

Securing your world with specialised cameras



Surveillance cameras

Model	Pressurised domes				Explosion proof		
	IP		Analogue		IP	Analogue	
	HSD620PRH	HSD621PRH	HD10APRH	HD11APRH	BC820EXP	HSD628EXP	HD18EXP
Image sensor	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/2.7" CMOS	1/4" Exview CCD	1/4" Exview CCD
Lens	Motorised 26x zoom 3.5 - 91 mm, F1.6	Motorised 35x zoom 3.4 - 119 mm, F1.6	Motorised 26x zoom 3.5 - 91 mm, F1.6	Motorised 35x zoom 3.4 - 119 mm, F1.6	Motorised 18x zoom 4.7 - 84.6 mm, F1.6	Motorised 36x zoom 3.4 - 122.4 mm, F1.6	Motorised 36x zoom 3.4 - 122.4 mm, F1.6
Horizontal FOV	54.2° - 2.2°	55.8° - 1.7°	-	-	61.5° - 3.3°	60.8° - 1.8°	-
Day/night (ICR)	✓	✓	✓	✓	✓	✓	✓
Supported encoding type	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	-	-	H.264, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	-
Multistreaming	✓	✓	-	-	✓	✓	-
Max resolution	720 x 480 @30 fps	720 x 480 @30 fps	530 TVL	540 TVL	1920 x 1080 @30 fps	720 x 480 @30 fps	650 TVL
Light sensitivity (30 IRE)	0.09 lux colour, 0.01 lux B/W	0.1 lux colour, 0.01 lux B/W	0.09 lux colour, 0.01 lux B/W	0.1 lux colour, 0.01 lux B/W	0.2 lux colour, 0.02 lux B/W	0.1 lux colour, 0.01 lux B/W	0.1 lux colour, 0.01 lux B/W
Signal to noise ratio	-	-	>50 dB	>50 dB	-	-	>50 dB
Video enhancements	WDR, BLC	WDR, BLC	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC, 3DNR	WDR, BLC	WDR, BLC, 3DNR
Alarm inputs/outputs	-	-	2/0	2/0	1/1	8/1	8/1
Analogue video output	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC	PAL/NTSC
Audio	-	-	-	-	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)	-
Embedded video analytics	VMD; Tamper detection; Image quality monitor	VMD; Tamper detection; Image quality monitor	-	-	VMD; Tamper detection	VMD; Tamper detection; Image quality monitor	-
Privacy masks	24	8	24	8	5	16	16
Security	Password protected	Password protected	Password protected	Password protected	Password protected, HTTPS, 802.1x, IP address filtering	Password protected	Password protected
Micro SD support	-	-	-	-	✓	-	-
SFP Interface	-	-	-	-	-	✓	-
Ingress protection	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Explosion proof	-	-	-	-	ATEX 1/21, 2/22	ATEX 1/21, 2/22	ATEX 1/21, 2/22
UL/UR Listed	✓	✓	✓	✓	-	-	-
Max power consumption	80 W	80 W	80 W	80 W	26 W	45 W	45 W
Power	24 Vac	24 Vac	24 Vac	24 Vac	12 Vdc/24 Vac/PoE	24 Vac	24 Vac
Operating temperature	-45 °C to +50 °C (-49 °F to +122 °F)	-45 °C to +50 °C (-49 °F to +122 °F)	-45 °C to +50 °C (-49 °F to +122 °F)	-45 °C to +50 °C (-49 °F to +122 °F)	-45 °C to +50 °C (-49 °F to +122 °F)*	-45 °C to +50 °C (-49 °F to +122 °F)*	-45 °C to +50 °C (-49 °F to +122 °F)*

* Certified operating temperature: -20 °C to +40 °C (-4 °F to +104 °F)



version 2.0 - August 2013

Product line card

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SIQURA
SURVEILLANCE SOLUTIONS

Siquiring your world with surveillance cameras



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



Video over fiber



Video encoders



Network equipment



Software solutions



Model	Box			Bullet	Fixed domes				SD PTZ domes					HD PTZ domes	
	BC820	BC820H1	BC620WDR	BL820M1IR	IFD820V1IR	FD820M1	FD820M1IR	CD820F1 / CD820F2	MSD620	MSD622	HSD620	HSD622	HSD626	HSD820H2-I	HSD820H2-E
Image sensor	1/2.7" CMOS	1/2.7" CMOS	1/3" Pixim Seawolf	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/2.7" CMOS	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/4" Exview CCD	1/2.8" CMOS	1/2.8" CMOS
Lens	C/CS Mount	Motorised 18x zoom 4.7 - 84.6 mm, F1.6	C/CS Mount	Motorised 3x zoom 3.0 - 9.0 mm, F1.2	Varifocal 3x zoom 3.0 - 9.0 mm, F1.2	Motorised 3x zoom 3.0 - 9.0 mm, F1.2	Motorised 3x zoom 3.0 - 9.0 mm, F1.2	F1: 4.0 mm, F1.5 F2: 2.8 mm, F2.0	Motorised 12x zoom 3.8 - 45.6 mm, F1.6	Motorised 12x zoom 3.8 - 45.6 mm, F1.6	Motorised 26x zoom 3.5 - 91 mm, F1.6	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
Horizontal FOV	-	61.5° - 3.3°	-	103.5° - 34.3°	103.5° - 34.3°	103.5° - 34.3°	103.5° - 34.3°	F1: 78° / F2: 111°	53° - 4.5°	53° - 4.5°	54.2° - 2.2°	54.2° - 2.2°	55.8° - 1.7°	63.7° - 3.5°	63.7° - 3.5°
Day/night (ICR)	✓	✓	✓	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓
Supported encoding type	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, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MPEG-4, MPEG-2, MJPEG	H.264, MJPEG	H.264, MJPEG
Multistreaming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Max resolution	1920 x 1080 @30 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	1920 x 1080 @30 fps	1920 x 1080 @30 fps	720 x 480 @30 fps	720 x 480 @30 fps	720 x 480 @30 fps	720 x 480 @30 fps	720 x 480 @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	0.1 lux colour 0.05 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	0.2 lux colour 0.02 lux B/W	0.2 lux colour 0.02 lux B/W	0.1 lux colour, 0.01 lux B/W	0.1 lux colour, 0.01 lux B/W	0.09 lux colour, 0.01 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
IR Illuminator	-	-	-	850 nm, 25 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	WDR, BLC	WDR, BLC	WDR, BLC, 2DNR	WDR, BLC, 2DNR
Alarm inputs/outputs	1/1	1/1	2/2	1/1	1/1	1/1	1/1	-	8/1	8/1	8/1	8/1	8/1	2/2	2/2
Analogue 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	PAL/NTSC
Audio	2-way	2-way	2-way	2-way	2-way	2-way	2-way	Audio in	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)	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)	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; Image quality monitor; PID/AID/TDC (option)	VMD; Tamper detection	VMD; Tamper detection	VMD; Tamper detection	VMD; Tamper detection	VMD; Tamper detection	VMD; Tamper detection; Image quality monitor	VMD; Tamper detection; Image quality monitor	VMD; Tamper detection; Image quality monitor	VMD; Tamper detection; Image quality monitor	VMD; Tamper detection; Image quality monitor	VMD	VMD
Privacy masks	5	5	10	5	5	5	5	5	16	16	24	24	8	16	16
Security	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	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	Password protected	Password protected	Password protected	Password protected	Password protected, HTTPS, 802.1x, IP address filtering	Password protected, HTTPS, 802.1x, IP address filtering
Micro SD support	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	✓	✓
SFP Interface	✓	✓	As free option	-	✓	✓*	✓*	-	✓	✓	✓	✓	✓	✓	✓
Ingress protection	-	-	-	IP67	-	IP66	IP66	IP66	-	IP66	-	IP66	IP66	-	IP66
Vandal proof	-	-	-	-	-	IK10	IK10	IK10	-	IK10	-	IK10	IK10	-	IK10
UL/UR Listed	-	-	-	-	-	-	-	-	✓	✓	✓	✓	✓	-	-
Max power consumption	4 W	6 W	7 W	23.6 W	8 W	12 W	15.6 W	3.1 W	21 W	58 W	27 W	73 W	73 W	20 W	65 W
Power	12 Vdc/24 Vac/PoE	12 Vdc/24 Vac/PoE	12 Vdc/24 Vac/PoE	24 Vdc/24 Vac/PoE+	12 Vdc/24 Vac/PoE	12 Vdc/24 Vac/PoE	12 Vdc/24 Vac/PoE	12 Vdc/PoE	24 Vdc/24 Vac	24 Vdc/24 Vac	24 Vdc/24 Vac	24 Vdc/24 Vac	24 Vdc/24 Vac	24 Vac, PoE+	24 Vac, PoE+
Operating temperature	-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)	-40 °C to +50 °C (-40 °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 +50 °C (-40 °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 +45 °C (-22 °F to +113 °F)	0 °C to +40 °C (+32 °F to +104 °F)	-45 °C to +50 °C (-49 °F to +122 °F)	-45 °C to +50 °C (-49 °F to +122 °F)	0 °C to +40 °C (+32 °F to +104 °F)	-40 °C to +50 °C (-40 °F to +122 °F)**

* Available as a future version

** Operating temperature FD820M1: -30 °C to +50 °C (-22 °F to +122 °F) when using PoE

** Operating temperature FD820M1IR: -10 °C to +50 °C (+14 °F to +122 °F) when using PoE

** Operating temperature HSD820H2-E: 0 °C to +40 °C (+32 °F to +104 °F) when using PoE+

For more information go to: www.siquira.com