Brickcom

2013

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BRICKCOM BUYING GUIDE



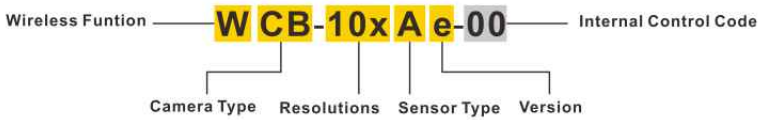
EXPERT IN WIRELESS IP SURVEILLANCE

Brickcom

Brickcom Corporation is a leading network video manufacturer in the IP surveillance industry. Dedicated to providing the best IP surveillance solutions, the company is strategically located worldwide to provide prompt quality service. Brickcom has a solid foundation in engineering quality network video equipment with a Research and Development Department that has been producing wireless broadband networking equipment for over twenty years.

We are focused on becoming the world's leading provider of network surveillance solutions. By providing a “One Stop Shop” for all network video security needs, Brickcom technology combines the know-how of broadband wireless networking, optical image processing, and networking surveillance to launch state-of-the-art surveillance solutions with unlimited worldwide applications.

Camera Naming Rule



Camera Type	
Fixed Box	FB
Mini Box	MB
Fixed Dome	FD
Cube	CB
Bullet	OB
Vandal Dome	VD
Mini Dome	MD
PTZ	PZ
Speed Dome	OSD

Sensor Type	
CMOS	A
CCD Progressive	B
CMOS WDR	C
CCD Interlaced (NTSC)	D
CCD Interlaced (PAL)	E
CMOS Sony	N

Resolutions	
D1	04x
1M	10x
1.3M	13x
2M	20x
3M	30x
5M	50x

Wireless Funtion	
no	
WiFi	W
3G/3.5G	G

Version	
Fixed Lens	
Economy	
Professional	
Advanced	

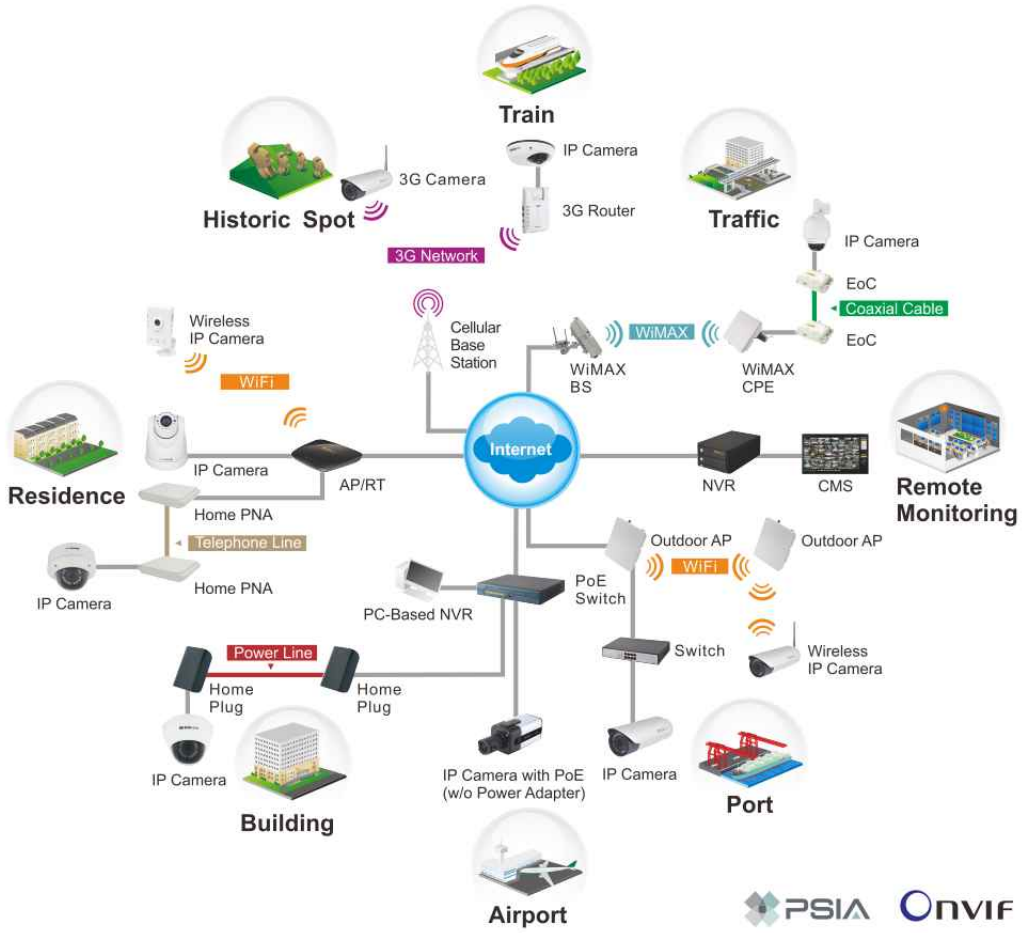
Example: CB-100Ae-00	
Cube	CB
1M	10x
CMOS	A
Economy	e
Internal Control Code	00

BrickOne Solution®

(Cameras + Network Equipment + Video Management System)

Full HD 1080P 30fps | 3G/4G | Home Plug | Home PNA | MoCA

Network Cameras	Wired / Wireless / 3G, VGA,D1,1M,1.3M, 2M, 3M, 4M, 5M, WDR, Indoor/Outdoor, Vandal Proof, IP67, All the Cameras Accessories
Network Equipment	Switch / PoE Switch, WiMAX CPE/BS, MoCA Bridge, HPNA Bridge Power Line Bridge, Wireless AP/Router, 3G Router, Video Server
Video Management System	Standalone NVR, PC-NVR, CMS (PC-Base)



PSIA ONVIF b/g/n WiFi

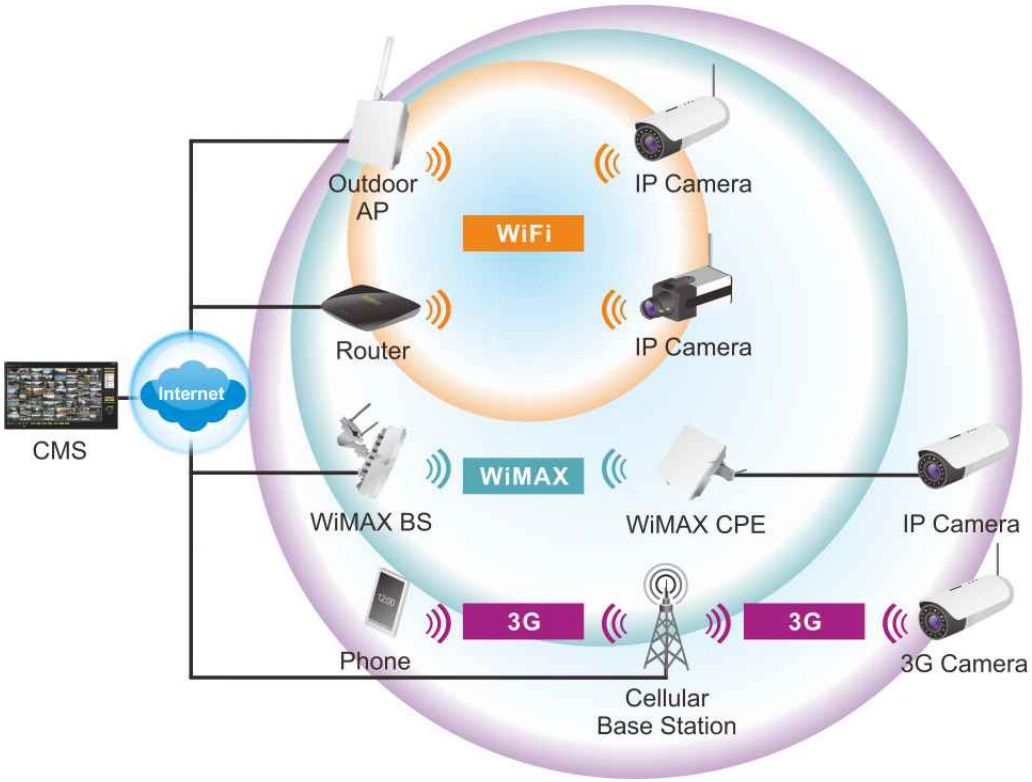
Wireless Solution

WiFi | 4G WiMAX/ LTE | 3G UMTS HSUPA

WiFi
- Range: 400m
- Effective Throughput: 75Mbps

WiMAX
- Range: Anywhere (Line-of-sight Distance: 8km)
- Effective Throughput: 40Mbps

3G
- Range: Anywhere
- Effective Throughput: 700Kbps

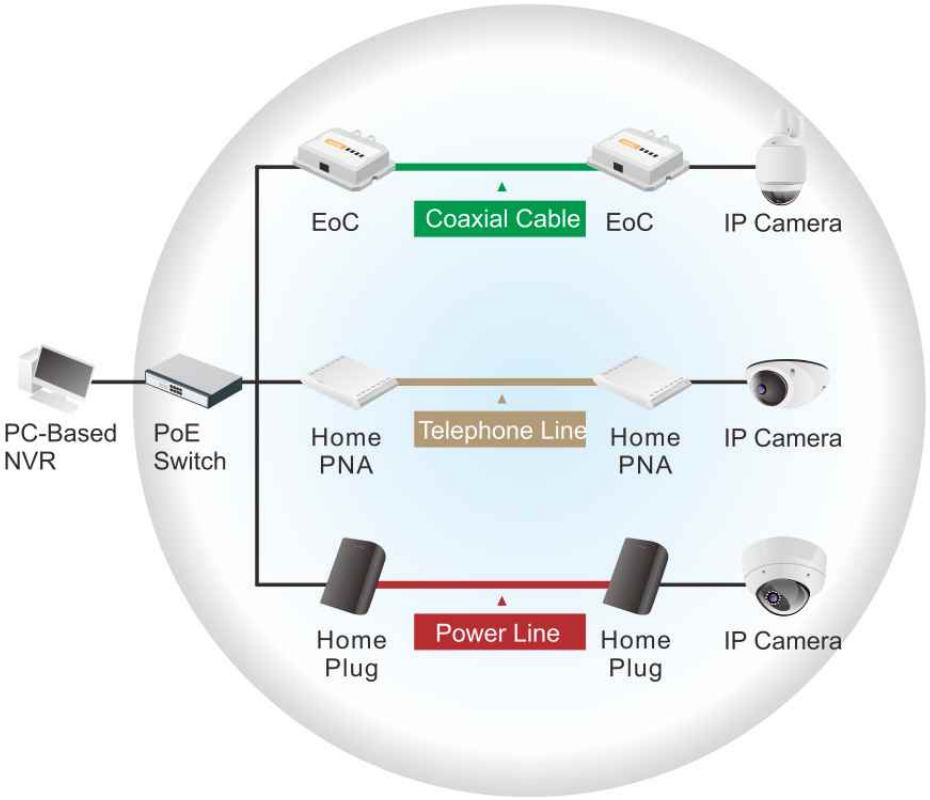


Wired Solution

Home Plug | Home PNA | MoCA

Ethernet over
Coaxial Cable / Power Line / Telephone Line

- Extended PoE over 300m



5 Megapixel Camera Series

HDTV
1080P
30fps

	CB-500Ap / WCB-500Ap	CB-502Ap / WCB-502Ap	MB-500Ap / WMB-500Ap	FB-500Ap	FD-500Ap (new)	FD-502Ap (new)	VD-500Ap
							
Hardware							
Flash/Memory	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB
Image sensor	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Sensor Size/Res	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS
S/N Ratio	38.1dB	38.1dB	38.1dB	38.1dB	38.1dB	38.1dB	38.1dB
Shuttler Speed	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s
Max. Resolution	2592x1944	2592x1944	2592x1944	2592x1944	2592x1944	2592x1944	2592x1944
Lens Included	Yes	Optinal	Yes	No	Yes	Yes	Yes
Lens Mount	Board Mount	CS Mount	Board Mount	CS Mount	Board Mount	Board Mount	Board Mount
Focal Length	f=6.34mm	f=4.05mm	f=4.00mm	-	f=3~10.5mm	f=3.3~10.5mm	f=3~10.5mm
F value	F2.8	F1.5	F1.6	-	F1.4	F1.4	F1.4
Lens View Angle H/V/D	50°/38°/60°	78°/61°/96°	90°/67°/112°	-	95°~33°/70°~25°/120°~41°	90°~33°/65°~25°/115°~41°	95°~33°/70°~25°/120°~41°
Min. Illumination	1 lux(F2.8,BW) 2 lux(F2.8,Color)	1 lux(F1.5,BW) 2 lux(F1.5,Color)	1 lux(F1.6,BW) 2 lux(F1.6,Color)	0.8 lux(F1.3,BW) 2 lux(F1.3,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)
Auto Iris Support	No	No	No	Yes	Yes	Yes	Yes
Infradred LED/Distance	-	-	30pcs/15m	-	12pcs/10m	12pcs/10m	12pcs/10m
Mechanical ICR	-	-	Yes	Yes	-	-	-
PIR/While LED	Yes	Yes	-	-	-	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	25 (1M 720p), 25 (2M 1080p), 18 (3M), 14 (4M), 9 (5M)	25 (1M 720p), 25 (2M 1080p), 18 (3M), 14 (4M), 9 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)
Audio (G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Streaming	2 way	2 way	2 way	2 way	2 way	2 way	2 way
Audio In/Out	-	-	-	Yes	Yes	Yes	Yes
Built-Microphone/speaker	Yes	Yes	Yes	-	-	-	-
DI/DO IO Port	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)
RS485	-	-	-	Yes	-	-	-
Analog Video Out	-	-	-	Yes	-	-	-
Wireless	802.11 a/b/g/n Dual Band*	802.11 a/b/g/n Dual Band*	802.11 a/b/g/n Dual Band*	-	-	-	-
HW WPS Button	Yes*	Yes*	Yes*	-	-	-	-
Local storage	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G
Enviroment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor (IP67)
Power Input/ Opertating Temperature	DC 12V (0°C ~ 50°C)* 802.3af PoE (0°C ~ 50°C)	DC 12V (0°C ~ 50°C)* 802.3af PoE (0°C ~ 50°C)	DC 12V (0°C ~ 50°C)* 802.3af PoE (0°C ~ 50°C)	DC 12V (0°C ~ 50°C) 802.3af PoE (0°C ~ 50°C)	DC 12V/802.3af PoE (0°C ~ 50°C)	DC 12V/802.3af PoE (0°C ~ 50°C)	DC 12V/802.3af PoE (-20°C ~ 50°C) 802.3at PoE (-40°C ~ 50°C)
Operating Humidity	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%
Others							
	*(WCB-500A)	*(WCB-502A)	*(WMB-500A)		SmartFocus Support 3 axis design Motorized-Lens	3 axis design Vari-Focal-Lens	SmartFocus Support 3 axis design, IK10 Motorized-Lens

	5 Megapixel Camera Series				3 Megapixel Camera Series		
HDTV 1080P 30fps	VD-502Ap	MD-500Ap	OB-500Ap WOB-500Ap GOB-500Ap	OB-502Ap WOB-502Ap GOB-502Ap	CB-300Ap / WCB-300Ap	CB-302Ap / WCB-302Ap	MB-300Ap / WMB-300Ap
							
	P	3G/4G P	WiFi 3G P	WiFi 3G P	WiFi 3G P	WiFi 3G P	WiFi 3G P
Hardware							
Flash/Memory	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB
Image sensor	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Sensor Size/Res	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS
S/N Ratio	38.1dB	38.1dB	38.1dB	38.1dB	38.1dB	38.1dB	38.1dB
Shuttler Speed	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s
Max. Resolution	2592x1944	2592x1944	2592x1944	2592x1944	2048x1536	2048x1536	2048x1536
Lens Included	Yes	Yes	Yes	Yes	Yes	Optional	Yes
Lens Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount	CS Mount	Board Mount
Focal Length	f=3.3~10.5mm	f=4.00mm	f=3~10.5mm	f=3.3~10.5mm	f=6.34mm	f=4.05mm	f=4.00mm
F value	F1.4	F1.6	F1.4	F1.4	F2.8	F1.5	F1.6
Lens View Angle H/V/D	90°~33°/65°~25°/115°~41°	90°/67°/112°	95°~33°/70°~25°/120°~41°	90°~33°/65°~25°/115°~41°	40°/30°/50°	63°/48°/78°	66°/49°/85°
Min. Illumination	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	1 lux (F1.6,BW) 2 lux(F1.6,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	1 lux(F2.8,BW) 2 lux(F2.8,Color)	1 lux(F1.5,BW) 2 lux(F1.5,Color)	1 lux(F1.6,BW) 2 lux(F1.6,Color)
Auto Iris Support	Yes	No	Yes	Yes	No	No	No
Infradred LED/Distance	12pcs/10m	-	24pcs/15m	24pcs/15m	-	-	30pcs/15m
Mechanical ICR	-	-	-	-	-	-	Yes
PIR/While LED	-	-	-	-	Yes	Yes	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M)	30 (1M 720p), 30 (2M 1080p), 18 (3M)	30 (1M 720p), 30 (2M 1080p), 18 (3M)
Audio (G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Streaming	2 way	1 way	2 way	2 way	2 way	2 way	2 way
Audio In/Out	Yes	-	Line Input/ Line Output	Line Input/ Line Output	-	-	-
Built-Microphone/speaker	-	Built-Microphone	-	-	Yes	Yes	Yes
DI/DO IO Port	Yes(1/1)	-	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)
RS485	-	-	Yes	Yes	-	-	-
Analog Video Out	-	Yes	Yes	Yes	-	-	-
Wireless	-	-	Yes (for WOB Option)	Yes (for WOB Option)	802.11 a/b/g/n Dual Band*	802.11 a/b/g/n Dual Band*	802.11 a/b/g/n Dual Band*
HW WPS Button	-	-	Yes (for WOB Only)	Yes (for WOB Only)	Yes*	Yes*	Yes*
Local storage	SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G
Enviroment	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Indoor	Indoor	Indoor
Power Input/ Opertating Temperature	DC 12V/802.3af PoE (-20°C ~ 50°C) 802.3at PoE (-40°C ~ 50°C)	DC 12V/ M12(-20°C ~ 50°C) 802.3af PoE (-20°C ~ 50°C)	DC 12V / 802.3af PoE(-20°C~50°C) 802.3at PoE(-40°C~50°C)	DC 12V / 802.3af PoE(-20°C~50°C) 802.3at PoE(-40°C~50°C)	DC 12V (0°C ~ 50°C)* 802.3af PoE (0°C ~ 50°C)	DC 12V (0°C ~ 50°C)* 802.3af PoE (0°C ~ 50°C)	DC 12V (0°C ~ 50°C)* 802.3af PoE (0°C ~ 50°C)
Operating Humidity	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%
Others							
	3 axis design, IK10 Vari-Focal-Lens	EN50155,IK10 3G support (Option) M12 Lens Changeable	802.11 a/b/g/n Dual Band(for WOB) UMTS/HSUPA 850/1900/2100(for GOB) Motorized-Lens	802.11 a/b/g/n Dual Band(for WOB) UMTS/HSUPA 850/1900/2100(for GOB) Vari-Focal-Lens	* (WCB-300A)	* (WCB-302A)	* (WMB-300A)

3 Megapixel Camera Series

HDTV
1080P
30fps

	FB-300Ap V3	FD-300Ap V3 (new)	FD-302Ap (new)	VD-300Ap V3	VD-302Ap	MD-300Ap	OB-300Ap WOB-300Ap GOB-300Ap
							
	3G P	P	P	P	P	3G/4G P	WiFi 3G P
Hardware							
Flash/Memory	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB
Image sensor	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Sensor Size/Res	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS
S/N Ratio	38.1dB	38.1dB	38.1dB	38.1dB	38.1dB	38.1dB	38.1dB
Shuttler Speed	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s
Max. Resolution	2048x1536	2048x1536	2048x1536	2048x1536	2048x1536	2048x1536	2048x1536
Lens Included	No	Yes	Yes	Yes	Yes	Yes	Yes
Lens Mount	CS Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount
Focal Length	-	f=3~10.5mm	f=3.3~10.5mm	f=3~10.5mm	f=3.3~10.5mm	f=4.00mm	f=3~10.5mm
F value	-	F1.4	F1.4	F1.4	F1.4	F1.6	F1.4
Lens View Angle H/V/D	-	75°~26°/56°~20°/93°~32°	70°~26°/51°~20°/88°~32°	75~26°/56~20°/93°~32°	70°~26°/51°~20°/88°~32°	66°/49°/85°	75°~26°/56°~20°/93°~32°
Min. Illumination	0.8 lux(F1.3,BW) 2 lux(F1.3,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	1 lux (F1.6,BW) 2 lux(F1.6,Color)	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)
Auto Iris Support	Yes	Yes	Yes	Yes	Yes	No	Yes
Infradred LED/Distance	-	12pcs/10m	12pcs/10m	12pcs/10m	12pcs/10m	-	24pcs/15m
Mechanical ICR	Yes	-	-	-	-	-	-
PIR/While LED	-	-	-	-	-	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	30 (1M 720p), 30 (2M 1080p), 18 (3M)	25 (1M 720p), 25 (2M 1080p), 18 (3M)	25 (1M 720p), 25 (2M 1080p), 18 (3M)	30 (1M 720p), 30 (2M 1080p), 18 (3M)	30 (1M 720p), 30 (2M 1080p), 18 (3M)	30 (1M 720p), 30 (2M 1080p), 18 (3M)	30 (1M 720p), 30 (2M 1080p), 18 (3M)
Audio (G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Streaming	2 way	2 way	2 way	2 way	2 way	1 way	2 way
Audio In/Out	Yes	Yes	Yes	Yes	Yes	-	Line Input/ Line Output
Built-Microphone/speaker	-	-	-	-	-	Built-Microphone	-
DI/DO IO Port	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	-	Yes(1/1)
RS485	Yes	-	-	-	-	-	Yes
Analog Video Out	Yes	-	-	-	-	Yes	Yes
Wireless	-	-	-	-	-	-	Yes (for WOB Option)
HW WPS Button	-	-	-	-	-	-	Yes (for WOB Only)
Local storage	Micro SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G
Enviroment	Indoor	Indoor	Indoor	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)
Power Input/ Opertating Temperature	DC 12V (0°C ~ 50°C) 802.3af PoE (0°C ~ 50°C)	DC 12V/802.3af PoE (0°C ~ 50°C)	DC 12V/802.3af PoE (0°C ~ 50°C)	DC 12V/802.3af PoE(-20°C~50°C) 802.3at PoE(-40°C~50°C)	DC 12V/802.3af PoE (-20°C~50°C) 802.3at PoE (-40°C~50°C)	DC 12V/M12 (-20°C~50°C) 802.3af PoE (-20°C~50°C)	DC 12V/802.3af PoE (-20°C~50°C) 802.3at PoE (-40°C~50°C)
Operating Humidity	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%
Others							
		SmartFocus Support 3 axis design Motorized-Lens	3 axis design Vari-Focal-Lens	SmartFocus Support 3 axis design, IK10 Motorized-Lens	3 axis design, IK10 Vari-Focal-Lens	EN50155, IK10 3G support (Option) M12 Lens Changeable	802.11 a/b/g/n Dual Band (for WOB) UMTS/HSUPA 850/1900/2100 (for GOB) Motorized-Lens

3 Megapixel	3 Megapixel Camera N Series - Superior Low Lux						
HDTV 1080P 30fps	OB-302Ap WOB-302Ap GOB-302Ap	FB-300Np	VD-300Np (new)	VD-302Np	MD-300Np	OB-300Np WOB-300Np GOB-300Np (new)	OB-302Np WOB-302Np GOB-302Np
							
	3G P	3G P	P	P	3G/4G P	3G P	3G P
Hardware							
Flash/Memory	32MB/256MB	32MB/ 256MB	32MB/ 256MB	32MB/ 256MB	32MB/ 256MB	32MB/ 256MB	32MB/ 256MB
Image sensor	CMOS	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP
Sensor Size/Res	1/2.5" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
S/N Ratio	38.1dB	>50dB	>50dB	>50dB	>50dB	>50dB	>50dB
Shuttler Speed	1/20000 s ~ 1/5 s	1/24000 s ~ 1/5 s	1/10000 s ~ 1/5 s	1/24000 s ~ 1/5 s	1/10000 s ~ 1/5 s	1/10000 s ~ 1/5 s	1/10000 s ~ 1/5 s
Max. Resolution	2048x1536	2048x1536	2048x1536	2048x1536	2048x1536	2048x1536	2048x1536
Lens Included	Yes	No	Yes	Yes	Yes	Yes	Yes
Lens Mount	Board Mount	CS Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount
Focal Length	f=3.3~10.5mm	-	f=2.8 ~10mm	f=2.8 ~10mm	f=4mm	f=2.8 ~10mm	f=3.3 ~10.5mm
F value	F1.4	-	F1.3	F1.3	F1.6	F1.3	F1.4
Lens View Angle H/V/D	70°~26°/51°~20°/88°~32°	-	115°~32°/90°~24°/140°~40°	115°~32°/90°~24°/140°~40°	77°/58°/98°	115°~32°/90°~24°/140°~40°	82°~31°/60°~24°/104°~38°
Min. Illumination	0.8 lux(F1.4,BW) 2 lux(F1.4,Color)	0.2 lux(F1.3,BW) 1 lux(F1.3,Color)	0.3 lux(F1.3,BW) 0.1 lux(F1.3,Color)	0.3 lux(F1.3,BW) 1 lux(F1.3,Color)	0.01 lux(F1.6,BW) 0.3 lux(F1.6,Color)	0.3 lux(F1.3,B/W) 0.1 lux(F1.3,Color)	0.01 lux(F1.4,B/W) 0.1 lux(F1.4,Color)
Auto Iris Support	Yes	Yes	Yes	Yes	No	Yes	Yes
Infradred LED/Distance	24pcs/15m	-	12pcs/10m	12pcs/10m	-	24pcs/15m	24pcs/15m
Mechanical ICR	-	Yes	-	-	-	-	-
PIR/While LED	-	-	-	-	-	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	30 (1M 720p), 30 (2M 1080p), 18 (3M)	30 (1M 720p), 30 (2M 1080p), 15 (3M)	30 (1M 720p), 30 (2M 1080p), 20 (3M)	30 (1M 720p), 30 (2M 1080p),15 (3M)	30 (1M 720p), 30 (2M 1080p),20 (3M)	30 (1M 720p), 30 (2M 1080p),20 (3M)	30 (1M 720p), 30 (2M 1080p),20 (3M)
Audio (G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Streaming	2 way	2 way	2 way	2 way	1 way	2 way	2 way
Audio In/Out	Line Input/ Line Output	Yes	Yes	Yes	-	Line input/ Line Output	Line input/ Line Output
Built-Microphone/speaker	-	-	-	-	Built-Microphone	-	-
DI/DO IO Port	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	-	Yes(1/1)	Yes(1/1)
RS485	Yes	Yes	-	-	-	Yes	Yes
Analog Video Out	Yes	Yes	-	-	Yes	Yes	Yes
Wireless	Yes (for WOB Option)	-	-	-	-	Yes (for WOB Option)	Yes (for WOB Option)
HW WPS Button	Yes (for WOB Only)	-	-	-	-	Yes (for WOB Only)	Yes (for WOB Only)
Local storage	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G
Enviroment	Outdoor (IP67)	Indoor	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)
Power Input/ Opertating Temperature	DC 12V / 802.3af PoE(-20°C~50°C) 802.3at PoE(-40°C~50°C)	DC 12V (0°C ~ 50°C) 802.3af PoE (0°C ~ 50°)	DC 12V/802.3af PoE (-20°C ~ 50°C) 802.3at PoE (-40°C ~ 50°C)	DC 12V/802.3af PoE (-20°C ~ 50°C) 802.3at PoE (-40°C ~ 50°C)	DC 12V/ M12 (-20°C ~ 50°C) 802.3af PoE (-20°C ~ 50°C)	DC 12V/802.3af PoE (-20°C ~ 50°C) 802.3at PoE (-40°C ~ 50°C)	DC 12V/802.3af PoE (-20°C ~ 50°C) 802.3at PoE (-40°C ~ 50°C)
Operating Humidity	10%~80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%
Others							
	802.11 a/b/g/n Dual Band (for WOB) UMTS/HSUPA 850/1900/2100 (for GOB) Vari-Focal-Lens		SmartFocus Support 3 axis design, IK10 Motorized-Lens	3 axis design, IK10 Vari-Focal-Lens	EN50155, IK10 3G support (Option) M12 Lens Changeable	SmartFocus Support 802.11 a/b/g/n Dual Band (for WOB) UMTS/HSUPA 850/1900/2100 (for GOB)	802.11 a/b/g/n Dual Band (for WOB) UMTS/ HSUPA 850/1900/2100 (for GOB)

1.3 Megapixel Camera N Series - Superior Low Lux

WDR
HDTV
720P
30fps

	FB-130Np	WFB-130Np	FD-130Np	FD-132Np	VD-130Np	VD-132Np	OB-130Np
							
Hardware							
Flash/Memory	16MB/ 128MB	16MB/ 128MB	16MB/ 128MB	16MB/ 128MB	16MB/ 128MB	16MB/ 128MB	16MB/ 128MB
Image sensor	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP
Sensor Size/Res	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS
S/N Ratio	>50dB	>50dB	>50dB	>50dB	>50dB	>50dB	>50dB
Shuttler Speed	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s
Max. Resolution	1280x1024/ HDTV	1280x1024/ HDTV	1280x1024/ HDTV	1280x1024/ HDTV	1280x1024/ HDTV	1280x1024/ HDTV	1280x1024/ HDTV
Lens Included	No	No	Yes	Yes	Yes	Yes	Yes
Lens Mount	CS Mount	CS Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount
Focal Length	-	-	f=3~9mm	f=3~9mm	f=3~9mm	f=3~9mm	f=3.3mm~12mm
F value	-	-	F 1.2	F 1.2	F 1.2	F 1.2	F 1.6
Lens View Angle H/V/D	-	-	90°~30°/ 70°~22°/115°~38°	90°~30°/70°~22°/115°~38°	90°~30°/70°~22°/115°~38°	90°~30°/70°~22°/115°~38°	76°~33°/58°~27°/102°~42°
Min. Illumination	0.1 lux(F1.3,B/W) 0.5 lux(F1.3,Color)	0.1 lux(F1.3,B/W) 0.5 lux(F1.3,Color)	0.1 lux(F1.2,BW) 0.5 lux(F1.2,Color)	0.1 lux(F1.2,BW) 0.5 lux(F1.2,Color)	0.1 lux(F1.2,BW) 0.5 lux(F1.2,Color)	0.1 lux(F1.2,BW) 0.5 lux(F1.2,Color)	0.1 lux(F1.6,BW) 0.5 lux(F1.6,Color)
Auto Iris Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Infradred LED/Distance	-	-	12pcs/10m	12pcs/10m	12pcs/10m	12pcs/10m	24pcs/15m
Mechanical ICR	Yes	Yes	-	-	-	-	-
PIR/While LED	-	-	-	-	-	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)
Audio (G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Streaming	2 way	2 way	2 way	2 way	2 way	2 way	2 way
Audio In/Out	Yes	Yes	Yes	Yes	Yes	Yes	Line input/ Line Output
Built-Microphone/speaker	Built-Microphone	Built-Microphone	-	-	-	-	-
DI/DO IO Port	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)
RS485	Yes	Yes	-	-	-	-	Yes
Analog Video Out	-	-	-	-	-	-	-
Wireless	-	Yes	-	-	-	-	-
HW WPS Button	-	Yes	-	-	-	-	-
Local storage	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G
Enviroment	Indoor	Indoor	Indoor	Indoor	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)
Power Input/ Opertating Temperature	DC 12V/802.3af PoE (0°C ~ 50°)	DC 12V/802.3af PoE (0°C ~ 50°)	DC 12V/802.3af PoE (0°C ~ 50°)	DC 12V/802.3af PoE (0°C ~ 50°)	DC 12V/802.3af PoE (-20°C ~ 60°) 802.3at (-40°C ~ 60°)	DC 12V/802.3af PoE (-20°C ~ 60°) 802.3at (-40°C ~ 60°)	DC 12V/802.3af PoE (-20°C ~ 60°) 802.3at (-40°C ~ 60°)
Operating Humidity	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%
Others							
			SmartFocus Support 3 axis design Motorized-Lens	3 axis design Vari-Focal Lens	SmartFocus Support 3 axis design, IK10 Motorized-Lens	3 axis design, IK10 Vari-Focal Lens	SmartFocus Support Motorized-Lens

	1.3 Megapixel Camera N Series - Superior Low Lux					Megapixel Cube Series	
WDR HDTV 720P 30fps	OB-132Np	WOB-130Np	WOB-132Np	GOB-130Np	GOB-132Np	CB-100Ae (VGA) WCB-100Ae (VGA)	CB-100Ae
							
Hardware							
Flash/Memory	16MB/ 128MB	16MB/ 128MB	16MB/ 128MB	16MB/ 128MB	16MB/ 128MB	16MB/64MB	16MB/64MB
Image sensor	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	Sony Exmor™ CMOS Sensor & ISP	CMOS	CMOS
Sensor Size/Res	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/4" 1M CMOS	1/4" 1M CMOS
S/N Ratio	>50dB	>50dB	>50dB	>50dB	>50dB	39dB	39dB
Shuttler Speed	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s
Max. Resolution	1280x1024/ HDTV	1280x1024/ HDTV	1280x1024/ HDTV	1280x1024/ HDTV	1280x1024/ HDTV	640x480/VGA	1280x800/HDTV
Lens Included	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lens Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Lens	Board Lens
Focal Length	f=3~9mm	f=3.3m~12mm	f=3~9mm	f=3.3mm~12mm	f=3~9mm	f=3.60mm	f=3.60mm
F value	F 1.2	F 1.6	F 1.2	F 1.6	F 1.2	F2.3	F2.3
Lens View Angle H/V/D	90°~30°/70°~22°/115°~38°	76°~33°/58°~27°/102°~42°	90°~30°/70°~22°/115°~38°	76°~33°/58°~27°/102°~42°	90°~30°/70°~22°/115°~38°	56°/36°/64°	58°/38°/65°
Min. Illumination	0.1 lux(F1.2,BW) 0.5 lux(F1.2,Color)	0.1 lux(F1.6,BW) 0.5 lux(F1.6,Color)	0.1 lux(F1.2,BW) 0.5 lux(F1.2,Color)	0.1 lux(F1.6,BW) 0.5 lux(F1.6,Color)	0.1 lux(F1.2,BW) 0.5 lux(F1.2,Color)	1 lux(F2.3,B/W) 2 lux(F2.3,Color)	1 lux(F2.3,B/W) 2 lux(F2.3,Color)
Auto Iris Support	Yes	Yes	Yes	Yes	Yes	No	No
Infradred LED/Distance	24pcs/15m	24pcs/15m	24pcs/15m	24pcs/15m	24pcs/15m	-	-
Mechanical ICR	-	-	-	-	-	-	-
PIR/While LED	-	-	-	-	-	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)	30 (1M 720p), 25 (1.3M)	30 (H.264), 30 (MPEG-4) 30 (MJEPG)	15 (H.264),15 (MPEG-4) 15 (MJEPG)
Audio (G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Streaming	2 way	2 way	2 way	2 way	2 way	1 way	1 way
Audio In/Out	Line input/ Line Output	Line input/ Line Output	Line input/ Line Output	Line input/ Line Output	Line input/ Line Output	-	-
Built-Microphone/speaker	-	-	-	-	-	Built-in mic	Built-in mic
DI/DO IO Port	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	-	-
RS485	Yes	Yes	Yes	Yes	Yes	-	-
Analog Video Out	-	-	-	-	-	-	-
Wireless	-	Yes	Yes	UMTS/HSUPA 850/1900/2100(forGOB)	UMTS/HSUPA 850/1900/2100(forGOB)	Yes*	-
HW WPS Button	-	-	-	-	-	Yes*	-
Local storage	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	-	-
Enviroment	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Indoor	Indoor
Power Input/ Opertating Temperature	DC 12V/802.3af PoE (-20°C ~ 60°) 802.3at (-40°C ~ 60°)"	DC 12V/802.3af PoE (-20°C ~ 60°) 802.3at (-40°C ~ 60°)	DC 12V/802.3af PoE (-20°C ~ 60°) 802.3at (-40°C ~ 60°)	DC 12V/802.3af PoE (-20°C ~ 60°) 802.3at (-40°C ~ 60°)	DC 12V/802.3af PoE (-20°C ~ 60°) 802.3at (-40°C ~ 60°)	DC 12V (0°C ~ 50°C)	DC 12V (0°C ~ 50°C)
Operating Humidity	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%
Others							
		SmartFocus Support Motorized-Lens		SmartFocus Support Motorized-Lens		Max. mic range:12m * for WCB-100Ae (VGA)	Max. mic range:12m

	Megapixel Cube Series					Megapixel Fixed Box Series	
	WCB-100Ae	CB-102Ae	WCB-100Ap	CB-101Ap V2.1	CB-102Ap V2.1	FB-100Ap	WFB-100Ap
	 e	 e	 p	 3G Option p	 3G Option p	 p	 p
Hardware							
Flash/Memory	16MB/64MB	16M/128MB	16M/128MB	16M/128MB	16M/128MB	16M/128MB	16M/128MB
Image sensor	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Sensor Size/Res	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS
S/N Ratio	39dB	39dB	39dB	39dB	39dB	39dB	39dB
Shuttler Speed	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s
Max. Resolution	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV
Lens Included	Yes		Yes	Yes	Yes	No	No
Lens Mount	Board Lens	CS Mount	Board Lens	Board Lens	CS Mount	CS Mount	CS Mount
Focal Length	f=3.60mm	f=4mm	f=3.74mm	f=3.74mm	f=4mm	-	-
F value	F2.3	F1.3	F2.0	F2.0	F1.3	-	-
Lens View Angle H/V/D	58°/38°/65°	57°/35°/68°	56°/37°/62°	56°/37°/62°	57°/35°/68°	-	-
Min. Illumination	1 lux(F2.3,B/W) 2 lux(F2.3,Color)	2 lux(F1.3,B/W) 3lux(F1.3,Color)	1 lux (F2.0,B/W) 2 lux(F2.0,Color)	1 lux(F2.0,B/W) 2 lux(F2.0,Color)	2 lux(F1.3,B/W) 3 lux(F1.3,Color)	0.5 lux(B/W) 1 lux(Color)	0.5 lux(B/W) 1 lux(Color)
Auto Iris Support	No	No	No	No	No	Yes	Yes
Infradred LED/Distance	-	-	-	-	-	-	-
Mechanical ICR	-	-	-	-	-	Yes	Yes
PIR/While LED	-	-	Yes	Yes	Yes	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	15 (H.264), 15 (MPEG-4) 15 (MJEPG)	15 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)
Audio (G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Streaming	1 way	1 way	2 way	2 way	2 way	2 way	2 way
Audio In/Out	-	-	-	-	-	Yes	Yes
Built-Microphone/speaker	Built-in mic	Built-in mic	(Built-in mic & Speaker)	(Built-in mic & Speaker)	(Built-in mic & Speaker)	-	-
DI/DO IO Port	-	Yes	-	Yes	Yes	Yes	Yes
RS485	-	-	-	-	-	Yes	Yes
Analog Video Out	-	-	-	-	-	-	-
Wireless	Yes	-	Yes	-	-	-	Yes
HW WPS Button	Yes	-	Yes	-	-	-	Yes
Local storage	-	-	Micro SD/SDHC slot Max. 32GB	Micro SD/SDHC slot Max. 32GB	Micro SD/SDHC slot Max. 32GB	SD/SDHC Slot Max.32G	SD/SDHC Slot Max. 32G
Enviroment	Indoor	Indoor	Indoor	Indoor	Indoor	indoor	indoor
Power Input/ Opertating Temperature	DC 12V (0°C ~ 50°C)	DC 12V (0°C ~ 50°C) PoE802.3Af (0°C ~ 50°C)	DC 12V (0°C ~ 50°C)	DC 12V (0°C ~ 50°C) PoE802.3Af (0°C ~ 50°C)	DC 12V (0°C ~ 50°C) PoE802.3Af (0°C ~ 50°C)	DC 12V (0°C ~ 50°C) PoE802.3Af (0°C ~ 50°C)	DC 12V (0°C ~ 50°C) PoE802.3Af (0°C ~ 50°C)
Operating Humidity	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%
Others							
	Max. mic range:12m	Max. mic range:12m	Max. PIR range: 4m Max. mic range 12m	Max. PIR range: 4m Max. mic range 12m	Max. PIR range: 4m Max. mic range 12m	Max. mic range: 10m	Max. mic range: 10m

	Megapixel Fixed Dome Series				Megapixel Vandal Dome Series		
	FD-100Ae	FD-100Ap	FD-130Ae	FD-130Ap	VD-100Ae	VD-100Ap	VD-130Ae
	 e	 p	 e	 p	 e	 p	 e
Hardware							
Flash/Memory	16M/128MB	16M/128MB	16M/128MB	16M/128MB	16M/128MB	16M/128MB	16M/128MB
Image sensor	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Sensor Size/Res	1/4" 1M CMOS	1/4" 1M CMOS	1/3" 1.3M CMOS	1/3" 1.3M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/3" 1.3M CMOS
S/N Ratio	39dB	39dB	44dB	44dB	39dB	39dB	44dB
Shuttler Speed	1/18000 s ~ 1/4 s	1/18000 s ~ 1/4 s	1/18000 s ~ 1/4 s	1/18000 s ~ 1/4 s	1/18000 s ~ 1/4 s	1/18000 s ~ 1/4 s	1/18000 s ~ 1/4 s
Max. Resolution	1280x720/HDTV	1280x720/HDTV	1280x1024/HDTV	1280x1024/HDTV	1280x720HDTV	1280x720HDTV	1280x1024HDTV
Lens Included	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lens Mount	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens
Focal Length	f=3.3~10.5mm	f=3.3~10.5mm	f=3.3~10.5mm	f=3.3~10.5mm	f=3.3~10.5mm	f=3.3~10.5mm	f=3.3~10.5mm
F value	F1.4	F1.4	F1.4	F1.4	F1.4	F1.4	F1.4
Lens View Angle H/V/D	74~28°/42°~16°/86°~32°	74~28°/42°~16°/86°~32°	74~28°/56°~22°/95°~34°	74~28°/56°~22°/95°~34°	74~28°/42°~16°/86°~32°	74~28°/42°~16°/86°~32°	74~28°/56°~22°/95°~34°
Min. Illumination	0.5 lux(F1.4,B/W) 1 lux(F1.4Color)	0.5 lux(F1.4,B/W) 1 lux(F1.4Color)	0.5 lux(F1.4,B/W) 1 lux(F1.4Color)	0.5 lux(F1.4,B/W) 1 lux(F1.4Color)	0.5 lux(F1.4,B/W) 1 lux(F1.4Color)	0.5 lux(F1.4,B/W) 1 lux(F1.4Color)	0.5 lux(F1.4,B/W) 1 lux(F1.4Color)
Auto Iris Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Infradred LED/Distance	12PCS/10m	12PCS/10m	12PCS/10m	12PCS/10m	12PCS/10m	12PCS/10m	12PCS/10m
Mechanical ICR	-	-	-	-	-	-	-
PIR/While LED	-	-	-	-	-	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)	15 (MPEG-4), 15 (MJEPG)	20 (H.264), 20 (MPEG-4) 20 (MJEPG)	15 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)	15 (H.264), 20 (MPEG-4), 20 (MJEPG)
Audio (G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Streaming	2 way	2 way	2 way	2 way	2 way	2 way	2 way
Audio In/Out	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Built-Microphone/speaker	-	-	-	-	-	-	-
DI/DO IO Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RS485	-	-	-	-	-	-	-
Analog Video Out	-	-	-	-	-	-	-
Wireless	-	-	-	-	-	-	-
HW WPS Button	-	-	-	-	-	-	-
Local storage	-	-	-	-	-	SD/SDHC Slot Max.32G	-
Enviroment	indoor	indoor	indoor	indoor	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)
Power Input/ Opertating Temperature	DC 12V (0°C ~ 50°C) PoE802.3Af (0°C ~ 50°C)	DC 12V (0°C ~ 50°C) PoE802.3Af (0°C ~ 50°C)	DC 12V (0°C ~ 50°C) PoE802.3Af (0°C ~ 50°C)	DC 12V (0°C ~ 50°C) PoE802.3Af (0°C ~ 50°C)	DC 12V/PoE802.3Af (-20°C ~ 50°C)	DC 12V/PoE802.3af (-20°C ~ 50°C) PoE802.3at (-40°C ~ 60°C)	DC 12V/PoE802.3Af (-20°C ~ 50°C)
Operating Humidity	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%
Others							
	3 axis design	3 axis design	3 axis design	3 axis design	3 axis design IK10	3 axis design IK10	3 axis design IK10

	Vandal Dome	Megapixel Mini Dome Series		Megapixel Bullet Series			
	VD-130Ap	MD-100Ae	MD-100Ap	OB-100Ae	OB-100Ap	WOB-100Ap	GOB-100Ap
	 P	 e	 3G Option P	 e	 P	 P	 3G P
Hardware							
Flash/Memory	16M/128MB	16M/128MB	16M/128MB	16M/128MB	16M/128MB	16M/128MB	16M/128MB
Image sensor	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Sensor Size/Res	1/3" 1.3M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS
S/N Ratio	44dB	39dB	39dB	39dB	39dB	39dB	39dB
Shuttler Speed	1/18000 s ~ 1/4 s	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s	1/20000 s ~ 1/8 s
Max. Resolution	1280x1024HDTV	1280x800/HDTV	1280x800/HDTV	1280x800HDTV	1280x800HDTV	1280x800HDTV	1280x800HDTV
Lens Included	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lens Mount	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens
Focal Length	f=3.3~10.5mm	f=2.86mm	f=2.86mm	f=3.3~12mm	f=3.3~12mm	f=3.3~12mm	f=3.3~12mm
F value	F1.4	F2.0	F2.0	F1.6	F1.6	F1.6	F1.6
Lens View Angle H/V/D	74~28°/56°~22°/95°~34°	82°/50°/104°	82°/50°/104°	70°~22°/42°~14°/85°~25°	70°~22°/42°~14°/85°~25°	70°~22°/42°~14°/85°~25°	70°~22°/42°~14°/85°~25°
Min. Illumination	0.5 lux(F1.4,B/W) 1 lux(F1.4Color)	6 lux(F2.0,B/W) 7 lux(F2.0,Color)	6 lux(F2.0,B/W) 7 lux(F2.0,Color)	0.5 lux(F1.6,B/W) 1 lux(F1.6,Color)	0.5 lux(F1.6,B/W) 1 lux(F1.6,Color)	0.5 lux(F1.6,B/W) 1 lux(F1.6,Color)	0.5 lux(F1.6,B/W) 1 lux(F1.6,Color)
Auto Iris Support	Yes	No	No	Yes	Yes	Yes	Yes
Infradred LED/Distance	12PCS/10m	-	-	24PCS/15m	24PCS/15m	24PCS/15m	24PCS/15m
Mechanical ICR	-	-	-	-	-	-	-
PIR/While LED	-	-	-	-	-	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	20 (H.264), 20 (MPEG-4) 20 (MJEPG)	15 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)	15 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)	30 (H.264), 15 (MPEG-4) 30 (MJEPG)
Audio (G.711/AMR)	Yes	No	Yes	Yes	Yes	Yes	Yes
Audio Streaming	2 way	-	1 way	2 way	2 way	2 way	2 way
Audio In/Out	Yes	-	-	Line input/ Line Output	Line input/ Line Output	Line input/ Line Output	Line input/ Line Output
Built-Microphone/speaker	-	-	Built-in mic	-	-	-	-
DI/DO IO Port	Yes	-	-	Yes	Yes	Yes	Yes
RS485	-	-	-	Yes	Yes	Yes	Yes
Analog Video Out	-	-	-	-	-	-	-
Wireless	-	-	-	-	-	Yes	UMTS/HSUPA 850/1900/2100(forGOB)
HW WPS Button	-	-	-	-	-	-	-
Local storage	SD/SDHC Slot Max.32G	-	Micro SD/SDHC slot Max. 32GB	-	Micro SD/SDHC slot Max. 32GB	Micro SD/SDHC slot Max. 32GB	Micro SD/SDHC slot Max. 32GB
Enviroment	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)
Power Input/ Opertating Temperature	DC 12V/PoE802.3af (-20°C ~ 50°C) PoE802.3at (-40°C ~ 60°C)	PoE802.3af(-20°C ~ 50°C)	PoE802.3af (-20°C ~ 50°C)	PoE 802.3af/ AC24V/ DC12V,1A (-20°C ~ 50°C)	PoE 802.3af (-20°C ~ 50°C) PoE 802.3at/DC48V,0.8A(-40°C~60°C)	PoE 802.3af (-20°C ~ 50°C) PoE 802.3at/DC48V,0.8A(-40°C~60°C)	PoE 802.3af (-20°C ~ 50°C) PoE 802.3at/DC48V,0.8A(-40°C~60°C)
Operating Humidity	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%
Others							
	3 axis design IK10	EN50155, IK10 M12 Connector Support	Max. mic range: 10m EN50155, IK10 3G Supported M12 Connector Support		SmartFocus Support IP67	SmartFocus Support IP67	SmartFocus Support IP67

360° Surround View Fisheye Mini Dome Network Camera

	MD-500Ap-360 new	MD-300Ap-360 new	MD-300Np-360 new	VD-500Af-360 new	MD-300Af-360 new	MD-300Nf-360 new
						
Hardware						
Flash/Memory	32MB/256MB	32MB/256MB	32MB/ 256MB	32MB/256MB	32MB/256MB	32MB/ 256MB
Image sensor	CMOS	CMOS	Sony Exmor™ CMOS Sensor & ISP	CMOS	CMOS	Sony Exmor™ CMOS Sensor & ISP
Sensor Size/Res	1/2.5" CMOS	1/2.5" CMOS	1/2.8" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.8" CMOS
S/N Ratio	38.1dB	38.1dB	>50dB	38.1dB	38.1dB	>50dB
Shuttler Speed	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/10000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/10000 s ~1/5 s
Max. Resolution	2592x1944	2048x1536	2048x1536	2592x1944	2048x1536	2048x1536
Lens Included	Yes	Yes	Yes	Yes	Yes	Yes
Lens Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount
Focal Length	f=1.05mm	f=1.05mm	f=1.05mm	f=1.05mm	f=1.05mm	f=1.05mm
F value	F=2.8	F=2.8	F=2.8	F=2.8	F=2.8	F=2.8
Lens View Angle H/V/D	180°	180°	180°	180°	180°	180°
Min. Illumination	1.5 lux(F2.8,B/W) 2.5 lux(F2.8,Color)	1.5 lux(F2.8,B/W) 2.5 lux(F2.8,Color)	0.3 lux(F2.8,B/W) 0.8 lux(F2.8,Color)	1.5 lux(F2.8,B/W) 2.5 lux(F2.8,Color)	1.5 lux(F2.8,B/W) 2.5 lux(F2.8,Color)	0.3 lux(F2.8,B/W) 0.8 lux(F2.8,Color)
Auto Iris Support	No	No	No	No	No	No
Infradred LED/Distance	-	-	-	-	-	-
Mechanical ICR	-	-	-	-	-	-
PIR/While LED	-	-	-	-	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M)	30 (1M 720p), 30 (2M 1080p), 20 (3M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p), 18 (3M)	30 (1M 720p), 30 (2M 1080p), 20 (3M)
Audio (G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes
Audio Streaming	1 way	1 way	1 way	-	-	1 way
Audio In/Out	-	-	-	-	-	-
Built-Microphone/speaker	Built-Microphone	Built-Microphone	Built-Microphone	-	-	Built-Microphone
DI/DO IO Port	-	-	-	-	-	-
RS485	-	-	-	-	-	-
Analog Video Out	Yes	Yes	Yes	Yes	Yes	Yes
Wireless	-	-	-	-	-	-
HW WPS Button	-	-	-	-	-	-
Local storage	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G
Enviroment	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP66)	Outdoor (IP66)	Outdoor (IP66)
Power Input/ Opertating Temperature	DC 12V /M12 (-20°C ~ 50°C) 802.3af PoE (-20°C ~ 50°C)	DC 12V / M12 (-20°C ~ 50°C) 802.3af PoE (-20°C ~ 50°C)	DC 12V/ M12 (-20°C ~ 50°C) 802.3af PoE (-20°C ~ 50°C)	DC 12V / 802.3af PoE (-20°C ~ 50°C)	DC 12V/ 802.3af PoE (-20°C ~ 50°C)	DC 12V/ 802.3af PoE (-20°C ~ 50°C)
Operating Humidity	10%~80%	10%~80%	10% ~ 80%	10%~80%	10%~80%	10% ~ 80%
Others						
	EN50155, IK10	EN50155, IK10	EN50155, IK10	IK10	IK10	IK10

1.3~5 Megapixel All-in-One Compact Cameras

HDTV
1080P
30fps

	OB-130Af / OB-200Af OB-300Af	OB-500Af	VD-130Af	VD-200Af / VD-300Af VD-500Af	VD-130Nf / VD-200Nf VD-300Nf	FD-101Af / FD-201Af FD-301Af / FD-501Af	VD-101Af / VD-201Af VD-301Af / VD-501Af
							
Hardware							
Flash/Memory	32MB/256MB	32MB/256MB	32MB/256MB	32MB/256MB	32MB/ 256MB	32MB/256MB	32MB/256MB
Image sensor	CMOS	CMOS	CMOS	CMOS	Sony Exmor™ CMOS Sensor & ISP	CMOS	CMOS
Sensor Size/Res	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.8" CMOS	1/2.5" CMOS	1/2.5" CMOS
S/N Ratio	38.1dB	38.1dB	38.1dB	38.1dB	>50dB	38.1dB	38.1dB
Shuttler Speed	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/10000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s
Max. Resolution	2048x1536	2592x1944	2592x1944	2592x1944	2048x1536	2592x1944	2592x1944
Lens Included	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lens Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount	Board Mount
Focal Length	f=4mm	f=6mm	f=2.86mm	f=4mm	f=4mm	f=4mm	f=4mm
F value	F1.6	F1.6	F 2.0	F1.6	F1.6	F1.6	F1.6
Min. Illumination	1 lux(F1.6,BW) 2 lux(F1.6,Color)	1 lux(F1.6,BW) 2 lux(F1.6,Color)	1 lux(F1.6,BW) 2 lux(F1.6,Color)	1 lux(F1.6,BW) 2 lux(F1.6,Color)	0.01 lux(F1.6,BW) 0.3 lux(F1.6,Color)	1 lux(F1.6,BW) 2 lux(F1.6,Color)	1 lux(F1.6,BW) 2 lux(F1.6,Color)
Auto Iris Support	No	No	No	No	No	No	No
Infradred LED/Distance	35pcs/20m	35pcs/20m	-	-	-	12pcs/10m	12pcs/10m
Mechanical ICR	Yes	Yes	-	-	-	Yes	Yes
PIR/While LED	-	-	-	-	-	-	-
Multiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (1.3M)	30 (1M 720p), 30 (2M 1080p), 18 (3M), 15 (4M), 10 (5M)	30 (1M 720p), 30 (2M 1080p),20 (3M)	25 (1M 720p), 25 (2M 1080p), 18 (3M), 14 (4M), 9 (5M)	25 (1M 720p), 25 (2M 1080p), 18 (3M), 14 (4M), 9 (5M)
Audio (G.711/AMR)	Yes	Yes	No	No	Yes	Yes	Yes
Audio Streaming	2 way	2 way	-	-	-	2 way	2 way
Audio In/Out	Yes (Line in/ Line out)	Yes (Line in/ Line out)	-	-	-	Yes	Yes
Built-Microphone/speaker	-	-	-	-	-	-	-
DI/DO IO Port	Yes	Yes	-	-	-	Yes	Yes
RS485	Yes	Yes	-	-	-	-	-
Analog Video Out	-	-	Yes	Yes	Yes	-	-
Wireless	-	-	-	-	-	-	-
HW WPS Button	-	-	-	-	-	-	-
Local storage	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	-	-
Enviroment	Outdoor (IP66)	Outdoor (IP66)	Outdoor (IP66)	Outdoor (IP66)	Outdoor (IP67)	Indoor	Outdoor (IP67)
Power Input/ Opertating Temperature	DC 12V/802.3af PoE (0°C ~ 50°)	DC 12V/802.3af PoE (0°C ~ 50°)	DC 12V/802.3af PoE (-20°C ~ 50°C)	DC 12V/802.3af PoE (-20°C ~ 50°C)	DC 12V/802.3af PoE (-20°C ~ 50°C)	DC 12V/802.3af PoE (0°C ~ 50°)	DC 12V/802.3af PoE (-20°C ~ 50°)
Operating Humidity	10%~80%	10%~80%	10%~80%	10%~80%	10% ~ 80%	10%~80%	10%~80%
Others							
	M12 Lens Changeable f=6mm/ f-8mm	M12 Lens Changeable f=8mm	M12 Lens Changeable	M12 Lens Changeable f=2.8mm(only for 1M, 2M) f=3.6mm/ f=6mm/ f=8mm	IK10 M12 Lens Changeable		IK10

* For detail FOV, please refer to Brickcom datasheets

PTZ		Speed Dome		Video Server Series		
	PZ-040D/E 12xp	OSD-040D/E 36xp	OSD-200A 20xp (new)		VS-01Ap	WVS-01Ap
						
Image sensor	Sony Super HAD CCD	Sony Super HAD II CCD & Effio DSP	SONY Progressive CMOS sensor	Image sensor	-	-
Sensor Size/Resolution	1/4" D1 CCD	1/4" D1 CCD	1/2.8" 2M CMOS	Sensor Size/Resolution	-	-
S/N Ratio	>50dB	>50dB	>50dB	Shutter Speed	-	-
Shuttler Speed	NTSC:1/10000~1/60 PAL: 1/10000~1/50	NTSC:1/10000~1/60 PAL: 1/10000~1/50	1/10000 s ~ 1/1 s	Max. Resolution	NTSC: 720x480 PAL: 720x576	NTSC: 720x480 PAL: 720x576
Max. Resolution	NTSC: 720x480 / PAL: 720x576	NTSC: 720x480 / PAL: 720x576	1920 x 1080	Lens Included	No	No
Lens Included	Yes	Yes	Yes	Lens Mount	-	-
Lens Mount	Board Lens	Board Lens	Board Lens	Focal Length	-	-
Focal Length	3.8~45.6 mm	3.4~122.4 mm	4.7 ~ 94 mm	F value	-	-
F value	F1.6 -F2.7	F1.6 -F4.5	F1.6	Lens View Angle | Horizontal	-	-
Optical Zoom	12x	36x	20x	Auto Iris Support	-	-
Lens View Angle H/V/D	4.49°~52.8°	2.0°~61.2°	55°~4°/32°~2°/62°~5°	Day & Night		
Min. Illumination	0.5 lux(F1.6~2.7,B/W) 0.8 lux(F1.6~2.7,Color)	0.01 lux(F1.6~4.5,B/W) 0.1 lux(F1.6~4.5,Color)	0.01 lux(F1.6,B/W) 0.05 lux(F1.6,Color)	Mechanical ICR	-	-
Auto Iris Support	Yes	Yes	Yes	Infrared LED | Amount	-	-
Day&Night			Yes	Infrared LED | Distance	-	-
Mechanical ICR	Yes	Yes	Yes	PIR/White LED	-	-
Infradred LED/Amount	14 PCS	-	-	Video Compression/Frame Rate		
Infradred LED/Distance	16 m	-	-	H.264 (fps@max. res.)	V(NTSC:30 fps / PAL:25 fps)	V(NTSC:30 fps / PAL:25 fps)
Video Compression/Frame Rate				MPEG-4(fps@max. res.)	V(NTSC:30 fps / PAL:25 fps)	V(NTSC:30 fps / PAL:25 fps)
H.264 (fps@max.res.)	V(NTSC:30fps / PAL:25fps)	V(NTSC:30fps / PAL:25fps)	30:CIF,30:D1,30:1M 720p,30:2M 1080p	Motion JPEG(fps@max. res.)	V(NTSC:30 fps / PAL:25 fps)	V(NTSC:30 fps / PAL:25 fps)
MPEG-4 (fps@max.res.)	V(NTSC:30fps / PAL:25fps)	V(NTSC:30fps / PAL:25fps)	-	Audio		
Motion JPEG (fps@max.res.)	V(NTSC:30fps / PAL:25fps)	V(NTSC:30fps / PAL:25fps)	30:CIF,30:D1,30:1M 720p,30:2M 1080p	Audio Steaming	2 way (Built-in mic)	2 way (Built-in mic)
Audio Streaming	2 way	2 way	2 way	Environment	Indoor	Indoor
Enviroment	Indoor	Outdoor (IP66)	Outdoor (IP66)	Vandal-Proof	-	-
Opertating Temperature	-10°C~50°C (14°F~122°F)	-45°C~50°C (-49°F~122°F)	802.3at PoE: -7°C ~ 50°C(-19.4°F~122°F) AC 24V: -40°C ~ 50°C(-40°F~122°F)	Operating Temperature	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)
Built-in Fan & Heater	-	Yes	Yes	General		
Pan/ Tilt				Analog Video Out	Yes	Yes
Pan Range	Endless 360°	Endless 360°	Endless 360°	Terminal Block	DI/DO, RS-485	DI/DO, RS-485
Pan Speed / Tilt Speed	0.5°~120°/s	0.5°~400°/s	0.5°~90°/s	Wireless	-	802.11 a/b/g/n Dual Band
Tilt Range	90°(0°~90°)	200°(-10°~190°)	200°(-10°~190°)	Hardware WPS Button	-	Yes
General				Local storage	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G
Analog Video Out	Yes	Yes	-	Power Input	DC 12V 1A/AC24V 802.3af PoE	DC 12V 1A/AC24V 802.3af PoE
Terminal Block	DI/DO	DI/DO	4 sets DI/ 2 sets DO	MAX. Power Consumption	5 Watts	5 Watts
Local storage	-	-	Micro SD/SDHC Slot Max.32G	Others		
Power Input	High Power PoE/ DC 12V 2A	AC 24V	802.3at PoE/ AC 24V		3D de-interlace, 3D noise reduction, Max. mic range: 10m	3D de-interlace, 3D noise reduction, Max. mic range: 10m
MAX. Power Consumption	17 Watts	65 Watts	50 Watts			
Others						
	Regional privacy mask: 8	Regional privacy mask: 16	Regional privacy mask: 16 WDR, Onvif support			

Video Management System

	NR-1604 V2	NR-04A	BRC64
			
General			
Camera Support	1~16	1~4	1~64
Compression Format	Motion-JPEG/ MPEG-4/ H.264	Motion-JPEG/ MPEG-4/ H.264	Motion-JPEG/ MPEG-4/ H.264
E-Map	Yes	Yes	Yes
Video Access by Web Browser	Yes	Yes	Yes
PTZ Control	Yes	Yes	Yes
Preset Control	Yes	Yes	-
Recording			
Continuous Recording	Yes	Yes	Yes
Manual Recording	Yes	Yes	Yes
Schedule Recording	Yes	Yes	Yes
Alarm Recording	Yes	Yes	Yes
Audio Recording *	Yes	Yes	Yes
Buffer Storage for Alarm Images (before and after events)	Pre-recording: 0~3 sec Post-recording: 5~30 sec	Pre-recording: 0~3 sec Post-recording: 5~30 sec	Post-recording: 1~600 sec
Recording Performance (FPS) up to	Max. 8Mbps	Max. 8Mbps	depends on PC H/W SPEC
Playback			
Playback Mode	Play/Pause/Stop/Forward/ Reverse/Speed Adjust/ Frame by Frame	Play/Pause/Stop/Forward/ Reverse/Speed Adjust/ Frame by Frame	Play/Pause/Stop/Forward/ Reverse/Speed Adjust/ Frame by Frame
Video Search	Time/Date, Event	Time/Date, Event	Time/Date, Event
Multi-channel Playback	Yes	Yes	Yes
Security			
User Authority Management	Add/Edit/Delete	Add/Edit/Delete	-
Concurrent Login to the Unit	Up to 4 clients (suggested)	Up to 4 clients (suggested)	1 client
Network			
DHCP Client Support	Yes	Yes	-
DHCP Server	Yes	Yes	-
UPnP Support	Yes	Yes	Yes
I/O Port			
USB 2.0	2xUSB 2.0 (for UPS)	2xUSB 2.0 (for UPS)	depends on PC H/W SPEC
Network Port	High-speed Giga LAN Port * 1	High-speed Giga LAN Port * 1	depends on PC H/W SPEC
HDD i/f	SATA x 2, 2TB per slot	SATA x 2, 2TB per slot	depends on PC H/W SPEC
OS Supported(for client PC)			

Camera Accessories

Lens	Model Name	Product Name	Supported Models
	YV2.1x2.8SR4A-SA2L	2.1x Vari-focal Lens with DC Iris (1/3" CS mount, 3MP, 2.1x, f=2.8~6mm, F1.3)	FB-100A/ FB-130A/ FB-130N / FB-300A/ FB-300N/ FB-500A Series
	M13VG288IR	2.2x Vari-focal Lens with DC Iris (1/3" CS mount, 3MP, 2.2x, f=2.8~8mm, F1.2)	FB-100A/ FB-130A/ FB-130N / FB-300A/ FB-300N/ FB-500A Series
	M13VM288IR	2.2x Vari-focal Lens with Manual Iris (1/3" CS mount, 3MP, 2.2x, f=2.8~8mm, F1.2)	CB-102A/ CB-502A/ WCB-502A/ FB-100A/ FB-130A/ FB-130N/ FB-300A/ FB-300N FB-500A series
	TG3Z2914FCS-IR	3x Vari-focal Lens with DC Iris (1/3" CS mount, D1, 3x, f=2.9~8.2mm, F1.4)	FB-100A Series
	YV10x5HR4A-SA2	10x Vari-focal Lens with DC Iris (1/3" CS mount, 1.3MP, 10x, f=5~50mm, F1.6)	FB-100A/ FB-130A/ FB-130N Series
	M127F02820IR	Vari-focal Lens with Fixed Iris (1/2.7" CS mount, 1MP, f=2.8mm, F2.0)	CB-102Ae/ FB-100A series/ FB-130N
	YF360A-SA2	Panomorph Lens with Manual Iris 1/3" CS mount, 2MP, FOV(H)=182°, f=0.9mm (short axis), 1.15mm (long axis)	FB-500A/ FB-300N/ CB-502A series
	IMV1-1/3NI	Panomorph Lens w/o DC Iris 1/3" CS mount ,FOV(H)=182°, f=0.9mm (short axis), 1.15mm (long axis)	FB-500A/ FB-300N/ CB-502A series
	IMV1-1/3	Panomorph Lens with DC Iris 1/3" CS mount, FOV(H)=182°, f=0.9mm (short axis), 1.15mm (long axis)	FB-500A/ FB-300N/ CB-502A series

Outdoor Enclosure	Model Name	Product Name	Supported Models
	EN-2070	Infrared Illuminator Enclosure	Fixed Box Series
	EN-1000	Outdoor Enclosure	Fixed Box Series
	EN-1000 (1 unit of IR040)	Outdoor Enclosure with 1 Unit of Infrared Illuminator	Fixed Box Series
	EN-1000 (2 units of IR040)	Outdoor Enclosure with 2 Units of Infrared Illuminators	Fixed Box Series

Camera Accessories

Camera Bracket	Model Name	Product Name	Supported Models
	CI-803 A	Camera Bracket	Fiexed Box / (PoE) Cube Series
	CI-803 C	Camera Bracket	Fiexed Box / (PoE) Cube Series
	CI-803 D	Camera Bracket	MB-300A / MB-500A Series (PoE) Cube Series
	CI-807	Camera Bracket	Bullet Series
	CI-812	Camera Bracket	Bullet Professional Series
	GL-222	Camera Bracket	Cube Series
	D77H03-WSP	Pendant	Speed Dome Series
	D77H03-WMP	Mini Pendant	Speed Dome Series
	CI-808	Pole Mount	CI-807
	CI-815	Pole Mount	CI-812
	D77H03-WST1	25cm Straight Tube	Speed Dome Series
	D77H03-WST2	50cm Straight Tube	Speed Dome Series
	D77H05-WWBM	Wall Box Mount	Speed Dome Series
	D77H05-WCTB	Corner Box Mount	Speed Dome Series
	D77H05-WPTB	Pole Box Mount	Speed Dome Series

Camera Accessories

Camera Bracket	Model Name	Product Name	Supported Models
	D77H05-WCST	Corner Plate Mount	Speed Dome Series
	D77H05-WPTD	Pole Direct Mount	Speed Dome Series
	DH801-S	Smoke Cover	Speed Dome Series
	DH801-V	Vandal-proof Cover	Speed Dome Series
	L-WM-01	L- Shape Wall Mount Bracket	FD-300A / FD-130N Series Vandal Dome Series

Waterproof Connector	Model Name	Product Name	Supported Models
	WPC-EU WPC-US	Waterproof Connector-WPC-EU Waterproof Connector-WPC-US	Vandal Dome Series

Adjusting Tool	Model Name	Product Name	Supported Models
	LT LT-G	Adjusting Lens Tool Adjusting Lens Tool with Glass	MD-500Ap/ MD-300Np VD-500Af Series

Network Equipment

Antenna	Model Name	Product Name	Supported Models
	GEM04-222008A	Wi-Fi Dual Band Omni Antenna	WiFi Bullet Series
	GEM07-15072A	3G Antenna	3G Bullet Series
	GEM04-222060	Wi-Fi Dual Band Antenna	WiFi Bullet Series
	GEM04-222070	Wi-Fi Dual Band Patch Antenna	WiFi Bullet Series
	BA3230	Wimax Antenna	WIXB-100 / WIXC-100

EoC	Model Name	Product Name	Supported Models
	EoC-300M EoC-300S	Ethernet Over Coax Bridge	All Brickcom cameras
	EoC-300M-PoE EoC-300S-PoE	Ethernet Over Coax Bridge	All Brickcom cameras except for VD-100Ap, VD-130Ap, and CB-100A/OB/PTZ/OSD series
	EoC-300M-HighPoE EoC-300S-HighPoE	Ethernet Over Coax Bridge	All Brickcom cameras except for CB-100A/PTZ/OSD Series
	EoC-2000M EoC-2000S	Ethernet Over Coax Bridge	All Brickcom cameras

Others	Model Name	Product Name	Supported Models
	12V 4400mAh	12V Li Battery Module	Wi-Fi Box / Wi-Fi Cube Series
	D77H07-EPB13 D77H07-EPB23	Power Box	Speed Dome Series
	72-A1030001 72-A2030001	Power Adapter	Speed Dome Series
	BNCMD-01	TV Out Cable	MD-500A / MD-300N Series
	USBCB-02	3G Connector Cable	CB-101A / CB-102A v2.1 CB-500A / CB-502A Series MB-500A / MB-502A Series

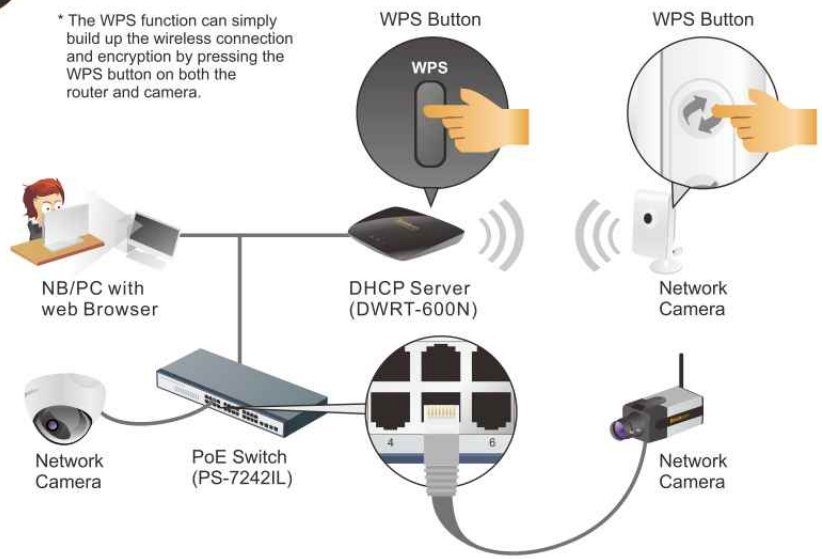
Network Equipment

Networking	Model Name	Product Name	Supported Models
	PS-588I	8-port 10/100M PoE Fast Ethernet Switch	Fixed Box / Fixed Dome / Mini Dome / PoE Cube Series
	PS-7616IL	16-port 10M/100M PoE Web Smart Ethernet Switch	Fixed Box / Fixed Dome / Mini Dome / PoE Cube Series
	PS-7242IL-AF	24-port 10/ 100M PoE Web Smart Ethernet Switch	Fixed Box / Fixed Dome / Mini Dome / PoE Cube Series
	PS-7242IL-AT	24-port 10/ 100M PoE+ Web Smart Ethernet Switch	All Brickcom cameras
	DWRT-600N	Dual Band Wireless N Router	All Brickcom cameras
	F5D4074(EU)	HomePlug Bridge	All Brickcom cameras
	POE30U	PoE Injector	Bullet / Vandal Dome / PTZ Series
	POE16U	PoE Injector	Fixed Box / Fixed Dome / Mini Dome / PoE Cube Series
	151S-12V	PoE Splitter	CB-100A Series
	WIXB-100	Wimax Outdoor BS	All Brickcom cameras
	WIXC-100	Wimax Outdoor CPE	All Brickcom cameras
	BP-1000	UPS power pack for camera	Fixed Box / (PoE) Cube Series
	IP Desktop	Joystick	Speed Dome / PTZ Series
	SJT-02	Joystick	Speed Dome / PTZ Series

Easy Installation

1 STEP — Install cameras and network devices (Plug and Play)

* The WPS function can simply build up the wireless connection and encryption by pressing the WPS button on both the router and camera.



2 STEP — Install the Brickcom Easyconfig program with your CD-ROM, and search for your camera without having to configure any complicated IP settings.



3 STEP — Follow the EasyConfig software to configure the camera's IP address settings and EasyLink™ functions.



4 STEP — Click <Live View> to view the live video feed of the connected camera.



VMS Compatible



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