

# Surveillance cameras siquring your world



	Fixed dome					Compact dome	
Model	FD810V1IR	FD820M1IR	FD820M1IRMP5	IFD820V1IR	FD360IR	CD810F1	CD820F1
Image sensor	1/2.8" CMOS	1/2.7" CMOS	1/2.5" CMOS	1/2.7" CMOS	1/1.8" CMOS	1/2.7" CMOS	1/2.7" CMOS
Lens	Vari-focal 2x zoom 3.0 - 6.0 mm, F2.0	Motorised 3.5x zoom 3 - 10.5 mm, F1.4	Motorised 3.2x zoom 3.3 - 10.5 mm, F1.4	Vari-focal 3.5x zoom 3 - 10.5 mm, F1.4	Fisheye 1.05 mm, F2.8	3.6 mm, F1.8	3.6 mm, F1.8
Horizontal FOV	93.2° - 46.6°	103.0° - 29.4°	87.0° - 27.3°	103.0° - 29.4°	180°/360°	86.4°	86.4°
Day/night (ICR)	✓	✓	✓	✓	✓	-	-
Supported encoding type	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG
Multistreaming	✓	✓	✓	✓	✓	✓	✓
Max resolution	1920 x 1080 @30 fps	1920 x 1080 @30 fps	2592 x 1944 @12 fps	1920 x 1080 @30 fps	3072x2048 @30 fps	1920 x 1080 @30 fps	1920 x 1080 @30 fps
Light sensitivity (30 IRE)	0.2 lux colour 0.02 lux B/W	0.2 lux colour 0.02 lux B/W	0.2 lux colour 0.02 lux B/W	0.2 lux colour 0.02 lux B/W	0.04 lux colour 0.002 lux B/W	0.1 lux colour	0.1 lux colour
IR illuminator	850 nm, 25 m	850 nm, 25 m	850 nm, 25 m	850 nm, 25 m	850 nm, 5 m	-	-
Video enhancements	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR
Alarm inputs/outputs	-	1/1	1/1	1/1	1/1	-	-
Analog video output	-	PAL/NTSC	PAL/NTSC	PAL/NTSC	-	-	-
Audio	-	2-way	2-way	2-way	2-way	Audio in	Audio in
Integration protocols	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)
Embedded video analytics	VMD, Tamper detection	VMD, Tamper detection	VMD, Tamper detection	VMD, Tamper detection	VMD, Tamper detection; Edge dewarping	VMD, Tamper detection	VMD, Tamper detection
Privacy masks	5	5	5	5	5	5	5
Security	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering
Micro SD support	32 GB	64 GB	64 GB	64 GB	64 GB	32 GB	64 GB
SFP interface	-	✓	-	-	-	-	-
Ingress protection	IP66	IP66	IP66	-	-	-	IP66
Vandal proof	-	IK10	IK10	-	-	-	-
UL/UR Listed	-	-	-	-	-	-	-
Min. power consumption	4 W	5.5 W	5.5 W	5.0 W	5.5 W	3.5 W	3.1 W
Power	PoE	12 Vdc/24 Vdc/ 24 Vac/PoE **	12 Vdc/24 Vdc/ 24 Vac/PoE	12 Vdc/24 Vdc/ 24 Vac/PoE	12 Vdc/24 Vdc/ 24 Vac/PoE	12 Vdc/PoE	12 Vdc/PoE
Operating temperature	-10 °C to +50 °C (+14 °F to +122 °F)	-40 °C to +50 °C (-40 °F to +122 °F)*	-40 °C to +50 °C (-40 °F to +122 °F)*	-10 °C to +50 °C (+14 °F to +122 °F)	-10 °C to +50 °C (+14 °F to +122 °F)	-10 °C to +50 °C (+14 °F to +122 °F)	-10 °C to +50 °C (+14 °F to +122 °F)
Dimensions	Ø 117 x 84 mm (Ø 4.6 x 3.4")	Ø 151 x 130 mm (Ø 6.0 x 5.2")	Ø 151 x 130 mm (Ø 6.0 x 5.2")	Ø 149 x 131 mm (Ø 5.9 x 5.2")	Ø 149 x 46 mm (Ø 5.9 x 1.8")	Ø 117 x 50 mm (Ø 4.6 x 2.0")	Ø 117 x 50 mm (Ø 4.6 x 2.0")

\* Operating temperature: -10 °C to +50 °C (+14 °F to +122 °F) when using PoE \*\* FD820M1IR SFP model: 12 Vdc/24 Vac

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Siquira is part of TKH Security Solutions, a division of the TKH Group. TKH Security Solutions offers a wide range of systems for access control, surveillance, intrusion detection and video management.



# Surveillance cameras



Product line card

www.siquira.com



# Surveillance cameras securing your world



## Every second counts

Over a million cargo containers go through the Port of Bangkok each year. This harbour of Thailand's capital city has become a major centre of commerce in the political and economic organisation ASEAN. Every minute that goods spend at the port is of critical importance. Therefore, the Port Authority of Thailand decided to increase its productivity and efficiency by upgrading its video surveillance system with Siquira cameras including an automated content analysis program to identify and catalogue containers.

## Other product groups



Explosion-protected cameras



Video over fiber



Video encoders



Network equipment



Video management



	Box					Bullet			SD PTZ dome		HD PTZ dome			Pressurised dome	
Model	BC820	BC820MP5	BC820H1	BC620WDR	BC840-PID	BL810F1IR	BL820M1IR	BL820M1IRMP5	HSD622	HSD626	HSD820H2-I	HSD820H2-E	HSD820H3-E	HSD621PRH	HSD820H2PRH
Image sensor	1/2.7" CMOS	1/2.5" CMOS	1/2.7" CMOS	1/3" Pixim Seawolf	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS	1/2.5" CMOS	1/4" Exview CCD	1/4" Exview CCD	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/4" Exview CCD	1/2.8" CMOS
Lens	C/CS Mount	C/CS-mount	Motorised 18x zoom 4.7 - 84.6 mm, F1.6	C/CS Mount	C/CS-mount	3.6 mm, F1.8	Motorised 3.5x zoom 3.0 - 10.5 mm, F1.4	Motorised 3.2x zoom 3.3 - 10.5 mm, F1.4	Motorised 26x zoom 3.5 - 91 mm, F1.6	Motorised 35x zoom 3.4 - 119 mm, F1.4	Motorised 20x zoom 4.7 - 94 mm, F1.6	Motorised 20x zoom 4.7 - 94 mm, F1.6	Motorised 30x zoom 4.3 - 129 mm, F1.6	Motorised 35x zoom 3.4 - 119 mm, F1.4	Motorised 20x zoom 4.7 - 94 mm, F1.6
Horizontal FOV	-	-	61.5° - 3.3°	-	-	71.8°	103.0° - 29.4°	87.0° - 27.3°	54.2° - 2.2°	55.8° - 1.7°	63.7° - 3.5°	63.7° - 3.5°	65.5° - 3.2°	55.8° - 1.7°	63.7° - 3.5°
Day/night (ICR)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Supported encoding type	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MJPEG
Multistreaming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Max resolution	1920 x 1080 @30 fps	2592 x 1944 @12 fps	1920 x 1080 @30 fps	720 x 480 @30 fps	1920 x 1080 @30 fps	1920 x 1080 @30 fps	1920 x 1080 @30 fps	2592 x 1944 @12 fps	720 x 480 @30 fps	720 x 480 @30 fps	1920 x 1080 @30 fps	1920 x 1080 @30 fps	1920 x 1080 @30 fps	720 x 480 @30 fps	1920 x 1080 @30 fps
Light sensitivity (30 IRE)	0.2 lux colour 0.02 lux B/W	0.2 lux colour 0.02 lux B/W	0.2 lux colour 0.02 lux B/W	0.1 lux colour 0.05 lux B/W	0.1 lux colour 0.01 lux B/W	0.2 lux colour 0.02 lux B/W	0.2 lux colour 0.02 lux B/W	0.2 lux colour 0.02 lux B/W	0.09 lux colour, 0.01 lux B/W	0.1 lux colour, 0.01 lux B/W	0.3 lux colour, 0.04 lux B/W	0.3 lux colour, 0.04 lux B/W	0.5 lux colour, 0.1 lux B/W	0.1 lux colour, 0.01 lux B/W	0.3 lux colour, 0.04 lux B/W
IR illuminator	-	-	-	-	-	850 nm, 15 m	850 nm, 25 m	850 nm, 25 m	-	-	-	-	-	-	-
Video enhancements	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC	WDR, BLC	WDR, BLC, 2DNR	WDR, BLC, 2DNR	WDR, BLC, 2DNR	WDR, BLC	WDR, BLC, 2DNR
Alarm inputs/outputs	1/1	1/1	1/1	2/2	2/2	-	1/1	1/1	8/1	8/1	2/2	2/2	2/2	2/0	1/0
Analog video output	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	-	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC
Audio	2-way	2-way	2-way	2-way	2-way	-	2-way	2-way	2-way	2-way	2-way	2-way	2-way	-	-
Integration protocols	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API), NTCIP	ONVIF Profile S, OSA (HTTP API), NTCIP	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API)	ONVIF Profile S, OSA (HTTP API), NTCIP	ONVIF Profile S, OSA (HTTP API), NTCIP	ONVIF Profile S, OSA (HTTP API), NTCIP	ONVIF Profile S, OSA (HTTP API), NTCIP	ONVIF Profile S, OSA (HTTP API), NTCIP	ONVIF Profile S, OSA (HTTP API), NTCIP	ONVIF Profile S, OSA (HTTP API), NTCIP
Embedded video analytics	VMD, Tamper detection	VMD, Tamper detection	VMD, Tamper detection	VMD, Tamper detection; Image quality monitor; PID	VMD, Tamper detection; Image quality monitor; PID	VMD, Tamper detection	VMD, Tamper detection	VMD, Tamper detection	VMD, Tamper detection; Image quality monitor	VMD, Tamper detection; Image quality monitor	VMD, Image quality monitor	VMD, Image quality monitor	VMD, Image quality monitor	VMD, Tamper detection; Image quality monitor	VMD, Image quality monitor
Privacy masks	5	5	5	10	10	5	5	5	24	8	16	16	16	8	16
Security	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected	Password protected, HTTPS	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected	Password protected	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering	Password protected	Password protected, HTTPS, 802.1x, IP address filtering
Micro SD support	64 GB	64 GB	64 GB	64 GB	64 GB	32 GB	64 GB	64 GB	-	-	64 GB	64 GB	64 GB	-	64 GB
SFP interface	As free option	As free option	As free option	As free option	As free option	-	-	-	✓	✓	✓	✓	✓	-	-
Ingress protection	-	-	-	-	-	IP66	IP67	IP67	IP66	IP66	-	IP66	IP66	IP67	IP67
Vandal proof	-	-	-	-	-	-	-	-	IK10	IK10	-	IK10	IK10	-	-
UL/UR Listed	✓	✓	✓	-	-	-	-	-	✓	✓	✓	✓	✓	✓	✓
Min. power consumption	4 W	4 W	6 W	7 W	7 W	2.5 W	5 W	5 W	20 W/73 W	20 W/73 W	20 W	20 W/65 W	24 W/59 W	80 W	75 W
Power	12 Vdc/24 Vdc/ 24 Vac/PoE	12 Vdc/24 Vdc/ 24 Vac/PoE	12 Vdc/24 Vdc/ 24 Vac/PoE	12 Vdc/24 Vdc/ 24 Vac/PoE	12 Vdc/24 Vdc/ 24 Vac/PoE	12 Vdc/PoE	24 Vdc/24 Vac/PoE+	24 Vdc/24 Vac/PoE+	24 Vdc/24 Vac	24 Vdc/24 Vac	24 Vdc/24 Vac/ PoE++	24 Vdc/24 Vac/ PoE++	24 Vdc/24 Vac/ PoE++	24 Vac	24 Vac
Operating temperature	-10 °C to +50 °C (+14 °F to +122 °F)	-10 °C to +50 °C (+14 °F to +122 °F)	0 °C to +40 °C (+32 °F to +104 °F)	-30 °C to +50 °C (-22 °F to +122 °F)	-30 °C to +50 °C (-22 °F to +122 °F)	-10 °C to +50 °C (+14 °F to +122 °F)	-40 °C to +50 °C (-40 °F to +122 °F)	-40 °C to +60 °C (-40 °F to +122 °F)	-45 °C to +50 °C (-49 °F to +122 °F)	-45 °C to +75 °C (-49 °F to +167 °F)	0 °C to +40 °C (+32 °F to +104 °F)	-40 °C to +50 °C (-40 °F to +122 °F) **	40 °C to +50 °C (+40 °F to +122 °F) **	-45 °C to +74 °C (-49 °F to +140 °F)	-45 °C to +60 °C (-49 °F to +140 °F)
Dimensions	125 x 82 x 52 mm (4.9 x 3.3 x 2.1")	125 x 82 x 52 mm (4.9 x 3.3 x 2.1")	183 x 80 x 52 mm (7.2 x 3.2 x 2.1")	64 x 64 x 150 mm (2.5 x 2.5 x 5.9")	64 x 64 x 150 mm (2.5 x 2.5 x 5.9")	Ø 72 x 125 mm (Ø 2.8 x 4.9 in)	Ø 84 x 193 mm (Ø 3.3 x 7.6")	Ø 84 x 193 mm (Ø 3.3 x 7.6")	Ø 190 x 303 mm (Ø 7.5 x 11.9")	Ø 190 x 303 mm (Ø 7.5 x 11.9")	Ø 192 x 282 mm (Ø 7.6 x 11.1")	Ø 192 x 283 mm (Ø 7.6 x 11.1")	Ø 192 x 283 mm (Ø 7.6 x 11.1")	Ø 290 x 340 mm (Ø 11.4 x 13.4")	Ø 290 x 340 mm (Ø 11.4 x 13.4")

\*\* Operating temperature: 0 °C to +50 °C (+32 °F to +122 °F) when using PoE+