEO INTERCOM

In the video intercom section the system can work as a communication center where you can contact the rest of the monitors introduced in the system and create a line of video calls between them. You can also manage the range of video intercom systems with access through Mifare cards.

Safire Control Center can act as the main monitor so you can receive calls with a pop-up through the software if someone calls the video intercom and you can manage the call in the same way as through a monitor.

Both for access control and video intercom systems, the software can download the registrations from the devices to give you a comprehensive control of who has been in each location. This together with the CCTV management allows you to have control of all the security of an installation in a single software.


ACCESSORIES

Safire offers the highest quality accessories needed for CCTV installations, Access Control and Video Intercoms.

- All the solutions that professional security installers need.
- Professional quality accessories.
- High reliability and resistance.
- Adapted to the latest technologies.



CCTV Testers		
Model		
	TESTER3-5N1	TESTER4-5N1-4M
Display screen	3,5" TFT- LCD (480x320)	4,3" TFT- LCD (Touch pad) (960x540)
Video standard	HDTV, HDCVI, AHD, CVBS	
Max. Resolution	Up to 2MP	Up to 5 MP over Coaxial Up to 4K from IP Cam
Inputs	2 X BNC, 1 X RS485, 1 X RJ45 (UTC/SCAN), 1 X Audio, 1 X miniUSB	2 X BNC, 1 X RS485 1 X RJ45 (UTC/ SCAN), 1 X Audio, 1 X HDMI
Outputs	1 X BNC	1 X BNC, 1 X HDMI
Outputs of power	1 X DC 12V 1A	1 X DC 12V 1A, 1 X PoE24W Max
MicroSD	N/A	
Battery	Li-ion 3,7V 3000 mAh	Li-ion 7,4V 5000 mAh
Dimensions / Weight	194x112x48mm/540gr	215x127x53mm/ 820gr
Digital multimeter	✓	✓
PTZ Control	✓	✓
Speaker	✓	✓
Onvif	✗	✓
Wifi	✗	✓
Torch LED	✗	✓
Scanning IP address, PING test, server FTP, DHCP	✗	✓
Test Audio	✗	✓
Test POE	✗	✓
TDR	✗	✗

CCTV Testers			
Model			
	TESTER7-5N1-4M	SF-TESTER-ARM-5N1-4K	SF-TESTER4-5N1-4K
Touch	7" TFT- LCD (Touch pad) (1920x1080)	4" TFT- LCD (Touch pad)	4" TFT- LCD (Touch pad) (800x480)
Video standard	HDTV, HDCVI, AHD, CVBS, IP		
Max. Resolution	Up to 5 Mpx over Coaxial Up to 4K from IP Cam	Up to 8 Mpx over Coaxial HDTV up to 8Mpx HDCVI up to 4Mpx AHD up to 5 Mpx	Up to 8 Mpx over Coaxial HDTV up to 8 Mpx HDCVI up to 8 Mpx AHD up to 5 Mpx
Inputs	2 X BNC, 1 X RS485, 1 X RJ45 (UTC/ SCAN), 1 X Audio, 1 X HDMI	1 X BNC, 1 X RS485, 1 X Audio	1 X BNC, 1 X HDMI, 1 X RS485, 1 X Audio
Outputs	1 X BNC, 1 X HDMI, 1 X Audio	-	1 x BNC (looped output), 1 X Audio
Outputs of power	1 X DC 12V 1A, 1 X PoE24W Max	1 X DC 12V 3A 1 X PoE24W Max	1x DC 12V / 2A 1x PoE24W Max
MicroSD	Available up to 4GB	-	Available up to 8 GB SD card
Battery	Li-ion 7,4V 5000 mAh	Li-ion 7,4V 2400 mAh	Li-ion 7,4V 4000 mAh
Dimensions / Weight	240x143x35mm / 1,2Kg	126x83x33mm / 320gr	204x123x38mm / 600gr
Digital multimeter	✓	✗	✓
PTZ Control	✓	✓	✓
Speaker	✓	✗	✗
Onvif	✓	✓	✓
Wifi	✓	✓	✓
Torch LED	✓	✗	✗
Scanning IP address, PING test, server FTP, DHCP	✓	✓	✗
Test Audio	✓	✓	✓
Test POE	✓	✓	✓
TDR	✓	✗	✓

PoE Switches



SW0504POE-65W	SW0908POE-120W	SW2016POE-150W
1~4 Ethernet Ports 10/100 Mbps	1~8 Ethernet Ports 10/100 Mbps	1~16 Ethernet Ports 10/100 Mbps
1 Up-link Gigabit(1000 Mbps)	1 Up-link Gigabit(100 Mbps)	2 Up-link Gigabit(1000 Mbps)
CCTV Mode available Up 250m@ 10Mbps	CCTV Mode available Up 250m@ 10Mbps	CCTV Mode available Up 250m@ 10Mbps
PoEIEEE802.3at PoE+ / IEEE 802.3af PoE	PoEIEEE802.3at PoE+ / IEEE 802.3af PoE	PoEIEEE802.3at PoE+ / IEEE 802.3af PoE
65W Max.	120W Max. Up to 25,5W by port	150W Max. Up to 30W by port

PoE Switches



SW2824POE-250W	SF-SW1816POE-135	SF-SW0908POE-60
1~24 Ethernet Ports 10/100 Mbps	1~16 Ethernet Ports 10/100 Mbps	1~8 Ethernet Ports 10/100 Mbps
1 Up-link Gigabit(1000 Mbps)	1 Up-link Gigabit(1000 Mbps)	1 Up-link Gigabit(100 Mbps)
CCTV Mode available Up 250m@ 10Mbps	CCTV Mode available Up 250m@ 10Mbps	CCTV Mode available Up 250m@ 10Mbps
PoEIEEE802.3at PoE+ / IEEE 802.3af PoE	PoEIEEE802.3at PoE+ / IEEE 802.3af PoE	PoEIEEE802.3at PoE+ / IEEE 802.3af PoE
250W Max. Up to 30W by port	135W Max. Up to 30W by port	58W Max. Up to 30W by port

Keyboards



SF-KB1005-USB	SF-KB1200
Keyboard for network control	Keyboard for network control
USB 2.0, DirectX	RJ45, USB, RS485, RS422, RS232
-	Pelco P/D Safire
5V DC via USB	12V DC, 4,5W
167mm x 178mm x 116mm / 1,1Kg	110x435x193mm / 1Kg

Converter



Model	SF-BNC4K-HDMI
Functions	Convorsor BNC to HDMI
Resolution	Up to 8 Mpx
Impedance	Switch 75 ohm / Hi-Z
Input / Output	2 BNC / 1 HDMI
Others	Test for Cameras
Power supply	5 VDC / 1 A

Microphones



MIC01	MIC02
Condenser Microphone	Audio Surveillance Microphone
RCA Connector	Bare wire connection
DC Jack in/out	DC 2 way terminal
500mm	130mm

Portable battery



Model	BATP200W-LI220WH
Capacity/Maximum output continiumPower	Rechargeable lithium battery 11.1V 220Wh / 200W
Output	1 X AC 220V 4 X 9~12V DC 2 X USB 5V (2,1A Max.) 1X USB 5V~9V 2.1A Max Quick Charge 3.0 1X USB C
Charging time	DC15V/3A: 8~9 hours
Dimensions / Weight	125 (H) x 241 (W) x 125 (D) mm / 2,2Kg

Connectors

CON100	CON100HD	CON102	CON105	CON110	CON116	CON120	CON150	CON210
BNC male crimp RG59	BNC HD male crimp RG59	Power distributor 1 Male In, 2 female Out	Power distributor 1 Male In, 5 female Out	BNC male crimp Micro-RG59	Male solder for RG59	BNC male screw Micro-RG59	BNC male screw on RG59	BNC male to RCA female

Connectors

CON215	CON220	CON225	CON230	CON240	CON250	CON280	CON280A	CON285	CON285A
Converter BNC female to RCA female	BNC female to RCA male	Converter BNC male to RCA male	BNC female to BNC female	Connector RCA female to RCA female	"T" type connector BNC male to 2 BNC female	Female DCPower jack	DC female Power to 2 way spring terminal	Male DCPower Jack	DC male Power jack to 2 way spring terminal

Connectors

CON290	CON290A	CON291	CON295	CON295A	CON296	CON297	CON298	CON300	CON-DCM
BNC female connector	BNC male connector to 2 way spring terminal	BNC female connector with 2-pin +/- output	RCA male connector	RCA male connector to 2 way spring terminal	RCA female connector with 2-pin +/- output	Jack 3.5 mm Mono connector with 2-pin +/- output	Jack 3.5 mm stereo jack with 2-pin +/- output	RJ45 crimp	Parallel 40 cm Black Red Cable with screw terminals and standard round Power connector for Cameras

Siamese Coax Cable

UTP1-2W	UTP1-5W	UTP5E-300	UTP5E-300-H	UTP6E-300
Cable UTP Category 5E 2 Meters	Cable UTP Category 5E 5 Meters	UTP Cable Coil Category 5E 300 Meters	UTP Cable Coil Category 5E Halogen free 300 Meters	UTP Cable Coil Category 6E 300 Meters





Siamese Coax Cable





FTP5E-300	COX10	COX20	COX20A	COX30
FTP Cable Coil Category 5E 300 Meters	10 Meters BNC Video+Power	20 Meters BNC Video+Power	20 Meters BNC male-male & Jack female-male Video+Power	30 Meters BNC Video+Power




Baluns




BA609-HAC	BA610-HAC	BA612P-HAC	BA621P-HAC	BA612P-POC		
Passive twisted pair transceiver	Passive twisted pair transceiver	Passive twisted pair transceiver	Passive twisted pair transceiver	POC Passive transceiver Video & Power Only Safire HDTV I		
Distance	720p	250m / 400m / 350m	250m / 400m / 350m	250m / 450m	230m / 450m	450m/250m / 250m
	1080p	450m/250m / 250m	450m/250m / 250m	250m / 250m	230m / 180m	300m / 250m / 250m
	4MP	200m / 200m / 150m	180m / 230m / 200m	150m / 150m / 180m	180m / 200m / 200m	-
	4K	- / 180m / -	180m / 180m / -	180m / 180m / -	- / 200m / -	-
Technology	HDTV I/HDCVI/AHD	HDTV I/HDCVI/AHD	HDTV I/HDCVI	HDTV I/HDCVI	HDTV I/HDCVI/AHD	



UPS				
Model				
	UPS600VA-2	UPS800VA-6	UPS1000VA-4	UPS1500VA-4
Category	Live interactive / Senoidal wave simulated			
Power	600VA/360W	800VA/480W	1000VA/600W	1500VA/900W
Input voltage	220~240 Vac			
Output voltage	230 Vac (±10%)			
Battery type	VRLA AGM made with lead	VRLA AGM made with lead	VRLA AGM made with lead	2 x VRLA AGM made with acid lead
Recharge time	6~8 hours to 90% capacity			
Dimensions / Weight	142mm x 101mm x 298mm / 4,3Kg	90mm x 190mm x 270mm / 5Kg	162mm x 150mm x 338mm / 7,8Kg	198mm x 158mm x 380mm / 11Kg

CCTV Monitors				
Model				
	SF-MNT10BNC	SF-MNT20	SF-MNT22	SF-MNT24
Diagonal	10.1" (16:9)	19.5" (16:9)	21.5" (16:9)	24" (16:9)
Resolution	1920x1080@60Hz	1920 x 1080	1920x1080@60Hz	1920x1080@75Hz
Viewing Angle	160° Horizontal / 150° Vertical	178° Horizontal / 178° Vertical	170° Horizontal / 160° Vertical	170° Horizontal / 160° Vertical
Input / Output	D-Sub (VGA), HDMI, 2 x BNC IN / 1 x BNC OUT, 1 x RCA Out	1 X VGA 1 X HDMI	1 X VGA 1 X HDMI	D-Sub (VGA), HDMI, 1 x BNC IN / 1 x BNC OUT, USB
Others	Speakers included	Speakers included (2 x 2W) Compatible with vesa support	Speakers N/A Compatible with vesa support	Compatible with vesa support
Power supply	DC12V, 4,8W max	DC12V, 16W max	AC 100 ~ 240V , 30W Max.	DC12V, 30W max
Dimensions	255mmx183mmx18,3mm / 2,4 Kg	468mmx277x49mm / 3,8Kg	511mm x 377mm x 46mm / 4,5Kg	561mm x 45mm x 399mm / 5,1Kg

CCTV Monitors			
Model			
	SF-MNT27-2K	SF-MNT27-4K	SF-MNT28-4K
Diagonal	27" (16:9)	27" (16:9)	28" (16:9)
Resolution	2560x1440@75Hz	3840x2160@60Hz	3840x2160@60Hz
Viewing Angle	170° Horizontal / 160° Vertical	178° Horizontal / 178° Vertical	170° Horizontal / 160° Vertical
Input/Output	1 X HDMI 2,0 1 X USB (Charging only) 1 X Display Port	2 X HDMI 2.0 2 X Display Port	2 X HDMI 2.0 2 X Display Port
Others	Speakers included (2 x 3W) Compatible with vesa support	Speakers included (2 x 3W) Compatible with vesa support	Speakers included (2 x 5W) Compatible with vesa support
Power supply	DC12V, 40W max	DC12V, 40W max	DC12V, 40W max
Dimesions	615mm x 455mm x 41mm / 5,5Kg	615mm x 455mm x 41mm / 5,5Kg	663mm x 453mm x 42mm / 7,6Kg

CCTV Monitors			
Model			
	SF-MNT32	SF-MNT43-4K	SF-MNT50-4K
Diagonal	31,5" (16:9)	43" (16:9)	50" (16:9)
Resolution	1920x1080@60Hz	3840x2160@60Hz	3840x2160@60Hz
Viewing Angle	178° Horizontal / 178° Vertical	178° Horizontal / 178° Vertical	178° Horizontal / 178° Vertical
Input / Output	1 X VGA   1 X HDMI	3 X HDMI 1.4   1 X HDMI 2,0   1 X Display Port	1xVGA / 1x HDMI / 1x(CVBS IN, L Audio input, R Audio input) / 2xUSB
Others	Speakers included (2 x 5W) Compatible with vesa support	Speakers included (2 x 5W) Compatible with vesa support	Compatible with vesa support Speakers included
Power supply	DC12V, 40W max	AC 100 ~ 220V , 65 Max.	AC 100 ~ 240V , 105W Max.
Dimensions	725mm x 490mm x 110mm / 9Kg	663mm x 453mm x 170mm / 19Kg	1123mm x 77mm x 649mm / 22Kg







Professional & end user services



- Software for both the professional and the end user. The mobile app allows you to see live images and access recordings from anywhere
- Easy and intuitive interface designed to reduce the need for technical support
- Custom user interface can be tailored with your company logo
- The open system interface is compatible with the main CCTV suppliers



Professional software to manage your Safire CCTV, access control and video intercom systems  
Safire Control Center is designed for the professional sector.  
The software has advanced functions such as live view, configuration access, events, playback and PTZ control

- Safire EasyConnect 
  - 256 devices
  - 1024 channels
  - 256 groups
- Advanced settings:
  - Multi device
  - Push notifications in APP
  - Video analysis support
-  4 monitors  
64 live real time Watch channels
-  16 playback channels  
Including H.265+
-  256 E-maps  
50 users
-  Detailed event log
-  Unlimited installation on servers



Cloud Services

CMS Tools



- The only dynamic DNS service designed specifically for surveillance systems
- Domains for CCTV devices, managed securely from the cloud
- SafireDNS ensures reliable and uninterrupted operation



- Monitoring tool for professional CCTV installers
- Monitors device status and sends notifications of critical incidents such as hard drive failures, alarms, network connection failures, loss of video signal etc.
- Mobile app with push notifications available for monitoring and incident management from anywhere



- Advanced supervision and monitoring software for devices connected to Central Monitoring Stations
- Compatible with all popular CMS/ARC management, CCTV equipment and third party manufacturers
- Interface access to specialized video equipment, designed to enhance common CMS procedures



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