Brickcom

2013 BRICKCOM BUYING GUIDE

EN 0731/ 2013C

EXPERT IN WIRELESS IP SURVEILLANCE

About 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.

Brickcom is 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 network surveillance to launch state-of-the-art surveillance solutions with unlimited worldwide applications.

Camera Naming Rule

Wireless Funtion — **W CB-10x A e-00** — Internal Control Code

Camera Type | Resolutions | Sensor Type | Version

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
4M	40x
5M	50x

Wireless Funtion

No	
WiFi	W
3G/3.5G	G

Version

Fixed Lens	f
Economy	e
Professional	p
Advanced	a

Example: CB-100Ae-00

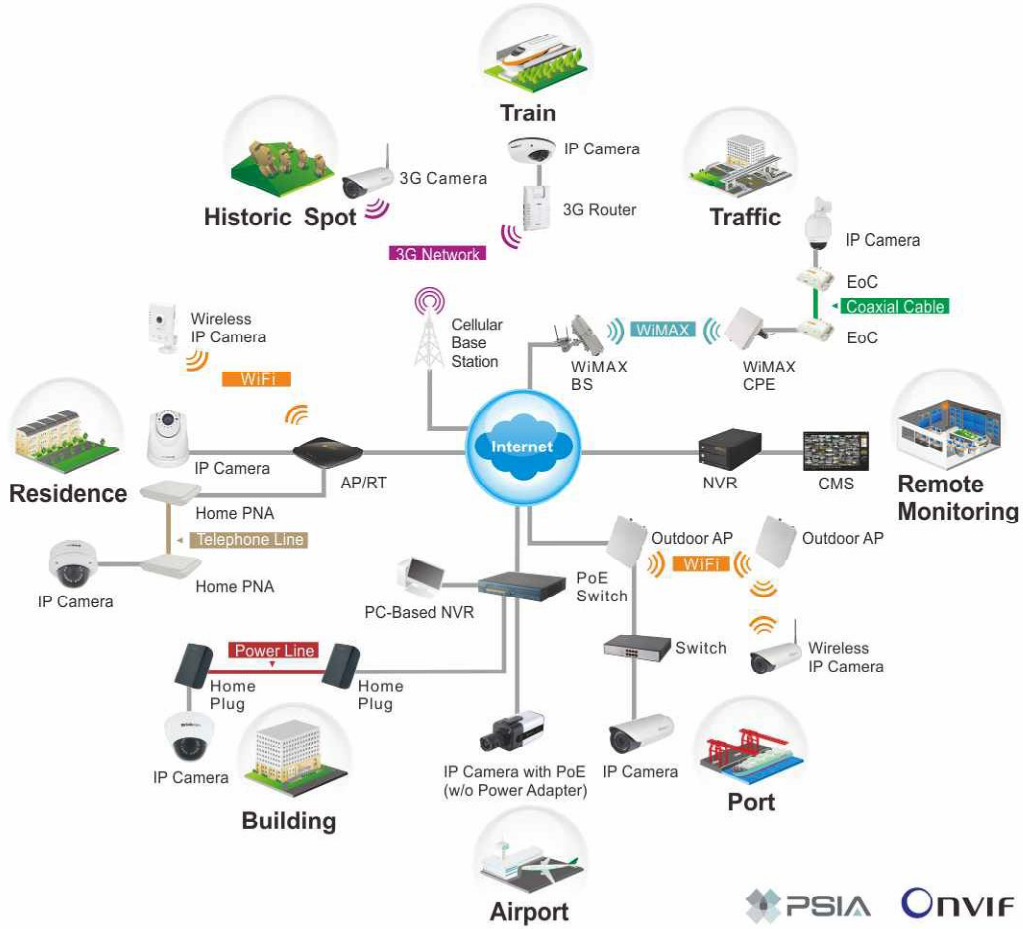
Cube	CB
1M	10x
CMOS	A
Economy	e
Internal Control Code	00

BrickOne Solution®

(Cameras + Network Equipment + Video Management System)

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

Network Cameras	Wired / Wirelss / 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 abg WiFi n

5-Megapixel Camera Series

HDTV
1080P
30fps

	CB-500Ap	CB-502Ap / WCB-502Ap	MB-500Ap / WMB-500Ap	FB-500Ap	FD-500Ap	FD-502Ap	VD-500Ap
	3G Option p	WiFi 3G Option p	WiFi 3G Option p	3G Option p	p	p	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	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
Shutter 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	Optional	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
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,B/W) 2 lux(F2.8,Color)	1 lux(F1.5,B/W) 2 lux(F1.5,Color)	0 lux(IR ON,B/W) 2 lux(F1.6,Color)	0.8 lux(F1.3,B/W) 2 lux(F1.3,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)
Auto Iris Support	No	No	No	Yes	Yes	Yes	Yes
Infrared LED/Distance	-	-	30pcs/15m	-	12pcs/10m	12pcs/10m	12pcs/10m
Mechanical ICR	-	-	Yes	Yes	Yes	Yes	Yes
PIR/White LED	Yes	Yes	-	-	-	-	-
Multiple Video 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-in Microphone/Speaker	Built-in Mic & Speaker	Built-in Mic & Speaker	Built-in Mic & Speaker	-	-	-	-
DI/DO	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)
RS-485	-	-	-	Yes	-	-	-
Analog Video Out	-	-	-	Yes	Yes	Yes	Yes
Wireless	-	802.11a/b/g/n*	802.11a/b/g/n*	-	-	-	-
HW WPS Button	-	Yes*	Yes*	-	-	-	-
Local Storage	Micro SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G	SD/SDHC/SDXC Slot Max.64G	SD/SDHC/SDXC Slot Max.64G	SD/SDHC/SDXC Slot Max.64G
Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor (IP67)
Power Input/ Operating 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 (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 (-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-502Ap only **CB-502Ap only	*WMB-500Ap only **MB-500Ap only		SmartFocus Support 3 axis design	3 axis design	SmartFocus Support 3 axis design, IK10

	5-Megapixel Camera Series					3-Megapixel Camera Series	
HDTV 1080P 30fps	VD-502Ap	MD-500Ap	OB-500Ap WOB-500Ap GOB-500Ap	OB-502Ap	OB-502Ae / WOB-502Ae SeP	CB-300Ap	CB-302Ap / WCB-302Ap
	p	p	WiFi 3G p	p	WiFi e	3G Option p	WiFi 3G Option 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	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
Shutter 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	2048x1536	2048x1536
Lens Included	Yes	Yes	Yes	Yes	Yes	Yes	Optional
Lens Mount	Board Mount	M12 Mount	Board Mount	Board Mount	Board Mount	Board Mount	CS Mount
Focal Length	f=3.3~10.5mm	f=4.00mm	f=3~10.5mm	f=3.3~10.5mm	f=3.3~10.5mm	f=6.34mm	f=4.05mm
F Value	F1.4	F1.6	F1.4	F1.4	F1.4	F2.8	F1.5
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°	95°~33°/65°~25°/115°~41°	40°/30°/50°	63°/48°/78°
Min. Illumination	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	1 lux(F1.6,B/W) 2 lux(F1.6,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	1 lux(F2.8,B/W) 2 lux(F2.8,Color)	1 lux(F1.5,B/W) 2 lux(F1.5,Color)
Auto Iris Support	Yes	No	Yes	Yes	Yes	No	No
Infrared LED/Distance	12pcs/10m	-	24pcs/15m	24pcs/15m	21pcs/15m	-	-
Mechanical ICR	Yes	-	Yes	Yes	Yes	-	-
PIR/White LED	-	-	-	-	-	Yes	Yes
Multiple Video 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), 15 (4M), 10 (5M)	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	-	Yes	Yes	Yes	-	-
Built-in Microphone/Speaker	-	Built-in Mic	-	-	-	Built-in Mic & Speaker	Built-in Mic & Speaker
DI/DO	Yes(1/1)	-	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)
RS-485	-	-	Yes	Yes	Yes	-	-
Analog Video Out	Yes	Yes	Yes	Yes	-	-	-
Wireless	-	-	802.11a/b/g/n*	-	802.11b/g/n*	-	802.11a/b/g/n*
HW WPS Button	-	-	Yes*	-	-	-	Yes*
Local Storage	SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G
Environment	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP66)	Indoor	Indoor
Power Input/ Operating Temperature	DC 12V/802.3af PoE (-20°C~50°C) 802.3at PoE (10°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(10°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)	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	EN50155,IK10 Lens Changeable	*WOB-500Ap only UMTS/HSUPA 850/1900/2100(for GOB) SmartFocus Support		*WOB-502Ae only		*WCB-302Ap only **CB-302Ap only

3-Megapixel Camera Series

HDTV
1080P
30fps

	MB-300Ap / WMB-300Ap	FB-300Ap V3	FD-300Ap V3	FD-302Ap	VD-300Ap V3	VD-302Ap	MD-300Ap
	3G Option p	3G Option p	p	p	p	p	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	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
Shutter 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	Yes	No	Yes	Yes	Yes	Yes	Yes
Lens Mount	Board Mount	CS Mount	Board Mount	Board Mount	Board Mount	Board Mount	M12 Mount
Focal Length	f=4.00mm	-	f=3~10.5mm	f=3.3~10.5mm	f=3~10.5mm	f=3.3~10.5mm	f=4.00mm
F Value	F1.6	-	F1.4	F1.4	F1.4	F1.4	F1.6
View Angle H/V/D	66°/49°/85°	-	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°
Min. Illumination	0 lux(IR ON,B/W) 2 lux(F1.6,Color)	0.8 lux(F1.3,B/W) 2 lux(F1.3,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	0 lux(IR ON,B/W) 2 lux(F1.4,Color)	1 lux(F1.6,B/W) 2 lux(F1.6,Color)
Auto Iris Support	No	Yes	Yes	Yes	Yes	Yes	No
Infrared LED/Distance	30pcs/15m	-	12pcs/10m	12pcs/10m	12pcs/10m	12pcs/10m	-
Mechanical ICR	Yes	Yes	Yes	Yes	Yes	Yes	-
PIR/White LED	-	-	-	-	-	-	-
Multiple Video 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), 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)
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	1 way
Audio In/Out	-	Yes	Yes	Yes	Yes	Yes	-
Built-in Microphone/Speaker	Built-in Mic & Speaker	-	-	-	-	-	Built-in Mic
DI/DO	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	Yes(1/1)	-
RS-485	-	Yes	-	-	-	-	-
Analog Video Out	-	Yes	Yes	Yes	Yes	Yes	Yes
Wireless	802.11a/b/g/n*	-	-	-	-	-	-
HW WPS Button	Yes*	-	-	-	-	-	-
Local Storage	Micro SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G	SD/SDHC/SDXC Slot Max.64G	SD/SDHC/SDXC Slot Max.64G	SD/SDHC/SDXC Slot Max.64G	SD/SDHC/SDXC Slot Max.64G	Micro SD/SDHC/SDXC Slot Max.64G
Environment	Indoor	Indoor	Indoor	Indoor	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)
Power Input/ Operating 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 (-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)
Operating Humidity	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%	10%~80%
Others							
	*WMB-300Ap only **MB-300Ap only		SmartFocus Support 3 axis design	3 axis design	SmartFocus Support 3 axis design, IK10	3 axis design, IK10	EN50155, IK10 Lens Changeable