IC REALTIME®

V17 CATALOGUE

WELCOME

Welcome to our latest product catalogue v17. We are very excited about this catalogue due to the exciting upgrades to our complete range of recorders and cameras.

Compression and smart codecs continue to be the buzz words in the video surveillance industry. Many of our IP recorders and cameras now support H.265 and H.265E (enhanced) smart codec, which reduces bandwidth and HDD consumption by up to 90%. These compression standards have become very important due to the ever increasing resolution in IP cameras. H.264E smart codec is now standard across all our recorders and IP cameras with the exception of the Wave range.

We are particularly excited about our ULTRA-2s range of 8MP (4K) cameras due to their exceptional performance and affordability. Combine these with our latest H265E recorders, makes bandwidth and hard drive consumption no longer an issue.

Our BNC (coax) technology continues to improve at pace with WAVE-5x and FUSION-5x now supporting HDCVI, HDTVI, AHD and analogue CVBS on the BNC channels, making these recorders extremely versatile for current and future applications. All our BNC Recorders have improved IP handling capacity, with most models supporting cameras up to 5MP. We have also increased the IP recording bandwidth as well as the amount of IP channel capacity.

We have introduced Smart Functionality into selected "FUSION" BNC recorders, such as tripwire, intrusion detection and facial detection. We have also increased the resolution on the "FUSION-6s" and "GENESIS-4s" to 4MP.

Low Light Colour Surveillance continues to be in high demand and we are delighted to introduce our "SIRIUS" low light technology in selected cameras. All cameras with SIRIUS built in are easily identified by our new "SIRIUS" icon, as documented on page 21. Our camera line up has also been extensively upgraded with many new features and to help you navigate these improvement, we have key feature icons highlighting important key features.

On behalf of everyone at IC Realtime, I thank you for your continued support.

Paul McKenny
CEO IC Realtime EMEA

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PROJECT PACKAGE

We at IC Realtime are proud to announce the Project Package programme. This programme will ensure that we continue to be the professional integrators choice when it comes to large video surveillance projects.

SYSTEM BUILD

We build every recorder to exacting standards to meet the demanding environments in which they operate. We can pre-configure every camera if required thus saving valuable deployment time. We stringently test every camera before dispatch to ensure that you receive the highest quality product every time.

TRAINING

We can train all of your installers to ensure a smooth and cost effective installation.

ON-SITE COMMISSIONING

We offer on-site commissioning assistance to ensure that the system is configured for optimum storage and quality performance.

SALES

Our experienced staff are on hand to assist you with system design to satisfy your clients' technical and financial needs. We are ready to demonstrate our product and feature set either in-house or at any location you wish. Our new state of the art showrooms will persuade any client of our professional capabilities. We also have excellent mobile demonstration facilities available for off-site demonstrations that will help you seal the deal.

AFTER SALES

Our experienced technical support staff are on hand to assist with any issues that may arise. We pride ourselves on the quality of this support, that is why our average waiting call time is a staggering five seconds. We offer one year advanced replacement on all project packages and of course you are covered by our industry leading five year warranty.

FINANCIAL SUPPORT

We have an attractive finance package in place to assist you with the financial management of a large product which includes attractive discounts and extended credit terms.

5 YEAR WARRANTY, 5 REASONS

TECH SUPPORT • R&D • FACTORY INSPECTIONS • QUALITY CONTROL • IN-HOUSE PRODUCTION •

5 YEAR WARRANTY

5&5

5 REASONS

1. RESEARCH & DESIGN

Our Research and Design department work tirelessly to ensure that IC Realtime supply the highest quality product with the latest innovative technology

2. FACTORY INSPECTIONS

Our inspectors oversee every part of the manufacturing process to ensure the highest possible standards are maintained

3. IN-HOUSE PRODUCTION

Every IC Realtime recorder is carefully built in-house to exacting standards

4. QUALITY CONTROL

We independently test and quality check our products to ensure you receive a quality product every time

5. FREE TECH SUPPORT

Our tech support team are always on hand to assist you with any technical related issue

RECORDER OVERVIEW

1U (260mm) DESKTOP

1U (325mm) DESKTOP

1U (375mm) DESKTOP

1.5U (440m) RACK MOUNTABLE

2U (440mm) RACK MOUNTABLE

2U (444m) RACK MOUNTABLE

WAVE

WAVE is our range of entry level 5 x technology recorders. Available in 4/8/16 channel variations all recorders support all of today's common BNC HD formats such as HDCVI, HDTVI & AHD as well as being backwards compatible with analogue CVBS cameras. Resolution support on BNC cameras is up to 1080N and IP resolution support is up to 5MP.

Fusion

FUSION is our range of commercial specification 4-32 channel BNC recorders. FUSION-5x series supports all of today's common BNC HD formats such as HDCVI, HDTVI and AHD as well as being backwards compatible with Analogue CVBS cameras. Resolution support on BNC cameras is up to 1080P and IP resolution support is 5MP as standard. FUSION-6s is the choice for 4MP HD over coax applications. Select any of of our 4MP GENESIS-4s cameras to see the next step in HD over coax solutions.

BREEZE

BREEZE is our range of Plug and Play IP NVRs which incorporate internal PoE switches to make IP camera integration quick and easy. BREEZE technology removes IP address setup by automatically configuring IP cameras with unique IP addresses in less than two minutes from boot up.

SIROCCO

SIROCCO is our commercial range of IP NVR. SIROCCO-5s-464 is a powerful 64 channel NVR with support for up to 12MP resolution and 320Mbps of recording bandwidth. Housed in a 1.5U rack mountable case it has internal capacity for up to four HDDs, two 1GB LAN Ports and 2 x HDMI Video Outputs.

STORM

STORM is our enterprise class range of NVR's. RAID HDD Management, 12MP Resolution, H.265 Compression and 384Mbps Recording bandwidth is now as standard.

BNC RECORDERS		WAVE-5X-104	WAVE-5X-108	WAVE-5X-116	FUSION-5X-104	FUSION-6S-104	FUSION-5X-108	FUSION-6S-108
CHANNELS	TOTAL	5	10	18	6	4	12	12
	IP (TOTAL/EXTENSION)	5/1	10/2	18/2	6/2	6/2	12/4	12/4
	BNC'S	4	8	16	4	4	8	8
PERFORMANCE	IP RESOLUTION	1080P	5MP	5MP	5MP	5MP	5MP	5MP
	IP RECORDING	20 MBPS	40 MBPS	72 MBPS	24 MBPS	24 MBPS	48 MBPS	48 MBPS
	BNC RESOLUTION (MAX)	1080N/ 720P (1-25FPS)	1080N/ 720P (1-15FPS)	1080N/ 720P (1-15FPS)	1080P (1-15FPS)	4MP (1-15FPS)	1080P (1-15FPS)	4MP (1-15FPS)
	SUPPORTED BNC TECHNOLOGY	CVBS/ CVI/ TVI/ AHD	CVBS/ CVI/ TVI/ AHD	CVBS/ CVI/ TVI/ AHD	CVBS/ CVI/ TVI/ AHD	CVBS/ CVI	CVBS/ CVI/ TVI/ AHD	CVBS/ CVI
	VIDEO COMPRESSION	H.264	H.264	H.264	H.264E, H.264	H.264E, H.264	H.264E, H.264	H.264E, H.264
	SIMULTANEOUS PLAYBACK	4 CHANNEL	9 CHANNEL	16 CHANNEL	4 CHANNEL	4 CHANNEL	9 CHANNEL	9 CHANNEL
CONNECTIVITY	ETHERNET PORT (1GB)	–	–	–	–	1	–	1
	ETHERNET PORT (100m)	1	1	1	1	–	1	–
	HDMI	1	1	1	1	1 (4K)	1	1 (4K)
	VGA	1	1	1	1	1	1	1
	BNC OUTPUT	–	–	–	–	–	–	–
	ALARM IN/OUT	–	–	–	8/3	–	8/3	–
	AUDIO IN/OUT	1/1	1/1	1/1	4/1	1/1	8/1	1/1
GENERAL	SATA	1	1	1	1	1	1	1
	ESATA	–	–	–	–	–	–	–
	INTERNAL DVD	–	–	–	–	–	–	–
	CASE	1U (260mm) DESKTOP	1U (260mm) DESKTOP	1U (260mm) DESKTOP	1U (325mm) DESKTOP	1U (325mm) DESKTOP	1U (325mm) DESKTOP	1U (325mm) DESKTOP
	DIMENSIONS (WxDxH)	260 x 220 x 40mm	260 x 220 x 40mm	260 x 220 x 40mm	325 x 255 x 55mm	325 x 255 x 55mm	325 x 255 x 55mm	325 x 255 x 55mm
SPECIAL FEATURES	POE PORTS	–	–	–	–	–	–	–
	FISHEYE DEWARP SUPPORT	–	–	–	–	–	–	–
	SMART IVS/FACE DETECT	–	–	–	1 CH (BNC)	1 CH (BNC)	1 CH (BNC)	1 CH (BNC)
	RAID	–	–	–	–	–	–	–
	HOT SWAP HDD	–	–	–	–	–	–	–
	REDUNDANT PSU	–	–	–	–	–	–	–
	HOT SWAP PSU	–	–	–	–	–	–	–

BNC RECORDERS	FUSION-5X-408	FUSION-5X-216	FUSION-6S-216	FUSION-5X-416	FUSION-5X-432	FUSION-5X-832
CHANNELS						
TOTAL	12	24	24	24	32	32
IP (TOTAL/EXTENSION)	12/4	24/8	24/8	24/8	16/0	16/0
BNC'S	8	16	16	16	32	32
PERFORMANCE						
IP RESOLUTION	5MP	5MP	5MP	5MP	5MP	5MP
IP RECORDING	48 MBPS	96 MBPS	96 MBPS	96 MBPS	64 MBPS	64 MBPS
BNC RESOLUTION (MAX)	1080P (1-15FPS)	1080P (1-15FPS)	1080P (1-15FPS)	1080P (1-15FPS)	1080P (1-15FPS)	1080P (1-15FPS)
SUPPORTED BNC TECHNOLOGY	CVBS/ CVI/ TVI/ AHD	CVBS/ CVI/ TVI/ AHD	CVBS/ CVI	CVBS/ CVI/ TVI/ AHD	CVBS/ CVI/ TVI/ AHD	CVBS/ CVI/ TVI/ AHD
VIDEO COMPRESSION	H.264E, H.264	H.264E, H.264	H.264E, H.264	H.264E, H.264	H.264E, H.264	H.264E, H.264
SIMULTANEOUS PLAYBACK	9 CHANNEL	16 CHANNEL	16 CHANNEL	16 CHANNEL	16 CHANNEL	16 CHANNEL
CONNECTIVITY						
ETHERNET PORT (1GB)	1	1	1	1	1	2
ETHERNET PORT (100m)	–	–	–	–	–	–
HDMI	1	1	1 (4K)	2 (1 x SPOT)	2 (1 x SPOT)	2 (1 x SPOT)
VGA	1	1	1	1	1	1
BNC OUTPUT	1	–	–	1	–	–
ALARM IN/OUT	8/6	16/3	–	16/6	16/6	16/6
AUDIO IN/OUT	4/1	4/1	1/1	4/1	4/1	16/1
GENERAL						
SATA	4	2	2	4	4	4
ESATA	1	–	–	1	1	1
INTERNAL DVD	Yes	–	–	Yes	Yes	Yes
CASE	1.5U (440mm) RACK MOUNTABLE	1U (260mm) DESKTOP	1U (260mm) DESKTOP	1.5U (440mm) RACK MOUNTABLE	1.5U (440mm) RACK MOUNTABLE	2U (440mm) RACK MOUNTABLE
DIMENSIONS (WxDxH)	440 x 416 x 68mm	375 x 285 x 55mm	375 x 285 x 55mm	440 x 416 x 68mm	440 x 416 x 68mm	440 x 416 x 68mm
SPECIAL FEATURES						
POE PORTS	–	–	–	–	–	–
FISHEYE DEWARP SUPPORT	–	–	–	–	–	–
SMART IVS/FACE DETECT	1 CH (BNC)	1 CH (BNC)	1 CH (BNC)	1 CH (BNC)	1 CH (BNC)	1 CH (BNC)
RAID	–	–	–	–	–	–
HOT SWAP HDD	–	–	–	–	–	–
REDUNDANT PSU	–	–	–	–	–	–
HOT SWAP PSU	–	–	–	–	–	–

IP RECORDERS		BREEZE-5S-104	BREEZE-5S-108	BREEZE-6S-216	BREEZE-6S-432-16P
CHANNELS	TOTAL	4	8	16	32
	IP (TOTAL/EXTENSION)	4	8	16	32
	BNC'S	–	–	–	–
PERFORMANCE	IP RESOLUTION	6MP	6MP	8MP/ 4K	8MP/ 4K
	IP RECORDING	80 MBPS	80 MBPS	200 MBPS	200 MBPS
	BNC RESOLUTION (MAX)	–	–	–	–
	SUPPORTED BNC TECHNOLOGY	–	–	–	–
	VIDEO COMPRESSION	H.264E, H.264	H.264E, H.264	H.264E, H.264	H.264E, H.264
	SIMULTANEOUS PLAYBACK	4	8	16	16
CONNECTIVITY	ETHERNET PORT (1GB)	–	–	1	1
	ETHERNET PORT (100m)	1	1	–	–
	HDMI	1	1	1	1
	VGA	1	1	1	1
	BNC OUTPUT	–	–	–	–
	ALARM IN/OUT	–	–	–	8/3
	AUDIO IN/OUT	4(IP)/ 1	1/1	16(IP)/ 1	32(IP)/ 1
GENERAL	SATA	1	1	2	4
	ESATA	–	–	–	–
	INTERNAL DVD	–	–	–	Yes
	CASE	1U (260mm) DESKTOP	1U (260mm) DESKTOP	1U (375mm) DESKTOP	1.5U (440mm) RACK MOUNTABLE
	DIMENSIONS (WxDxH)	260 x 220 x 40mm	260 x 220 x 40mm	325 x 275 x 56mm	325 x 255 x 55mm
SPECIAL FEATURES	POE PORTS	4	8	16	16
	FISHEYE DEWARP SUPPORT	–	–	–	–
	SMART IVS/FACE DETECT	Yes from IPC	Yes from IPC	Yes from IPC	Yes from IPC
	RAID	–	–	–	–
	HOT SWAP HDD	–	–	–	–
	REDUNDANT PSU	–	–	–	–
	HOT SWAP PSU	–	–	–	–

IP RECORDERS		SIROCCO-5S-464	STORM-3S-832	STORM-3S-864	STORM-3S-864-R
CHANNELS	TOTAL	64	32	64	64
	IP (TOTAL/EXTENSION)	64	32	64	64
	BNC'S	–	–	–	–
PERFORMANCE	IP RESOLUTION	12MP	12MP	12MP	12MP
	IP RECORDING	320 MBPS	384 MBPS	384 MBPS	384 MBPS
	BNC RESOLUTION (MAX)	–	–	–	–
	SUPPORTED BNC TECHNOLOGY	–	–	–	–
	VIDEO COMPRESSION	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG	H.265, H.264, MJPEG
	SIMULTANEOUS PLAYBACK	16	16	16	16
CONNECTIVITY	ETHERNET PORT (1GB)	2	2	2	2
	ETHERNET PORT (100m)	–	–	–	–
	HDMI	2 (1 x 4K)	2 (1 x 4K)	2 (1 x 4K)	2 (1 x 4K)
	VGA	1	1	1	1
	BNC OUTPUT	–	–	–	–
	ALARM IN/OUT	16/6	16/8	16/8	16/8
	AUDIO IN/OUT	64(IP)/ 1	32(IP)/ 1	64(IP)/ 1	64(IP)/ 1
GENERAL	SATA	4	8	8	8
	ESATA	1	1	1	1
	INTERNAL DVD	Yes	Yes	–	–
	CASE	1.5U (440mm) RACK MOUNTABLE	2U (440mm) RACK MOUNTABLE	2U (444mm) RACK MOUNTABLE	2U (444mm) RACK MOUNTABLE
	DIMENSIONS (WxDxH)	440 x 410 x 70mm	440 x 451 x 95mm	444 x 457 x 95mm	440 x 410 x 70mm
SPECIAL FEATURES	POE PORTS	–	–	–	–
	FISHEYE DEWARP SUPPORT	Live & Playback	Live & Playback	Live & Playback	Live & Playback
	SMART IVS/FACE DETECT	Yes from IPC	4 License's and from IPC	4 License's and from IPC	4 License's and from IPC
	RAID	–	Yes	Yes	Yes
	HOT SWAP HDD	–	–	Yes	Yes
	REDUNDANT PSU	–	–	–	Yes
	HOT SWAP PSU	–	–	–	Yes

CAMERA OVERVIEW

GENESIS
Our commercial and cost effective HD over coax camera range.

NEXGEN
Our professional HD over coax camera range with premium feature sets.

OPTIC
Our cost effective, yet powerful IP camera range.

Zenon
Our professional range of IP cameras

QUANTUM
Our premium rated analytical/ANPR/low light IP camera range.

ULTRA
Our High resolution 8MP - 12MP IP camera range.

KEY FEATURES

4 IN 1 TECHNOLOGY CAMERA
Check out our "GENESIS-3s" BNC camera range, the 1 x BNC Output can change the output video signal to HDCVI (Default), HD-TVI, AHD or CVBS (Analogue).

4MP
Check out our "GENESIS-4s" range of 4MP resolution HDCVI cameras, 4MP is now possible and available today for BNC / coax solutions.

8MP (4K) RESOLUTION
We are pleased to introduce our new highly competitive "ULTRA-2s" range of IP cameras which have 8MP (4K) resolution and support H.265 video compression.

12MP RESOLUTION
12MP is our highest available resolution available today on selected cameras and offers stunning quality for the most demanding of applications.

SIRIUS LOW LIGHT
Typically using a much larger sensor than standard HD cameras, SIRIUS cameras are designed for maximum light gathering capabilities. Check out page 21 for more information.

AUTO TRACKING
On selected IP PTZs we offer auto tracking technology which tracks objects in the image. Ideal for PTZs in large areas or where the PTZ is working independently and without a security guard.

LASER NIGHT VISION
Laser IR is a new form of viewing in zero light situations, where normal 850mm IR can achieve up to 150m in 0 Lux, Laser IR can see up to 500m in 0 Lux making them ideal for large areas where night time monitoring is important.

BUILT IN MICROPHONE
We now have a selection of HDCVI and IP cameras that incorporate discreet microphones.

FISHEYE
Our one lens Fisheye panoramic cameras offer 180 degree viewing via a super wide angle fixed lens. De-warp of the fisheye image can be done via web interface, SIROCCO-5s, STORM-3s, Smart ICRSS and ICRSS player.

BNC

Fixed Bullet & Dome

		GENESIS-3s-BF2-10	GENESIS-3s-DF2-IXO-W	GENESIS-4s-DF4-IXO-W GENESIS-4s-DF4-IXO-B	GENESIS-4s-BF4-IXO-3.6 GENESIS-4s-BF4-IXO-6	GENESIS-2s-DF2-IV-2.8 GENESIS-2s-DF2-IV-3.6
IMAGE SENSOR	RESOLUTION (MP)	2MP	2MP	4MP	4MP	2.1MP
	SIZE (INCH)	1/2.7"	1/2.7"	1/3"	1/3"	1/2.7"
	MANUFACTURER	OmniVision	OmniVision	OmniVision	OmniVision	Aptina
CHIPSET	MANUFACTURER	IC-3s	IC-3s	Ambarella	Ambarella	Eyenix
	COMPRESSION	–	–	–	–	–
	WDR TYPE	Digital	Digital	True	True	True
	WDR RATING (dB)	80dB	80dB	120dB	120dB	120dB
LENS	FOCAL RANGE (mm)	3.6mm	3.6mm	3.6mm	3.6mm or 6mm	2.8 or 3.6mm
	MECHANISM	Fixed	Fixed	Fixed	Fixed	Fixed
IR	DISTANCE (m)	30m	50m	50m	80m	20m
CONNECTIVITY	TYPE	1 x BNC	1 x BNC	2 x BNC (HDCVI & CVBS)	2 x BNC (HDCVI & CVBS)	2 x BNC (HDCVI & CVBS)
	SUPPORTED BNC TECHNOLOGY	HDCVI, AHD, HDTVI, CVBS	HDCVI, AHD, HDTVI, CVBS	HDCVI, CVBS	HDCVI, CVBS	HDCVI, CVBS
	ALARM IN/OUT	–	–	–	–	–
	AUDIO IN/OUT	–	–	–	–	1/0 (Built in Mic)
	MICRO SD SLOT	–	–	–	–	–
ENVIRONMENT	IP RATING	67	67	67	67	67
	VANDAL RATING (IK)	–	–	–	–	10
	POWER	12v DC	12v DC	12v DC	12v DC	12v DC
	DIMENSIONS (mm)	164.7 x 70 x 71.16mm	106 x 93.7mm	106 x 93.7mm	241.8 x 90.4 x 90.4mm	106.3 x 50.3mm
SPECIAL FEATURES	INTELLIGENT DETECTION	–	–	–	–	–
	HEAT MAP	–	–	–	–	–
	PEOPLE COUNTING	–	–	–	–	–
	PTZ PAN RANGE	–	–	–	–	–
	PTZ TILT RANGE	–	–	–	–	–
	PTZ AUTO TRACKING	–	–	–	–	–
	PTZ WIPER	–	–	–	–	–
		BRACKET A	**BRACKET D**	**BRACKET D**	**BRACKET B**	**BRACKET D**

BNC

Vari-Focal/Motorised Bullet

		GENESIS-3s-BV2-IXO	GENESIS-4s-BM4-IXO-B GENESIS-4s-BM4-IXO-W	NEXGEN-2s-BM2-IXO
IMAGE SENSOR	RESOLUTION (MP)	2MP	4MP	2.1MP
	SIZE (INCH)	1/2.7"	1/3"	1/2.8"
	MANUFACTURER	OmniVision	OmniVision	Sony Starvis
CHIPSET	MANUFACTURER	IC-3s	Ambarella	Eyenix
	COMPRESSION	–	–	–
	WDR TYPE	Digital	True	True
	WDR RATING (dB)	80dB	120dB	120dB
LENS	FOCAL RANGE (mm)	2.7 - 12mm	2.7 - 12mm	2.7 - 12mm
	MECHANISM	Vari-Focal	Motorised	Auto-Iris Motorised
IR	DISTANCE (m)	60m	60m	50m (Sirius, Low Light)
CONNECTIVITY	TYPE	1 x BNC	2 x BNC (HDCVI & CVBS)	2 x BNC (HDCVI & CVBS)
	SUPPORTED BNC TECHNOLOGY	HDCVI, AHD, HDTVI, CVBS	HDCVI, CVBS	HDCVI, CVBS
	ALARM IN/OUT	–	–	1/1
	AUDIO IN/OUT	–	–	1/0
	MICRO SD SLOT	–	–	–
ENVIRONMENT	IP RATING	67	67	67 (Built in Heater)
	VANDAL RATING (IK)	–	–	–
	POWER	12v DC	12v DC	12v DC / 24vAC
	DIMENSIONS (mm)	213 x 90.4 x 90.4mm	213 x 90.4 x 90.4mm	273 x 95 x 95mm
SPECIAL FEATURES	INTELLIGENT DETECTION	–	–	–
	HEAT MAP	–	–	–
	PEOPLE COUNTING	–	–	–
	PTZ PAN RANGE	–	–	–
	PTZ TILT RANGE	–	–	–
	PTZ AUTO TRACKING	–	–	–
	PTZ WIPER	–	–	–

BRACKET	BRACKET	BRACKET
B	**B**	**C**

BNC

Vari-Focal/Motorised Dome

		GENESIS-3s-DV2-IV	GENESIS-4s-DM4-IXO-B GENESIS-4s-DM4-IXO-W	GENESIS-4s-DM4-IV-B GENESIS-4s-DM4-IV-W	NEXGEN-2s-DM2-IXV
IMAGE SENSOR	RESOLUTION (MP)	2MP	4MP	4MP	2.1MP
	SIZE (INCH)	1/2.7"	1/3"	1/3"	1/2.8"
	MANUFACTURER	OmniVision	OmniVision	OmniVision	Sony Stavis
CHIPSET	MANUFACTURER	IC-3s	Ambarella	Ambarella	Eyenix
	COMPRESSION	–	–	–	–
	WDR TYPE	Digital	True	True	True
	WDR RATING (dB)	80dB	120dB	120dB	120dB
LENS	FOCAL RANGE (mm)	2.7 - 12mm	2.7 - 12mm	2.7 - 12mm	2.7 - 12mm
	MECHANISM	Fixed	Motorised	Motorised	Auto-Iris Motorised
IR	DISTANCE (m)	30m	60m	30m	50m (Sirus, Low Light)
CONNECTIVITY	TYPE	1 x BNC	2 x BNC (HDCVI & CVBS)	2 x BNC (HDCVI & CVBS)	2 x BNC (HDCVI & CVBS)
	SUPPORTED BNC TECHNOLOGY	HDCVI, AHD, HDTVI, CVBS	HDCVI, CVBS	HDCVI, CVBS	HDCVI, CVBS
	ALARM IN/OUT	–	–	–	1/1
	AUDIO IN/OUT	–	–	–	1/0
	MICRO SD SLOT	–	–	–	–
ENVIRONMENT	IP RATING	67	67	67	67 (Built in heater)
	VANDAL RATING (IK)	–	–	10	10
	POWER	12v DC	12v DC	12v DC	12v DC / 24vAC
	DIMENSIONS (mm)	ø122 x 88.9mm	ø122 x 104.9mm	ø122 x 88.9mm	ø159.1 x 117.9mm
SPECIAL FEATURES	INTELLIGENT DETECTION	–	–	–	–
	HEAT MAP	–	–	–	–
	PEOPLE COUNTING	–	–	–	–
	PTZ PAN RANGE	–	–	–	–
	PTZ TILT RANGE	–	–	–	–
	PTZ AUTO TRACKING	–	–	–	–
	PTZ WIPER	–	–	–	–
	BRACKET	G	G	G	H

BNC

Speciality

		GENESIS-2s-CF2	NEXGEN-1s-CF1	NEXGEN-2s-XC2
IMAGE SENSOR	RESOLUTION (MP)	2MP	1.3MP	2.1MP
	SIZE (INCH)	1/2.9"	1/3"	1/2.8"
	MANUFACTURER	CMOS	CMOS	Sony Starvis
CHIPSET	MANUFACTURER	IC-3s	CV15000	Eyenix
	COMPRESSION	–	–	–
	WDR TYPE	Digital	True	True
	WDR RATING (dB)	80dB	120dB	120dB
LENS	FOCAL RANGE (mm)	2.8mm	3.6mm	–
	MECHANISM	Fixed Pinhole	Fixed Pinhole	C/CS Mount
IR	DISTANCE (m)	–	–	0m (Sirius, Low Light)
CONNECTIVITY	TYPE	1 x BNC	1 x BNC	2 x BNC (HDCVI & CVBS)
	SUPPORTED BNC TECHNOLOGY	HDCVI, AHD, HDTVI, CVBS	HDCVI, CVBS	HDCVI, CVBS
	ALARM IN/OUT	–	–	2/1
	AUDIO IN/OUT	–	–	1/0
	MICRO SD SLOT	–	–	–
ENVIRONMENT	IP RATING	–	–	–
	VANDAL RATING (IK)	–	–	–
	POWER	12v DC	12v DC	12v DC / 24vAC
	DIMENSIONS (mm)	120 x 62 x 58mm	30 x 30 x 21.7mm	135.4 x 74.4 x 65.5mm
SPECIAL FEATURES	INTELLIGENT DETECTION	–	–	–
	HEAT MAP	–	–	–
	PEOPLE COUNTING	–	–	–
	PTZ PAN RANGE	–	–	–
	PTZ TILT RANGE	–	–	–
	PTZ AUTO TRACKING	–	–	–
	PTZ WIPER	–	–	–

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BNC

Fully Functional

		GENESIS-1s-PO2-V-x4	GENESIS-1s-PO2-O-x12	GENESIS-2s-PO2-IXO-x25	GENESIS-2s-PO2-V-x25
IMAGE SENSOR	RESOLUTION (MP)	2MP	2MP	2MP	2MP
	SIZE (INCH)	1/2.8"	1/2.8"	1/2.8"	1/2.8"
	MANUFACTURER	Sony Exmor	Sony Exmor	Sony Exmor	Sony Starvis
CHIPSET	MANUFACTURER	CVI5000	CVI5000	Ambarella	Ambarella
	COMPRESSION	–	–	–	–
	WDR TYPE	Digital	Digital	True	True
	WDR RATING (dB)	80dB	80dB	120dB	120dB
LENS	FOCAL RANGE (mm)	2.7 - 11mm (4x)	5.1 - 61.2mm (12x)	4.8 - 120mm (25x)	4.8 - 120mm (25x)
	MECHANISM	Optical	Optical	Optical	Optical
IR	DISTANCE (m)	–	–	150m (Sirius, Low Light)	0m (Sirius, Low Light)
CONNECTIVITY	TYPE	BNC	BNC	BNC	BNC
	ANALOGUE OUTPUT	Yes (OSD Switch)	Yes (OSD Switch)	Yes (OSD Switch)	Yes (OSD Switch)
	ALARM IN/OUT	–	2/1	2/1	2/1
	AUDIO IN/OUT	–	1/0	1/0	1/0
	MICRO SD SLOT	–	–	–	–
ENVIRONMENT	IP RATING	66	66	66	67
	VANDAL RATING (IK)	10	–	–	10
	POWER	12v DC	24v AC/ 1.5A	24v AC/ 3A	24v AC/ 3A
	DIMENSIONS (mm)	ø122 x 89mm	ø170 x 155mm	ø186 x 309mm	ø186 x 253mm
SPECIAL FEATURES	INTELLIGENT DETECTION	–	–	–	–
	HEAT MAP	–	–	–	–
	PEOPLE COUNTING	–	–	–	–
	PTZ PAN RANGE	0˚~355˚ Limited	360˚ Endless	360˚ Endless	360˚ Endless
	PTZ TILT RANGE	-0˚ - 90˚ Autoflip 180˚	-2˚ - 90˚ Autoflip 180˚	-15˚ - 90˚ Autoflip 180˚	-15˚ - 90˚ Autoflip 180˚
	PTZ AUTO TRACKING	–	–	–	–
	PTZ WIPER	–	–	–	–
	BRACKET	G	L	M	M

"...a whole new level of performance for night vision surveillance technology".

Look out for the SIRIUS icon on selected cameras. SIRIUS cameras represent a whole new level of performance for night vision surveillance technology. Typically using a much larger sensor than standard IP cameras, SIRIUS cameras are designed for maximum light gathering capability. These cameras will remain in colour mode much longer than standard low light and IR cameras and can produce a usable colour image in the darkest of conditions. These cameras use infrared illumination more efficiently to deliver a brighter and clearer image without night-time flickering and noise. All SIRIUS cameras also feature 120dB WDR functions for demanding lighting conditions during the day.

IP based cameras which feature SIRIUS can deliver 50fps video and include our Intelligent Video Analytics (IVS) system, which incorporates functions such as tripwire, intrusion, and scene change detection. They are the ideal cameras for 24/7 remote monitoring purposes. When your application requires you to battle against the darkness, the new IC Realtime SIRIUS cameras are the best choice.

IP
Fixed Bullet

		OPTIC-1s-BF3-IO	ZENON-2s-BF4-IO-B ZENON-2s-BF4-IO-W	ZENON-2s-BF4-IXO-3.6 ZENON-2s-BF4-IXO-6
IMAGE SENSOR	RESOLUTION (MP)	3MP	4MP	4MP
	SIZE (INCH)	1/3"	1/3"	1/3"
	MANUFACTURER	Aptina	OmniVision	OmniVision
CHIPSET	MANUFACTURER	Ambarella	Ambarella	Ambarella
	COMPRESSION	H.264. H.264E	H.265, H265E, H.264, H.264E	H.265, H265E, H.264, H.264E
	WDR TYPE	Digital	True	True
	WDR RATING (dB)	80dB	120dB	120dB
LENS	FOCAL RANGE (mm)	3.6mm	3.6mm	3.6 or 6mm
	MECHANISM	Fixed	Fixed	Fixed
IR	DISTANCE (m)	30m	30m	80m
CONNECTIVITY	TYPE	RJ-45	RJ-45	RJ-45
	ANALOGUE OUTPUT	–	–	–
	ALARM IN/OUT	–	–	1/1
	AUDIO IN/OUT	–	–	1/1
	MICRO SD SLOT	–	–	Max 128GB
ENVIRONMENT	IP RATING	67	67	67
	VANDAL RATING (IK)	–	–	–
	POWER	12v DC/ PoE (802.3af)	12v DC/ PoE (802.3af)	12v DC/ PoE (802.3af)
	DIMENSIONS (mm)	ø70 x 165mm	ø70 x 165mm	169 x 69.8 x 69.8mm
SPECIAL FEATURES	INTELLIGENT DETECTION	–	Yes	Yes
	HEAT MAP	–	–	–
	PEOPLE COUNTING	–	–	–
	PTZ PAN RANGE	–	–	–
	PTZ TILT RANGE	–	–	–
	PTZ AUTO TRACKING	–	–	–
	PTZ WIPER	–	–	–

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B

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Fixed Dome

		OPTIC-1s-DF3-IO	ZENON-2s-DF4-IXO-B ZENON-2s-DF4-IXO-W	ZENON-2s-DF4-IV-2.8 ZENON-2s-DF4-IV-3.6	ULTRA-2s-DF8-IXO
IMAGE SENSOR	RESOLUTION (MP)	3MP	4MP	4MP	8MP
	SIZE (INCH)	1/3"	1/3"	1/3"	1/2.5"
	MANUFACTURER	Aptina	OmniVision	OmniVision	Sony IMX274
CHIPSET	MANUFACTURER	Ambarella	Ambarella	Ambarella	Ambarella
	COMPRESSION	H.264, H.264E	H.265, H265E, H.264, H.264E	H.265, H265E, H.264, H.264E	H.265, H265E, H.264, H.264E
	WDR TYPE	Digital	Digital	True	Digital
	WDR RATING (dB)	80dB	80dB	120dB	80dB
LENS	FOCAL RANGE (mm)	3.6mm	5.1 - 61.2mm (12x)	2.8 - 3.6mm	4mm (25x)
	MECHANISM	Fixed	Fixed	Fixed	Fixed
IR	DISTANCE (m)	30m	50m	20m	50m
CONNECTIVITY	TYPE	RJ-45	RJ-45	RJ-45	RJ-45
	ANALOGUE OUTPUT	–	–	–	–
	ALARM IN/OUT	–	–	–	–
	AUDIO IN/OUT	–	1/0 (Built in Mic)	1/0 (Built in Mic)	1/0 (Built in Mic)
	MICRO SD SLOT	–	–	–	–
ENVIRONMENT	IP RATING	67	67	67	67
	VANDAL RATING (IK)	–	–	10	–
	POWER	12v DC/ PoE (802.3af)	12v DC/ PoE (802.3af)	12v DC/ PoE (802.3af)	12v DC/ PoE (802.3af)
	DIMENSIONS (mm)	ø93.4 x 80mm	ø106 x 93.7mm	ø106 x 50.3mm	ø106 x 93.7mm
SPECIAL FEATURES	INTELLIGENT DETECTION	–	Yes	Yes	Yes
	HEAT MAP	–	–	–	–
	PEOPLE COUNTING	–	–	–	–
	PTZ PAN RANGE	–	–	–	–
	PTZ TILT RANGE	–	–	–	–
	PTZ AUTO TRACKING	–	–	–	–
	PTZ WIPER	–	–	–	–
		BRACKET E	**BRACKET** D	**BRACKET** D	**BRACKET** D

IP

Motorised Bullet

		OPTIC-3s-BM4-IXO-B OPTIC-3s-BM4-IXO-W	ZENON-2s-BM4-IXO	ULTRA-2s-BM8-IXO	QUANTUM-2s-BM2-IXO	ULTRA-3s-BM12-IXO
IMAGE SENSOR	RESOLUTION (MP)	4MP	4MP	8MP	2MP	12MP
	SIZE (INCH)	1/3"	1/3"	1/2.5"	1/1.9"	1/1.7"
	MANUFACTURER	OmniVision	OmniVision	Sony IMX185	Sony IMX185	Sony IExmor R IMX226
CHIPSET	MANUFACTURER	Ambarella	Ambarella	Ambarella	Ambarella	HI3519
	COMPRESSION	H.264. H.264E	H.265, H265E, H.264, H.264E	H.265, H265E, H.264, H.264E	H.265, H265E, H.264, H.264E	H.265, H265E, H.264, H.264E
	WDR TYPE	True	True	True	True	Digital
	WDR RATING (dB)	120dB	120dB	120dB	120dB	80dB
LENS	FOCAL RANGE (mm)	2.7 - 12mm	2.7 - 12mm	2.7 - 12mm	4.1 - 16.4mm	4.1 - 16.4mm
	MECHANISM	Motorised	Motorised	Motorised	Motorised	Auto-Iris Motorised
IR	DISTANCE (m)	60m	50m	50m	50m (Sirius, Low Light)	50m
CONNECTIVITY	TYPE	RJ-45	RJ-45	RJ-45	RJ-45	RJ-45 (1GB)
	ANALOGUE OUTPUT	–	–	–	–	–
	ALARM IN/OUT	–	2/1	2/1	2/1	2/1
	AUDIO IN/OUT	–	1/1	1/1	1/1	1/1
	MICRO SD SLOT	Max 128GB	Max 128GB	Max 128GB	Max 128GB	Max 128GB
ENVIRONMENT	IP RATING	67	67	67	67	67
	VANDAL RATING (IK)	–	–	–	–	–
	POWER	12v DC / PoE (802.3af)	12v DC / PoE (802.3af)	12v DC / PoE (802.3af)	12v DC / PoE (802.3af)	12v DC / 24vAC / PoE (802.3af)
	DIMENSIONS (mm)	72 x 80 x 212.8mm	273.2 x 95 x 96.4mm	273.2 x 95 x 96.4mm	273.2 x 95 x 96.4mm	273.2 x 95 x 96.4mm
SPECIAL FEATURES	INTELLIGENT DETECTION	Yes	Yes	Yes	Yes	Yes
	HEAT MAP	–	–	–	Yes	Yes
	PEOPLE COUNTING	–	–	–	Yes	Yes
	PTZ PAN RANGE	–	–	–	–	–
	PTZ TILT RANGE	–	–	–	–	–
	PTZ AUTO TRACKING	–	–	–	–	–
	PTZ WIPER	–	–	–	–	–
		BRACKET **B**	BRACKET **C**	BRACKET **C**	BRACKET **C**	BRACKET **C**

IP

ANPR Bullet

		QUANTUM-2s-BM2-AO	QUANTUM-2s-BM2-AXO
IMAGE SENSOR	RESOLUTION (MP)	2MP	2MP
	SIZE (INCH)	1/1.9"	1/1.9"
	MANUFACTURER	Sony IMX185	Sony IMX185
CHIPSET	MANUFACTURER	Texas Instruments	Texas Instruments
	COMPRESSION	H.264	H.264
	WDR TYPE	True	True
	WDR RATING (dB)	120dB	120dB
LENS	FOCAL RANGE (mm)	4 - 8mm	10.5-42mm
	MECHANISM	Motorised	Vari-Focal (DC AI)
IR	DISTANCE (m)	8m	40m
CONNECTIVITY	TYPE	RJ-45	RJ-45
	ANALOGUE OUTPUT	–	Yes
	ALARM IN/OUT	2/1	2/1
	AUDIO IN/OUT	1/1	–
	MICRO SD SLOT	Max 64GB	Max 64GB
ENVIRONMENT	IP RATING	66	66
	VANDAL RATING (IK)	–	–
	POWER	24v AC / PoE (802.3af)	24v AC / PoE (802.3af)
	DIMENSIONS (mm)	273.2 x 94.8 x 94.8mm	71.4 x 65.5 x 135.4mm
SPECIAL FEATURES	PLATE DETECTION	Global	Global
	DETECTION DISTANCE	4-8m	8-40m
	WHILE / BLACKLIST	Yes	Yes
	PLATE SEARCH	Yes	Yes
	SD CARD PLATE SNAPSHOT	Yes	Yes
	BACKEND (NVR) SUPPORT	STORM-3s, SIROCCO-5s	STORM-3s, SIROCCO-5s

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IC Realtime are pleased to announce our QUANTUM ANPR IP cameras.

They capture numbers plates at speeds of up to 50kmh/32mph both during the day and at night using built in IR LED's.

Both cameras can operate independently and store overview snapshots as well as plate cut outs to internal SD storage (cards not included) or be supported via our STORM-3s and SIROCCO-5s range of NVRs.

Both of these cameras have been specially built for ANPR applications which result in extremely accurate and fast capture of number plates.

BD51 SMR

IP

Motorised Dome

		OPTIC-3s-DM4-IV	OPTIC-3s-DM4-IXO-B OPTIC-3s-DM4-IXO-W	ZENON-2s-DM4-IXV	ULTRA-2s-DM8-IXO	QUANTUM-2s-DM2-IXV
IMAGE SENSOR	RESOLUTION (MP)	4MP	4MP	4MP	8MP	2MP
	SIZE (INCH)	1/3"	1/3"	1/3"	1/2.5"	1/1.9"
	MANUFACTURER	OmniVision	OmniVision	OmniVision	Sony IMX274	Sony IMX274
CHIPSET	MANUFACTURER	Ambarella	Ambarella	Ambarella	Ambarella	Ambarella
	COMPRESSION	H.264. H.264E	H.264. H.264E	H.264. H.264E, H.264, H.254E	H.264. H.264E, H.264, H.254E	H.264. H.264E, H.264, H.254E
	WDR TYPE	True	True	True	Digital	True
	WDR RATING (dB)	120dB	120dB	120dB	80dB	120dB
LENS	FOCAL RANGE (mm)	2.7 - 12mm	2.7 - 12mm	2.7 - 12mm	2.7 - 12mm	4.1 or 16.4mm
	MECHANISM	Motorised	Motorised	Motorised	Motorised	Auto-Iris Motorised
IR	DISTANCE (m)	30m	60m	50m	50m	50m (Sirius, Low Light)
CONNECTIVITY	TYPE	RJ-45	RJ-45	RJ-45	RJ-45	RJ-45 (1GB)
	ANALOGUE OUTPUT	–	–	Yes 9with CAB-SPOT)	–	–
	ALARM IN/OUT	–	–	1/1	–	1/1
	AUDIO IN/OUT	–	–	1/1	1/0 (Built in Mic)	1/1
	MICRO SD SLOT	Max 128GB	Max 128GB	Max 128GB	Max 128GB	Max 128GB
ENVIRONMENT	IP RATING	67	67	67	67	67
	VANDAL RATING (IK)	10	–	10	–	10
	POWER	12v DC / PoE (802.3af)	12v DC / PoE (802.3af)	12v DC / PoE (802.3af)	12v DC / PoE (802.3af)	12v DC / 24vAC / PoE (802.3af)
	DIMENSIONS (mm)	ø122 x 88.9mm	ø122 x 104.9mm	ø159 x 117.9mm	ø122 x 104.9mm	ø159 x 117.9mm
SPECIAL FEATURES	INTELLIGENT DETECTION	Yes	Yes	Yes	Yes	Yes
	HEAT MAP	–	–	–	–	Yes
	PEOPLE COUNTING	–	–	–	–	Yes
	PTZ PAN RANGE	–	–	–	–	–
	PTZ TILT RANGE	–	–	–	–	–
	PTZ AUTO TRACKING	–	–	–	–	–
	PTZ WIPER	–	–	–	–	–
	BRACKET	G	G	H	G	H

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Motorised/Fisheye Dome

		ULTRA-3s-DM12-IXV	OPTIC-1s-DP5	QUANTUM-1s-DP6-IV	QUANTUM-1s-DP12-IV
IMAGE SENSOR	RESOLUTION (MP)	12MP	5MP	6MP	12MP
	SIZE (INCH)	1/1.7"	1/3"	1/1.8"	1/2.3"
	MANUFACTURER	Sony Exmor R IMX226	Sony Exmor	Sony IMX	Sony IMX
CHIPSET	MANUFACTURER	HI3519	Ambarella	Ambarella	Ambarella
	COMPRESSION	H.264. H.264E, H.264, H.254E	H.264	H.264	H.264
	WDR TYPE	Digital	Digital	Digital	Digital
	WDR RATING (dB)	80dB	80dB	80dB	80dB
LENS	FOCAL RANGE (mm)	4.1 or 16.4mm	1.42mm	1.55mm	1.57mm
	MECHANISM	Auto-Iris Motorised	Fisheye	Fisheye	Fisheye
IR	DISTANCE (m)	50m	–	10m	10m
CONNECTIVITY	TYPE	RJ-45 (1GB)	RJ-45	RJ-45	RJ-45
	ANALOGUE OUTPUT	–	–	–	–
	ALARM IN/OUT	1/1	1/1	2/1	2/1
	AUDIO IN/OUT	1/1	1/1 (Built in Mic)	1/1 (Built in Mic)	1/1 (Built in Mic)
	MICRO SD SLOT	Max 128GB	Max 128GB	Max 64GB	Max 64GB
ENVIRONMENT	IP RATING	67	–	67	67
	VANDAL RATING (IK)	10	10	10	10
	POWER	12v DC / 24vAC / PoE (802.3af)	12v DC / PoE (802.3af)	12v DC / PoE (802.3af)	12v DC/ PoE (802.3af)
	DIMENSIONS (mm)	ø159 x 117.9mm	ø110 x 54mm	ø150 x 50.7mm	ø150 x 50.7mm
SPECIAL FEATURES	INTELLIGENT DETECTION	Yes	–	Yes	Yes
	HEAT MAP	Yes	–	Yes	Yes
	PEOPLE COUNTING	Yes	–	–	–
	PTZ PAN RANGE	–	–	–	–
	PTZ TILT RANGE	–	–	–	–
	PTZ AUTO TRACKING	–	–	–	–
	PTZ WIPER	–	–	–	–

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Speciality

		* QUANTUM-2s-CF2-EN	* QUANTUM-2s-CF2-S1	* QUANTUM-2s-CF2-S3	QUANTUM-2s-XC2
IMAGE SENSOR	RESOLUTION (MP)	–	2MP	2MP	8MP
	SIZE (INCH)	–	1/2.8"	1/2.8"	1/1.9"
	MANUFACTURER	–	Sony Exmor R	Sony Exmor R	Sony IMX185
CHIPSET	MANUFACTURER	Ambarella	–	–	Ambarella
	COMPRESSION	H.265, H.265E, H.264, H.264E	–	–	H.265, H.265E, H.264, H.264E
	WDR TYPE	Digital	–	–	True
	WDR RATING (dB)	80dB	–	–	120dB
LENS	FOCAL RANGE (mm)	–	2.8mm	2.8mm	–
	MECHANISM	–	Fixed	Fixed	C/CS Mount (ABF)
IR	DISTANCE (m)	–	–	–	0m (Sirius, Low Light)
CONNECTIVITY	TYPE	RJ-45	–	–	RJ-45 (1GB)
	ANALOGUE OUTPUT	–	–	–	–
	ALARM IN/OUT	2/2	–	–	2/2
	AUDIO IN/OUT	1/1	–	–	2/1 (1 x Built in Mic)
	MICRO SD SLOT	Max 128GB	–	–	Max 128GB
ENVIRONMENT	IP RATING	–	–	–	–
	VANDAL RATING (IK)	–	–	–	–
	POWER	12v DC/ PoE (802.3af)	–	–	12v DC / 24vAC / PoE (802.3af)
	DIMENSIONS (mm)	110 x 82.7 x 24mm	ø26.4 x 48.3mm	ø26.4 x 50.4mm	161.6 x 85.5 x 74mm
SPECIAL FEATURES	INTELLIGENT DETECTION	Yes	–	–	Yes
	HEAT MAP	–	–	–	Yes
	PEOPLE COUNTING	–	–	–	Yes
	PTZ PAN RANGE	–	–	–	–
	PTZ TILT RANGE	–	–	–	–
	PTZ AUTO TRACKING	–	–	–	–
	PTZ WIPER	–	–	–	–

*NOTE: QUANTUM-2s-CF2-EN is a encoder and requires either the QUANTUM-2s-CF2-S1 or QUANTUM-2s-CF2-S3, both sensor units come with 8m of cable for connection into encoder.

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Stainless Steel

		QUANTUM-2s-DM2-IXVN	QUANTUM-2s-PO2-VN-x30
IMAGE SENSOR	RESOLUTION (MP)	2MP	2MP
	SIZE (INCH)	1/1.9"	1/2.8"
	MANUFACTURER	Sony IMX185	Sony Starvis
CHIPSET	MANUFACTURER	Ambarella	Ambarella
	COMPRESSION	H.265, H.265E, H.264, H.264E	H.265, H.265E, H.264, H.264E
	WDR TYPE	True	True
	WDR RATING (dB)	120dB	120dB
LENS	FOCAL RANGE (mm)	4.1 - 16.4mm	4.1 - 135mm (30x)
	MECHANISM	Auto-Iris Motorised	Optical
IR	DISTANCE (m)	50m (Sirius, Low Light)	0m (Sirius, Low Light)
CONNECTIVITY	TYPE	RJ-45 (1GB)	RJ-45
	ANALOGUE OUTPUT	–	CVBS
	ALARM IN/OUT	1/1	7/2
	AUDIO IN/OUT	1/1	1/1
	MICRO SD SLOT	Max 128GB	Max 128GB
ENVIRONMENT	IP RATING	67	68
	VANDAL RATING (IK)	10	10
	POWER	12v DC / 24vAC / PoE (802.3af)	24v AC (PoE + 802.3af)
	DIMENSIONS (mm)	ø162.5 x 118.1mm	ø222 x 292mm
SPECIAL FEATURES	INTELLIGENT DETECTION	Yes	Yes
	HEAT MAP	Yes	–
	PEOPLE COUNTING	Yes	–
	PTZ PAN RANGE	–	360˚ Endless
	PTZ TILT RANGE	–	15˚ - 90˚
	PTZ AUTO TRACKING	–	Yes
	PTZ WIPER	–	–

COMING SOON

Based on the same camera technology inside our QUANTUM-2s cameras we are pleased to introduce NEMA-4x rated Stainless Steel Products into our range.

Made from 316L Stainless Steel these cameras are ideally suited for various applications such as:

- Coastal Areas
- Chemical Plants
- Other Severe Environments

IP

Fully Functional

		OPTIC-1s-PO2-V-x4	OPTIC-2s-PO2-1-x4	ZENON-1s-PO2-V-x12	ZENON-1s-PO2-x12
IMAGE SENSOR	RESOLUTION (MP)	2MP	2MP	2MP	2MP
	SIZE (INCH)	1/2.7"	1/2.7"	1/2.8"	1/2.8"
	MANUFACTURER	CMOS	CMOS	Aptina	Aptina
CHIPSET	MANUFACTURER	Ambarella	Ambarella	Ambarella	Ambarella
	COMPRESSION	H.264	H.264, H.264E	H.264, H.264E	H.264, H.264E
	WDR TYPE	True	True	True	True
	WDR RATING (dB)	120dB	120dB	120dB	120dB
LENS	FOCAL RANGE (mm)	2.7 - 11mm (4x)	2.7 - 11mm (4x)	5.1 - 61.2mm (12x)	5.1 - 61.2mm (12x)
	MECHANISM	Optical	Optical	Optical	Optical
IR	DISTANCE (m)	–	30m	–	–
CONNECTIVITY	TYPE	RJ-45	RJ-45	RJ-45	RJ-45
	ANALOGUE OUTPUT	–	–	–	–
	ALARM IN/OUT	–	–	2/1	2/1
	AUDIO IN/OUT	–	1/0 (Built in Mic)	1/1	1/1
	MICRO SD SLOT	Max 128GB	Max 128GB	Max 128GB	Max 128GB
ENVIRONMENT	IP RATING	66	–	66	–
	VANDAL RATING (IK)	10	–	10	10
	POWER	12v DC/ PoE (802.3af)	12v DC/ PoE (802.3af)	24v AC (1.3A) PoE+ (802.3af)	24v AC (1.5A) PoE+ (802.3af)
	DIMENSIONS (mm)	ø122 x 89mm	ø132.7 x 116.5mm	ø170 x 155mm	ø198 x 158mm
SPECIAL FEATURES	INTELLIGENT DETECTION	Yes	Yes	Yes	Yes
	HEAT MAP	–	–	–	–
	PEOPLE COUNTING	–	–	–	–
	PTZ PAN RANGE	355˚ Limited	360˚ Limited	360˚ Endless	360˚ Endless
	PTZ TILT RANGE	0˚ - 90˚	0˚ - 90˚	-2˚ - 90˚	-2˚ - 90˚
	PTZ AUTO TRACKING	–	–	–	–
	PTZ WIPER	–	–	–	–

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IP

Fully Functional

		ZENON-2s-PO2-IXO-x25	ZENON-2s-PO4-IXO-x30	QUANTUM-1s-PO2-IXO-x30	QUANTUM-1s-PO2-LXO-x30
IMAGE SENSOR	RESOLUTION (MP)	2MP	4MP	2MP	2MP
	SIZE (INCH)	1/2.8"	1/3"	1/1.9"	1/1.9"
	MANUFACTURER	Sony Starivs	Sony Exmor	Sony Exmor	Sony Exmor
CHIPSET	MANUFACTURER	Ambarella	Ambarella	Ambarella	Ambarella
	COMPRESSION	H.264, H.264E	H.265, H.264, MJPEG	H.264	H.264
	WDR TYPE	True	True	True	True
	WDR RATING (dB)	120dB	120dB	120dB	120dB
LENS	FOCAL RANGE (mm)	4.8 - 120mm (25x)	4.8 - 120mm (30x)	6 - 180mm (30x)	6 - 180mm (30x)
	MECHANISM	Optical	Optical	Optical	Optical
IR	DISTANCE (m)	50m (Sirius, Low Light)	100m	150m (IR)	500m (Laser)
CONNECTIVITY	TYPE	RJ-45	RJ-45	RJ-45	RJ-45
	ANALOGUE OUTPUT	–	Yes	Yes	Yes
	ALARM IN/OUT	2/1	2/1	7/2	7/2
	AUDIO IN/OUT	1/1	1/1	1/1	1/1
	MICRO SD SLOT	Max 128GB	Max 128GB	Max 128GB	Max 128GB
ENVIRONMENT	IP RATING	66	66	67	67
	VANDAL RATING (IK)	–	–	–	–
	POWER	24v DC or 12vDC (PoE+ 802.3af)	24v DC or 12vDC (PoE+ 802.3af)	24v AC 3A / (Ho-PoE)	24v AC 3A / (Ho-PoE)
	DIMENSIONS (mm)	ø186 x 309mm	ø186 x 309mm	ø240 x 357mm	ø240 x 357mm
SPECIAL FEATURES	INTELLIGENT DETECTION	Yes	Yes	Yes	Yes
	HEAT MAP	–	–	–	–
	PEOPLE COUNTING	–	–	–	–
	PTZ PAN RANGE	360˚ Endless	360˚ Endless	360˚ Endless	360˚ Endless
	PTZ TILT RANGE	-15˚ - 90˚	-15˚ - 90˚	-10˚ - 90˚	-10˚ - 90˚
	PTZ AUTO TRACKING	Yes	Yes	Yes	Yes
	PTZ WIPER	–	–	Yes	Yes

| BRACKET	BRACKET	BRACKET	BRACKET
M	M	M	M

BRACKETS

BRACKETS

We have simplified our bracket selection into groupings for each housing type. Match the letter listed under the camera specification tables with the letter listed here for the range of brackets available for that particular camera.

A

Junction Box

or

BASE-134-W (White Base)
BASE-134-B (Black Base)

Pole Mount

+

BASE-B50 (Recommended) + MNT-PM152

B

Junction Box

BASE-135-W

Pole Mount

+

BASE-B50 (Recommended) + MNT-PM152

Tip: If you require a black finish on the BASE-135, please choose the BASE-134-B, it has the same dimensions and mounting pattern when the cover is removed. Cover can be removed and discarded easily by unscrewing the three top screws.

C

Junction Box

BASE-B40

Pole Mount

+

BASE-B40 + MNT-PM152

D

Junction Box

or

BASE-139-W or BASE-139-B

Wall Mount

MNT-204-W

Pole Mount

+

MNT-204-W + MNT-PM152

E

Junction Box	Wall Mount	Pole Mount
BASE-135-W	MNT-WM200W	MNT-WM200W + MNT-PM15

Tip: If you require a black finish on the BASE-135 please choose the BASE-134-B, it has the same dimensions and mounting pattern when the cover is removed. Cover can be removed and discarded easily by unscrewing the three top screws.

F

Junction Box	Pole Mount	Pole Mount
BASE-136-W	MNT-203-W	MNT-203-W + MNT-PM152

G

Junction Box	Wall Mount	Pole Mount	In-Ceiling
BASE-137-W (Black Base) BASE-137-B (Black Base)	MNT-203-W	MNT-203-W + MNT-PM152	MNT-200C

H

Junction Box	Wall Mount	Pole Mount	Ceiling Mount
BASE-138-W	PLA-101-W + MNT-302-W	PLA-101-W + MNT-302-W + MNT-PM152	PLA-101-W + MNT-CM3

I

Junction Box	Wall Mount	Pole Mount	Ceiling Mount
BASE-132-W	PLA-100-W + MNT-302-W	PLA-100-W + MNT-302-W + MNT-PM152	PLA-100-W + MNT-CM3

J

Wall/Ceiling Mount

IC-BRKT-100

K

Wall Mount	Ceiling Mount	Pole Mount	Corner Mount
PLA-103-W + MNT-302-W	PLA-103-W + MNT-CM3	PLA-103-W + MNT-302-W + MNT-PM3	PLA-103-W + MNT-302-W + MNT-CRM3

L

Wall Mount & Junction Box	Ceiling Mount	Pole Mount	Corner Mount
PLA-102-W + MNT-302-W	PLA-102-W + MNT-CM3-W	PLA-103-W + MNT-302-W + MNT-PM3	PLA-103-W + MNT-302-W + MNT-CRM3

M

Ceiling Mount	Pole Mount	Corner Mount	Junction Box
MNT-CM3	MNT-PM3	MNT-CRM3	BASE-120

Installation Box (Highly Recommended for easy maintenance)	Parapet	Half Swan Neck (Pole Top)	Full Swan Neck (Pole Top)
BASE-PWR140-W	MNT-303S	ALTRON-AW1699H-PEL	ALTRON-AW1699F-PEL

*Note: All these PTZs come supplied with Wall Bracket & Power Supply

ALTRON BRACKETS

As an Altron distributor, we offer the full range of Altron products.

WHY CHOOSE ALTRON?

Manufactured in the UK, Altron has been responsible for many firsts in the bracket and tower industry. Altron have a wide range of standard off-the-shelf products, and the experience can provide custom solutions for nearly any environment.

The Altron range includes:

- Cabinet based poles
- Omate poles and brackets
- Specialist transport based towers
- Cabinets
- Brackets and other accessories

COMMON SECURITY FEATURES

All Altron products are designed specifically for CCTV camera mounting. The following security features are incorporated as standard, onto all Altron products:

- Secure locks as standard, cannot be picked or driven through
- Flush, close fitting doors to resist lever attacks
- Internal padlock facility on tilt-down products
- Winches are demountable and are removed when product is not being operated, therefore products are tamper proof
- Camera cables routed internally

DISPLAY SOLUTIONS

PHILLIPS Q-LINE

COMMERCIAL RATED MONITORS BACKED UP WITH A 3 YEAR DE-INSTALL/RE-INSTALL ON-SITE WARRANTY!

Deliver startlingly clear images in a more eco-friendly way with the Q-line displays. High on performance and reliability, yet low on power consumption, it is ideal for projects where no compromise is accepted.

OPTIMISED FOR PUBLIC VIEWING

• Full HD LED technology for brilliant images

MAXIMIZING THE IMPACT OF YOUR MESSAGE

• Manage and control your displays remotely via SmartControl

INNOVATIVE SOLUTIONS FOR ANY SIGNAGE APPLICATION

• Free and easy-to-use content management with SmartCMS
• Connect and control your content via the cloud with HTML5
• Schedule what you want, when you want with SmartPlayer
• Connect your display and start sharing with DLNA

CARE ABOUT YOU, YOUR BUSINESS AND YOUR AUDIENCE

• SmartPower for energy saving

PHILIPS

ON ALL MODELS
3 YEAR
WARRANTY
★ ★ ★
DE-INSTALL & RE-INSTALL
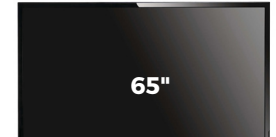
	32"	43"	48"	55"	65"
TIS CODE	MON-PH-BDL3230QL/00	MON-PH-BDL4330QL/00	MON-PH-BDL4830QL/00	MON-PH-BDL5530QL/00	MON-PH-BDL6530QL/00
SIZE	32"	43"	48"	55"	65"
USAGE	16/7	16/7	16/7	16/7	16/7
MTBF	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs	50,000 hrs
BRIGHTNESS	350cd/m²	350cd/m²	350cd/m²	350cd/m²	350cd/m²
RESOLUTION	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
BEZEL SIZE	11.9 (TLR)/ 17.2 (B) mm	11.9 (TLR)/ 14.9(B) mm	11.9 (TLR)/ 14.7 (B) mm	11.9 (TLR)/ 14.5 (B) mm	11.9 (TLR)/ 14.9(B) mm
BUILT-IN STORAGE	8GB	8GB	8GB	8GB	–
DISP PORT	–	–	–	–	1
HDMI	1	1	1	1	1
USB	1	1	1	1	2
DVI	1	1	1	1	1
VGA	1	1	1	1	1
RS232 & RJ45	Yes	Yes	Yes	Yes	Yes
INTERNAL SPEAKERS	Yes	Yes	Yes	Yes	Yes
VESA	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200

MONITORS

	19"	19.5"	20.7"	23.6"	27"	28"
PART NUMBER	MON-1S-1954	E2070SWN	MON-1S-21HD	I2476VWM	I2770VHE	U2868PQU
MONITOR SIZE	19"	19.5"	20.7"	23.6"	27"	28"
SCREEN FORMAT	5:4	16:9	16:9	16:9	16:9	16:9
CONTRAST RATIO	1000:1	20M:1	1000:1	50M:1	20M:1	80M:1
RESPONSE TIME	5 ms	5 ms	5 ms	5 ms	1 ms	1 ms
MAX RESOLUTION	1280 x 1024	1600 x 900 at 60Hz	1920 x 1080	1920 x 1080 at 60Hz	1920 x 1080 at 60Hz	3840 x 2160 at 60Hz
VGA	Yes	Yes	Yes	Yes	Yes	Yes
HDMI	Yes	–	Yes	Yes	Yes	Yes
DVI	–	–	–	–	Yes	Yes
BNC	Yes	–	–	–	–	–

16 CHANNEL SPOT MONITOR SOLUTION
STREAM-2s-016

The STREAMBOX is an innovative and extremely cost effective solution for the provision of spot monitor applications in IP, Analogue and HDCVI CCTV installations. It is the perfect solution over the traditional use of expensive, service intensive and often bulky PC solutions or the use of limited function single input decoders.

The STREAMBOX runs completely independent to the recorder or VMS environment. Setup and maintenance is done via the local on screen interface using the supplied wireless USB mouse or the web management interface.

STREAMBOX performance offers 16 channel ONVIF / RTSP streaming with direct driver support for other camera manufacturers. It is compact in size and measures only 190 x 155 x 45mm (W x D x H); the appliance can be installed discretely behind public display monitors or above ceiling tiles.

The STREAMBOX runs HDMI, VGA & BNC video outputs allowing for connectivity to all types of monitors. This ensures effective cost management where existing screens can be utilised when migrating from Analogue to IP or HDCVI technologies. The STREAMBOX is compatiable will all current IC Realtime recorders and IP cameras and also has support for many of our past product range.

16 IP	16MP			H.264			i/o			Onvif	
16 IP Channel Support	16mp Resolution	128Mbps Bandwidth Transmission	Embedded Linux OS	H.264 / MPEG-4 Compression	PTZ Control	HDMI, VGA & BNC Video Outputs	Alarm I/O Support	Compact Design	Wireless Mouse Included	Support for ONVIF Protocol	Wall Mountable

VERSATILE & EASY TO USE KEYBOARD

IC-CONSOLE-5X

The IC-CONSOLE-5X is a multiple interface keyboard controller designed for use with the IC Realtime range of recorders and our complete range of PTZ cameras. Interface options include RJ-45 (Network), RS-232, RS-485, RS-422 and USB.

All data and telemetry configuration connectivity are now on board as standard. The ergonomic footprint will integrate tidily into the most concise security podium.

MAIN FEATURES

- Keyboard console to control:
  – IC Realtime stand-alone recorders (RS-232 or Network)
  – IC Realtime PTZs (RS-485)
  – IC Realtime IP PTZs (Network) - Smart ICRSS (USB)
- RJ-45 (Network), RS-232, RS-485, RS-422 & USB connections
- 3D joystick control of PTZ functions
- Present, scan, pan, tour & pattern controls
- Built in LCD display
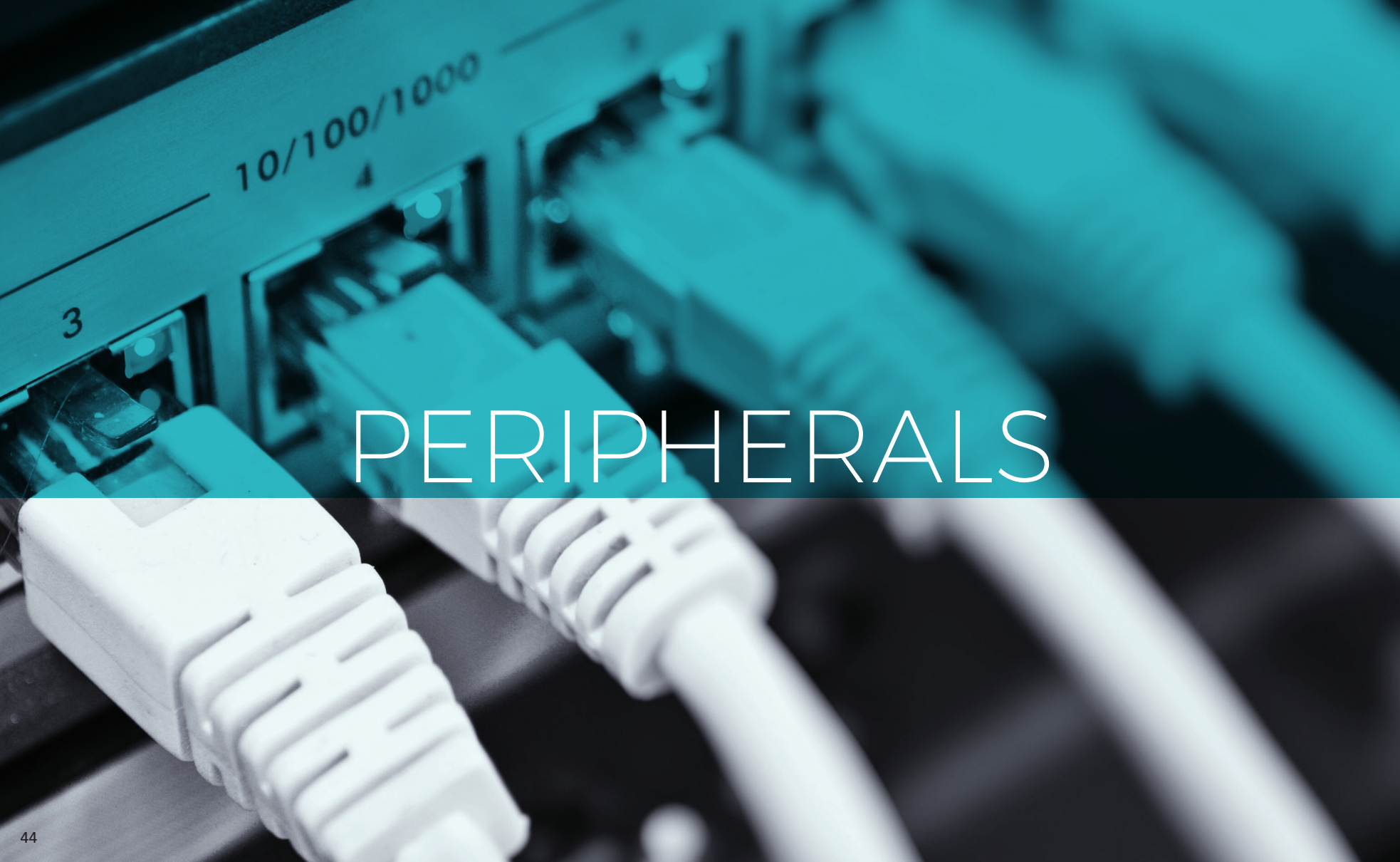
PERIPHERALS

IP SWITCHES

	IC-IPS4P-60W	IC-IPS8P-93W	IC-IPS16P-250W	DGS-1210-28P
POE PORTS	4	8	16	24
POE PORT SPEED	10/ 100Mbps	10/ 100Mbps	10/ 100Mbps	10/ 100Mbps
GB UPLINK	2	2	2	4 x SFP
POE PROTOCOL	*PoE – IEEE802.3af – 15.4W PoE+ – IEEE802.3at – 30W˚	*PoE – IEEE802.3af – 15.4W PoE+ – IEEE802.3at – 30W˚	*PoE – IEEE802.3af – 15.4W PoE+ – IEEE802.3at – 30W˚	*PoE – IEEE802.3af – 15.4W – 24 PoE+ – IEEE802.3at – 30W˚ – Ports1 – 4"
GLOBAL POE BUDGET	60W	93W	250W	193W
POWER INPUT	53vDC Power Supply	53vDC Power Supply	AC100 – 240V	AC100 – 240V
OPERATING TEMPERATURE	-30˚C – 65˚C	-30˚C – 65˚C	-10˚C – 55˚C	-5˚C – 55˚C
DIMENSIONS (W x D x H)	150 x 100 x 30mm	150 x 100 x 42mm	442 x 124 x 44.5mm	444 x 210 x 44mm
WEIGHT	480g	540g	2.69Kg	2.54Kg

WIRELESS

IC Realtime is pleased to introduce the MML342LV wireless Point to Point kit, this is an excellent solution if you require cameras at remote locations but have no way of cabling to the locations. Suited for Point to Point or Point to Multi-Point installations it is the ideal alternative for sites where wired connection is either impossible, costly or impractical.

PLUG AND PLAY WIRELESS KIT

1 x 5GHz Pre-Configured Access Point/Host
1 x 5GHz Pre-Configured Station/Client
2 x 24v PSUs
Mounting brackets

Part Number: MML342LV-KIT

SINGLE UNIT

1 x 5GHz Un-Configured Unit, can be configured as either Host or Client
1 x 24v PSU
Mounting brackets

Part Number: MML342LV

KEY FEATURES:

- IEEE 802.11a/n compliant
- 5GHz up to 26dBm aggerate transmit power
- Data rates of up 300Mbps
- Wireless transmission up to 4km (direct line of sight)
- Antenna alignment site survey – LEDs/Buzzer
- Cost effective and high performance solution for LoS and nLoS
- Connecting multiple buildings together via PtP or PtMP
- Network management with web browser, SNMP V2c or Telnet / Secure Shell(SSH)
- IP Feature provides NAT, DDNS and DHCP
- Weatherproof Casing
- The camera sends data over a network cable (through a switch if there are multiple cameras attached) to the Station
- The station transfers that data in to a Wi-Fi signal and beams it to the access point at the DVR/NVR location
- The access point converts the data received over Wi-Fi in to a wired network signal and sends it to your router
- The router then routes the data to your DVR/NVR

HOW IT WORKS:
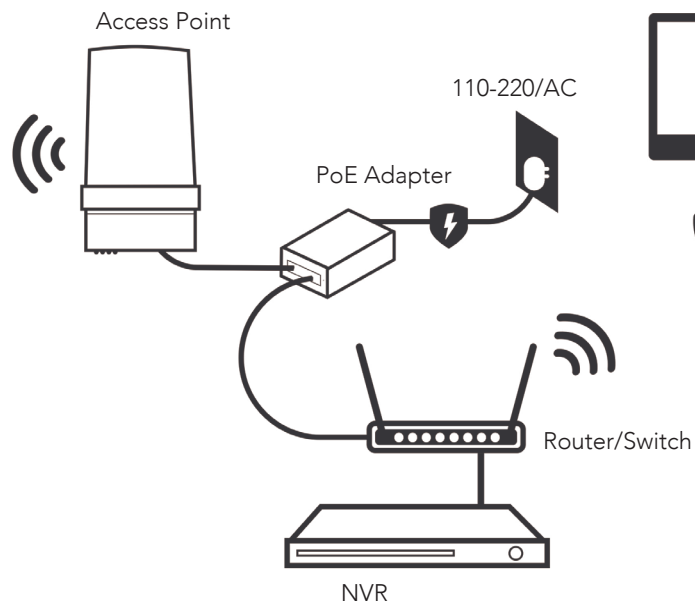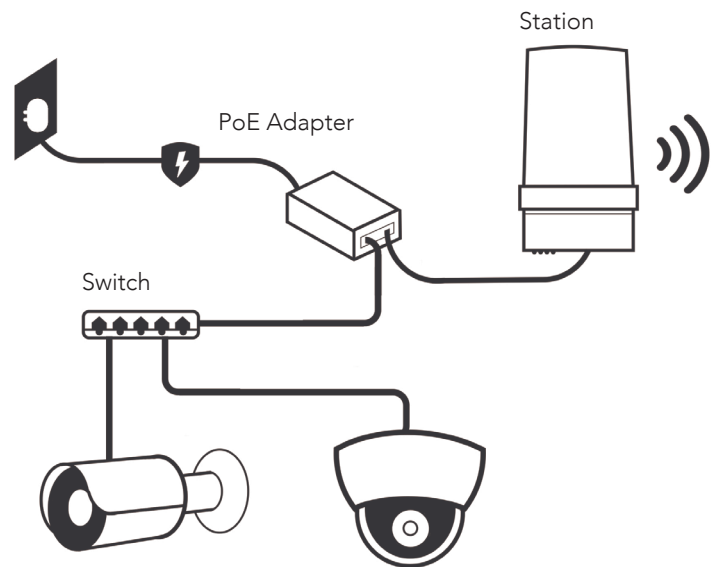
PC or MAC Laptop
Android Tablet
iPhone or Android Phone
iPad
Windows Phone Tablet

Station

Access Point

110-220/AC

PoE Adapter

PoE Adapter

Switch

Router/Switch

NVR

SD CARDS

SD cards in IP cameras work perfectly with ANR (Automatic Network Replenishment) technology on NVRs. When there is a network disconnection between NVR and IP camera, the NVR can tell the IP camera to store the video on the SD card and then automatically retrieve the video back to the NVR when the network recovers. SD cards are also recommend for our ANPR cameras as it allows storage of plate snapshots and plates logs directly in the camera.

PART NUMBER	EDGE-SDSQUNC-032G-GN6IA	EDGE-SDSQUNC-064G-GN6IA	EDGE-SDSQUNC-128G-GN6IA	EDGE-SDSDQQ-032G-G46A	EDGE-SDSDQQ-064G-G46A	EDGE-SDSQXVF-128G-GN6MA
CAPACITY	32 GB	64 GB	128 GB	32 GB	64 GB	128 GB
READ SPEED	up to 80 MB/s[1]	up to 80 MB/s[1]	up to 80 MB/s[1]	up to 20 MB/s[1]	up to 20 MB/s[1]	up to 90 MB/s[1]
WRITE SPEED	–	–	–	up to 20MB/s	up to 20 MB/s[1]	up to 60 MB/s[1]
FORM FACTOR	Micro SDHC	Micro SDXC	Micro SDXC	Micro SDHC	Micro SDXC	Micro SDXC
VIDEO SPEED	C10[2]	C10[2]	C10[2]	C10	C10	C10, U3, V30[4]
SD ADAPTER	Yes	Yes	Yes	Yes	Yes	Yes

PC CLIENTS

We have selected a range of PC clients optimised for using our Smart ICRSS client software to suit all budgets. Prior to delivery, we pre-load our software and apply all Windows upgrades which allows for a quicker install.

	Entry Level	Mid-Level	High-End
LEVEL	Entry Level	Mid-Level	High-End
PART NUMBER	PC-i3-4GB	PC-i5-8GB	PC-i7-16GB
DESCRIPTION	Fujitsu ESPRIMO P556/E85+	Fujitsu ESPRIMO P556/E85+	Fujitsu CELSIUS W550
PROCESSOR	Intel Core i3-6100 processor	Intel Core i5-6400 processor	Intel Core i7-6700 processor
RAM	4GB RAM	8GB RAM	16GB RAM
HARD DRIVE	500GB Hard Drive	500GB Hard Drive	500GB Hard Drive + 128GB SSD
NETWORK CARD	1GB Network Card	1GB Network Card	1GB Network Card
DISPLAY	2 x Display Support (1 x Display Port, DVI)	2 x Display Support (1 x Display Port, DVI)	3 x Display Support (1 x Display Port, DVI, VGA)
OPERATING SYSTEM	Windows 7 Pro / Windows 10 Pro	Windows 7 Pro / Windows 10 Pro	Windows 7 Pro / Windows 10 Pro
ORIGIN	Made in Germany	Made in Germany	Made in Germany
WARRANTY	3 Year On-Site Warranty (Next Business Day)	3 Year On-Site Warranty (Next Business Day)	3 Year On-Site Warranty (Next Business Day)

UNINTERRUPTIBLE POWER SUPPLY

- Automatic Voltage Regulation circuit (AVR)
- Output socket for blackout protection
- Reduced weight and dimensions
- Low noisiness
- Easy installation
- USB port
- UPS Management Software: TecnoManager

- On-Line double conversion technology without transformer (VFI-SS-111)
- Rectifier realized by IGBT technology
- Active PFC circuit (0.99)
- Compatible with generators
- ECO MODE operation
- Frequency converter operation
- Output voltage and frequency can be regulated from the front panel
- Static bypass
- USB and RS232 ports
- UPS management software: TecnoManager
- 24 months warranty (after registration on www.tecnoware.com)

UPS-FGCE-RALED852	UPS-FGCE-RALED1102	UPS-FGCE-RALED2002	UPS-FGCEVDP-1203MM	UPS-FGCEVDP-2403MM	UPS-FGCEVDP-3603MM
Nominal power: 850VA	Nominal power: 1100VA	Nominal power: 2000VA	Nominal power: 1200VA	Nominal power: 12400VA	Nominal power: 13600VA

- Convertible format (rack 19" or tower) with adjustable display
- On-Line Double Conversion Technology without transformer (VFI-SS-111)
- Rectifier realized by IGBT technology
- Active PFC Circuit (0.99)
- Compatible with Generators
- EPO (Emergency Power Off)
- ECO MODE operation
- Output voltage and frequency can be set from the front panel
- Static bypass
- RS232 e USB communication ports
- Intelligent slot for SNMP or Dry Contact card
- Telephone/modem protection by RJ11/RJ45 plug
- 24 months warranty (after registration on www.tecnoware.com)

UPS-FGCEVD-1303MMRT	UPS-FGCEVD-2603MMRT	UPS-FGCEVD-4003MMRT
Nominal power: 1300VA	Nominal power: 12600VA	Nominal power: 14000VA

MULTI-FUNCTIONAL TEST MONITOR

IC-TM4

The IC-TM4 is a camera tester that spans three major surveillance technologies: IP, HDCVI and CVBS Analogue.

This tester has PoE for camera power without the need of an injector or PoE switch. It can display full camera statistics such as signal link quality, PoE voltage/amperage, and two-way data kilobyte flow. Instantly see and measure the real-time performance of your IP cameras without the need for a laptop; it also allows you to login and access all camera configuration parameters and change them instantly.

In addition to the extensive IP assessment tools, the tester comes with CAT5 analysis and will display any short along the cable. It will also show you the length of the run in meters, and whether the short is at the close or far end. It allows installers to easily examine Analogue and HDCVI cameras, and have total PTZ control via its built-in controller. Video and pictures can be saved to its internal memory with the push of a button.

MAIN FEATURES

- IPS screen and QWERTY flip keyboard with forty five keys
- Supports IP configuration via Onvif protocol
- Supports HDCVI/Analogue self-adaptive access
- Supports 8 x digital zoom
- Supports audio and RS485 control
- TDR cable detection and network connection test
- Video screen shot, video recording and playback
- Support POE/DC12V longer power supply
- Dual LED flashlight

POE ACCESSORIES

IC-IPEXT100

- PoE extender
- For use with PoE switch or PoE midspan (IC-IPMS100)
- Extend the PoE distance by 100m
- Cascade 2 x IC-IPEXT100 with PoE switch/midspan to achieve up to 300m PoE distance
- 1 x 10/100m PoE port input
- 1 x 10/100m PoE output port for IP camera and 1 x 10/100m output port for next IC-IPEXT100 extender

IC-IPMS100

This product is ideal when you need to power a PoE IP camera and don't have a PoE switch in place

- 1 Port PoE (Up to 60W) midspan device
- Wall mountable

	PWR-12VDC-1A	PWR-24VAC-3A	PWR-12V-4DC-4A	PWR-12V-9CH-10A	PWR-12V-18CH-20A	PWR-24VAC-8CH-8A
STYLE	In-Line	In-Line	In-Line	Boxed	Boxed	Boxed
OUTPUTS	1 x DC Plug	1 x 2 Core	4 x DC Plug	9	18	8
OUTPUT VOLTAGE	12v DC	24v DC	12v DC	12v DC	12v DC	24v AC
CURRENT RATING	1 Amp	3 Amp	4 x 0.7 Amp	10 Amp (Max)	20 Amp (max)	8 Amp (max)
FUSE TYPE	Fused Plug	NA	Fused Plug	PTC	PTC	PTC

HD OVER COAX ACCESSORIES

ICH-HVC100

- 16 x BNC inputs / 32 BNC outputs, each BNC in put has two BNC outputs
- BNC's work with HDCVI, HDTVI, AHD & CVBS
- Supports the following HDCVI video formats: 720p/25, 720p/30, 720p/50, 720p/60, 1080p/25, 1080p/30
- Enterprise level metal design (19" 1U)

ICH-HVC100

- HDCVI converter, convert a HDCVI signal into HDMI, VGA, CVBS (BNC) and HDCVI (BNC)
- All video outputs work simultaneously
- Video, power and data indicators
- Compact design allowing for discreet mounting

IC-BAL-16HD-V

The IC-BAL-16HD-V is a 16 Channel Passive (non-amplified) video hub that makes installation of HD-CVI, HD-TVI, AHD or analogue CVBS cameras professional at the recorder end as it removes the need for single camera baluns.

The IC-BAL-16HD-V is supplied with 16 x single channel passive baluns making this the ideal solution for the installation of 16 cameras over CAT 5/6.

It supports screw terminals, or RJ45 connectors on the hub side, and is capable of receiving sixteen video feeds via four UTP cables when using RJ45 on the hub end.

IC-BAL-IHD-V

Set of HD video baluns for use with HDCVI / HDTVI / AHD and analogue cameras

- The IC-BAL-1HD-V is a single channel passive (non-amplified) video balun for use with HD-CVI, HD-TVI, AHD and CVBS analogue cameras.
- The IC-BAL-1HD-V can transmit up to 300m (720P) and up to 200m (1080P) when using HD-CVI camera and recorder.

IC-BAL-1HD-VP

Set of video and power baluns for use with HDCVI/HDTVI/AHD and analogue cameras

- The IC-BAL-1HD-VP is a single channel passive (non-amplified) video and power balun for use with HD-CVI, HD-TVI, AHD and CVBS analogue cameras.

NOTE: We recommend consulting with the full product PDF for power distance transmission.

IC-HDV-1

HDCVI Video Isolator

- Solution to solving image interference caused by ground loops
- Can be installed indoors or in junction box
- -20~55° Working Temperature

IC-POC-1

Power over coax devices for HDCVI/HDTVI/AHD/CVBS cameras

- Inputted voltage of 24 ~ 36 vDC on recorder side can provide 12vDC (9W Max) of power on camera side of cabling
- 400m transmission distance (Max)
- One coax can transmit 1 channel of HD video and 1 channel of DC power

UTC-1

- Controller for changing video formats on GENESIS-3s cameras
- Indicator Lights to check current video format on camera

CAMERA ENCLOSURES

ICR-H2   (12v / 24v Dual Voltage Heater)
IC-H2-230V   (230v Heater)
ICR-H2-POE   (Built in PoE)

MAIN FEATURES

- Cable Managed Box Camera Housing
- Side Opening for easy install and maintenance
- IP67 Weatherproof
- 3 Year Anti-Corrosion Warranty
- Compatible with all IC Realtime box cameras
- External Dimensions without Bracket: Depth 405mm x Width 130mm x Height 150mm

OPTIONAL BRACKETS FOR ICR-H2 HOUSING RANGE

ICR-H2CM   Corner Mount
ICR-H2PM   Pole Mount
ICR-H2-EXTARM   450mm Extension Arm

RECORDER ENCLOSURES

LOCKABLE RECORDER ENCLOSURE

ENCL-LARGE

External Dimensions:	Depth 540mm x Width 510mm x Height 124mm
Internal Dimensions:	Depth 510mm x Width 506mm x Height 103mm
Weight:	7.9kg

LOCKABLE RECORDER ENCLOSURE WITH FANS

ENCL-LARGE-FAN

External Dimensions:	Depth 540mm x Width 510mm x Height 124mm
Internal Dimensions:	Depth 510mm x Width 478mm x Height 103mm
Weight:	7.9kg

LOCKABLE RECORDER ENCLOSURE WITH REMOVABLE LID

ENCL-LARGE-3S

External Dimensions:	Depth 567mm x Width 516mm x Height 167mm
Internal Dimensions:	Depth 560mm x Width 506mm x Height 160mm
Weight:	9.6kg

LOCKABLE RECORDER ENCLOSURE WITH REMOVABLE LID AND FANS

ENCL-LARGE-3S-FAN

External Dimensions:	Depth 567mm x Width 516mm x Height 167mm
Internal Dimensions:	Depth 560mm x Width 506mm x Height 160mm
Weight:	9.6kg

MONITOR BRACKETS

28032R

200 x 200 (Max) VESA Monitor Bracket with tilt and swivel actions.

28034R

200 x 200 (Max) VESA Monitor Bracket with Single Arm Support.

28036R

200 x 200 (Max) VESA Monitor Bracket Dual Arm Support.

EXTENDERS

HDX60P

HDMI Extension up to 60m over a single CAT5e/6/7 cable, supports up to 1080P Resolution.

USB-50MEXT

Passive Plug and Play USB Extension Balun, up to 50m distance.

VGA-2-CVBS

VGA to CVBS Converter for converting VGA outputs on recorders to Analogue for BNC type monitors or pre-existing coax cable going to monitors.

NOTE: Powered by USB and you may require USB power plug (depending on what recorder you have). The Female Phono plug can be converted to BNC by using "CON-FBNC-MRCA".

LENSES

IC-L2712-3MP

3MP Rated 2.7-12mm Vari-Focal lens for Box CCD Cameras.

IC-L550-3MP

3MP Rated 2.7-12mm Vari-Focal lens for Box CCD Cameras.

WIFI

USB Wi-Fi Dongle for Recorders.

Prior to purchasing please ask our support team if USB Wi-Fi is supported on the recorder firmware.

CABLES

NETWORKING CABLE	RG59 CABLE	ALARM CABLE	EXTENSION / PATCH CABLES	CAT5 PATCH CABLES
CAB-CAT5E-305M	IC-RG-59+2	CAB-AL-4C-W-100M	CAB-1MX4	GREY PATCH CABLES
305m (Boxed) CAT5E Cable, PVC Outer Sheath	250m (Coil) of High Quality RG59 + 2 Core Power	100m of 4 Core Alarm Cable – White	4 x 1m Pre-Made BNC Patch Cables	0.5m CAB-CAT5E-PG-0.5M 1m CAB-CAT5E-PG-1M 2m CAB-CAT5E-PG-2M 3m CAB-CAT5E-PG-3M 5m CAB-CAT5E-PG-5M 10m CAB-CAT5E-PG-10M
CAB-CAT5E-EX-305M	CAB-RG59-BU-100M	CAB-AL-4C-B-100M	VGA-5m	RED PATCH CABLES
305m (Drum) CAT5E Duct Grade External	100m (Coil) RG59/BU	100m of 4 Core Alarm Cable – Brown	5m High Quality VGA Cable	
CAB-CAT5-PE-500M	CAB-RG59-BU-200M	CAB-AL-6C-W-100M	USB-5m	0.5m CAB-CAT5E-PR-0.5M 1m CAB-CAT5E-PR-1M 2m CAB-CAT5E-PR-2M 3m CAB-CAT5E-PR-3M 5m CAB-CAT5E-PR-5M 10m CAB-CAT5E-PR-10M
500m (Coil) CAT5E PE Duct Grade	200m (Coil) RG59/BU	100m of 6 Core Alarm Cable – White	5m USB Extension Cable	
CAB-CAT6-LSOH-305M		CAB-AL-8C-W-100M		HDMI CABLES
305m (Drum) CAT6 LSOH Solid Core Cable		100m of 8 Core Alarm Cable – White		5m HDMI-5M 10m HDM10E 15m HDM15E 20m HDM20E
		CAB-AL-8C-B-100M		
		100m of 8 Core Alarm Cable – Brown		

CONNECTORS/ TOOLS/ ACCESSORIES

NETWORK	BNC	TOOLS/ COMPRESSION/ DC
TOOL-RJ45CRIMP	**CON-BNC-100**	**TOOL-STRKIT**
RJ45 / RJ11 CRIMP TOOL	100 x 3PC BNC CRIMP CONNECTOR FOR RG-59	25 x OF BNCM 59, 1 x OF BNC COMPRESSION POCKET TOOL, 1 x OF CABLE STRIPPER RG6/59 WITH SPANNER
CON-RJ45-8P8C-10PK	**CON-BNC-BOOT**	**CON-BNCM-59**
10 x RJ45 PLUGS FOR ROUND CABLES	10 x BNC PROTECTION BOOTS	50 x RG-59 COMPRESSION CONNECTOR
CON-RJ45-BOOT	**CON-FBNC-FBNC**	**TOOL-RG59CRIMP**
10 x BLACK RJ45 PROTECTION BOOTS	10 x BNC T ADAPTER CONNECTOR	RG-59 CRIMP TOOL
CON-RJ45-COUPLER	**CON-FBNC-MRCA**	**CON-DCM-10PK**
10 x RJ45 COUPLER	10 x FEMALE BNC TO MALE RCA CONNECTOR	10 x MALE DC PLUGS
	CON-BNC-T	**CON-DCF-10PK**
	10 x BNC T ADAPTER CONNECTOR	10 x FEMALE DC PLUGS

MICROPHONES AND RACK TRAY

Omni-Directional, High Fidelity Ceiling or Wall Mountable Microphone

- 5-100m^2 Coverable Area
- -45 ~ -15dB Adjustable Sensitivity
- ALC (Automatic Level Control), DSP, AGC
- Easy Install
- Works with any camera or recorder with Audio Input (Mic has RCA Male Connection)
- 12vDC (50~100mA) Power Requirements
- -30°C+70° operating temperature
- ø78mm x 26mm Size / 73g Weight

Omni-Directional, High Fidelity Pinhole Microphone

- 5-40m^2 Coverable Area
- -45 ~ -20dB Adjustable Sensitivity
- ALC (Automatic Level Control)
- Easy Install
- Works with any camera or recorder with Audio Input (Microphone has a RCA Male Connection)
- 12vDC (50~100mA) Power Requirements
- -30°C+70° Operating Temperature
- 63 x 30 x 22mm Size / 34g Weight

Rack Mountable Tray for desktop based recorders

- Compatible with all 1U 260mm, 325mm and 375mm recorders
- 482.6mm (Wide) x 281.2mm (Depth) x 43.7mm (High)
- Commercial cold rolled steel quality (SPCC)

OPTICAL FIBER TRANSMISSION FOR HDCVI

	OPTICAL-102-T (Camera Side)	OPTICAL-102-R (Recorder Side)	OPTICAL-2410-T (Camera Side)	OPTICAL-2410-R (Recorder Side)	OPTICAL-2910-T (Camera Side)	OPTICAL-2910-R (Recorder Side)
FIBER PORT	FC (Single Mode)	FC (Single Mode)	FC (Single Mode)	FC (Single Mode)	SFP+ (Single Mode)	SFP+ (Single Mode)
BNC	1	1	4	4	16	16
RS-485	–	–	1	1	2	2
TRANSMISSION DISTANCE	0~20 km	0~20 km	0~20 km	0~20 km	0~20 km	0~20 km
VIDEO FORMAT	HDCVI (720/1080p)	HDCVI (720/1080p)	HDCVI (720/1080p)	HDCVI (720/1080p)	HDCVI (720/1080p)	HDCVI (720/1080p)
IN/OUT WAVE LENGTH	1310nm / 1550nm	1550nm / 1310nm	1310nm / 1550nm	1550nm / 1310nm	1310nm / 1550nm	1550nm / 1310nm
IN/OUT IMPEDANCE	75Ω	75Ω	75Ω	75Ω	75Ω	75Ω
SAMPLING BANDWIDTH	10 bit	10 bit	10 bit	10 bit	10 bit	10 bit
INSTALLATION	Wall Mount	Wall Mount	DIN Rail	DIN Rail	Rack Mount	Rack Mount
POWER	12v DC	12v DC	12v DC	12v DC	12v DC	12v DC
WEIGHT	0.2 KG	0.2 KG	0.48 KG	0.48 KG	3.39 KG	3.39 KG
SIZE	105 x 96 x 30mm	105 x 96 x 30mm	100 x 150 x 30mm	100 x 150 x 30mm	440 x 300 x 44mm	440 x 300 x 44mm
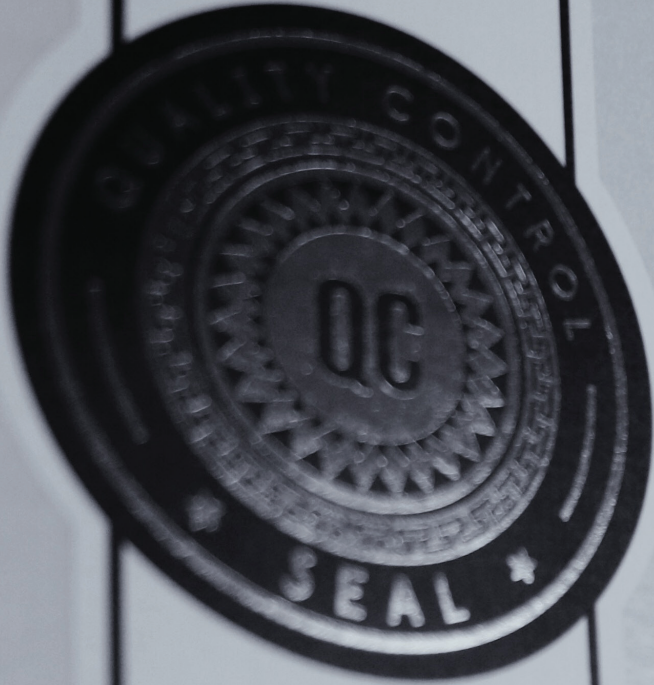
RECORDER NAMING GUIDE : FUSION-6s-216

(BRAND)	(SERIES)	SATAs	CHANNELS
▼	▼	▼	▼

wave

Fusion

BREEZE

SIROCCO

STORM

(SERIES)
- 3s
- 4s
- 5x
- 5s
- **6s**

SATAs
# of SATA Ports
1-24

2

CHANNELS
# of Video Channels
4-64

16

● SELECTED

● UNSELECTED

CAMERA NAMING GUIDE : QUANTUM-2s-BM2-AXO

(BRAND)	(SERIES)	(TYPE)	(LENS)	(RESOLUTION)	(FEATURES)	(RATING)	(COLOUR)
GENESIS	1s	**D** Dome	**M** Motorised	1 1MP	IX 50 + M IR	**O** IP Rating	B Black
NEXGEN	**2s**	**B** Bullet	F Fixed	**2** 2MP	I IR	V IP & Vandal Rating	W White
OPTIC		X Box	O Optical	3 3MP	A ANPR		
Zenon		P PTZ	P Panoramic	4 4MP	**AX** Long Range ANPR		
QUANTUM		C Covert	V Vari-Focal	6 6MP			
ULTRA			C C/CS Mount	8 8MP			
				12 12MP			

- ● **SELECTED**
- ● **UNSELECTED**

63

IC RSS SMART

FREE

LIVE VIEWING

- Operate 4 fully customised windows simultaneously
- View up to 64 live view streams simultaneously
- Fisheye Dewarp supported on live streams
- Virtual PTZ control by mouse supported
- Instant snapshot, live record, audio listen, audio talk and digital zoom available on each live view window
- Quickly save tours when in live viewing mode
- 4K cameras supported
- H.265 stream support

PLAYBACK

- Playback up to 36 synchronous cameras
- Search by time or event via the intuitive timeline of events
- Instant playback available when in live view mode
- Playback multiple stream types
- Fisheye Dewarp available when in playback
- Download recordings as well as easily review backed up local recordings

OTHER

- Digital maps supported, upload site drawings and find cameras easily with the built in map feature
- Automated alarm responses for events such as motion, camera masking, video loss, HDD errors or alarm inputs
- Account management incorporated for easy management of users
- Device configuration supported, easily configure camera settings from live view as well as configuration of the complete device
- Software log that stores all user's activities.
- Status log that tracks device health

DEVICES

- 256 devices supported
- 2000 video channels supported
- All IC Realtime IP Devices are supported via this one platform
- Auto Search of LAN devices for easy adding of devices.
- Import and Export also supported for easy maintenance

 OS
Made for Mac OS

Windows

Stream up to 64 Live Streams on 4 Separate Monitors

Performance of the Smart ICRSS is dependent on the PC / Mac Specification and bandwidth available on the network

IC View is the FREE user friendly version of our ICRSS Pro application for IC Realtime networked devices:

4 Window Live Viewing

Full PTZ Control

icDDNS Service

P2P Service

Live Audio Supported

Free Support

ICRSS Pro is the premium application for IC Realtime networked devices. ICRSS Pro has the following features:

Stream up to 16 windows

Playback on 16 windows

Instant Playback from live

Video Clips and Snapshots

E-Map

PTZ Control

Bi-Directional Audio Supported

Push Notifications

P2P Service

Free Support

*Streaming performance of IC VIEW & ICRSS Pro is dependent on the device and bandwidth available

IC REALTIME®

EMEA

IC Realtime,
12 Knockmitten Lane,
Western Industrial Estate,
Dublin 12, D12 YPH9,
Ireland.

EUROPE
P: +353 (0) 1 4268275
Sales: sales@icrealtime.eu
Support: support@icrealtime.eu
Web: www.icrealtime.eu

UK
P: +44 (0) 33 0808 5066
Sales: sales@icrealtime.co.uk
Support: support@icrealtime.co.uk
Web: www.icrealtime.co.uk

USA EAST COAST

IC Realtime,
LLC, 3050 N Andrews Ave EXT,
Pompano Beach,
FL 33064,
USA

P: (954) 772 5327
Sales: info@icrealtime.com
Support: support@icrealtime.com
Web: www.icrealtime.com

USA WEST COAST

IC Realtime
14180 W Van Buren Street,
Suite B-105,
Goodyear, AZ 85338,
USA

P: (602) 910 3432
Sales: info@icrealtime.com
Support: support@icrealtime.com
Web: www.icrealtime.com