

Brickcom

2011 BRICKCOM BUYING GUIDE

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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	Sensor Type		
Fixed Box	FB	CMOS	A
Fixed Dome	FD	CCD Progressive	B
Cube	CB	CMOS WDR	C
Bullet	OB	CCD Interlaced (NTSC)	D
Vandal Dome	VD	CCD Interlaced (PAL)	E
Mini Dome	MD	CMOS Sony	N
PTZ	PZ		
Speed Dome	SD		

Resolutions	Specific Features		
D1	04	no	0
1M	10	Cube: PoE	1
1.3M	13	Cube: PoE+CS Mount Lens	2
2M	20		
3M	30		
5M	50		

Wireless Function	Version		
no		Economic	e
WiFi	W	Professional	p
3G/3.5G	G	Advanced	a

Example: WFB-100A-31		Example: CB-102A-00	
WiFi	W	Cube	CB
Fixed Box	FB	1M	10
1M	10	PoE and CS Mount	2
No Specific Feature	0	CMOS	A
CMOS	A	Lens Code	00
Lens Code	31		

BrickOne Solution[®]

(Cameras + Network Equipment + Video Management System)



Network Cameras

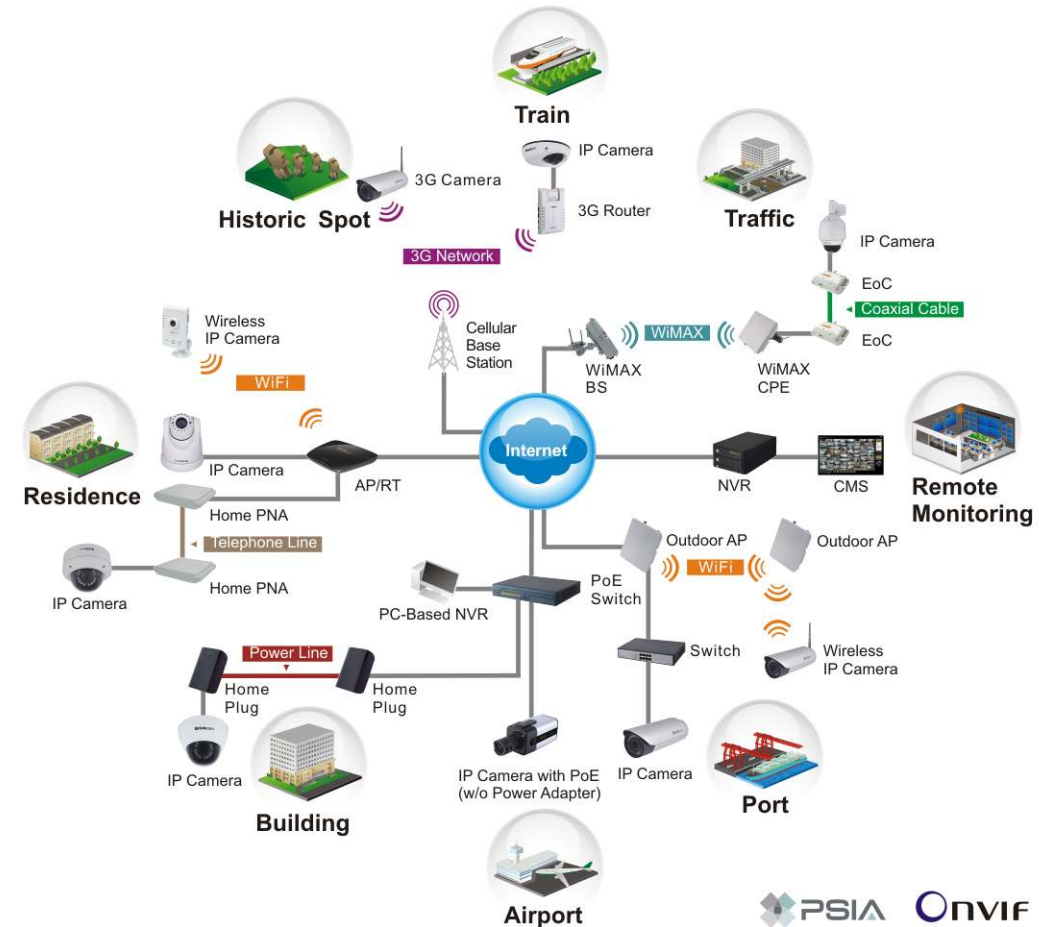
Wired / Wireless / 3G, VGA, D1, 1M, 1.3, 3M, 5M, WDR, Indoor/Outdoor, Vandal Proof, IP67, All the Cameras Accessories

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)



Wireless Solution



WiFi

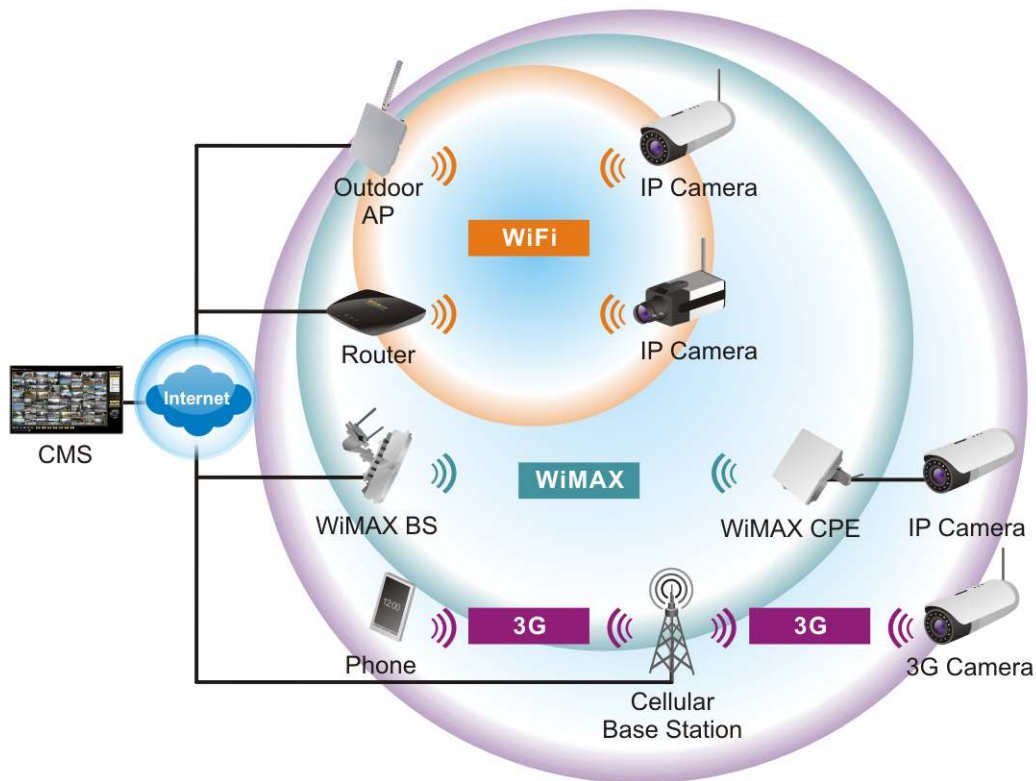
- Range: 400m
- Effective Throughput: 75Mbps

WiMAX

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

3G

- Range: Anywhere
- Effective Throughput: 700Kbps

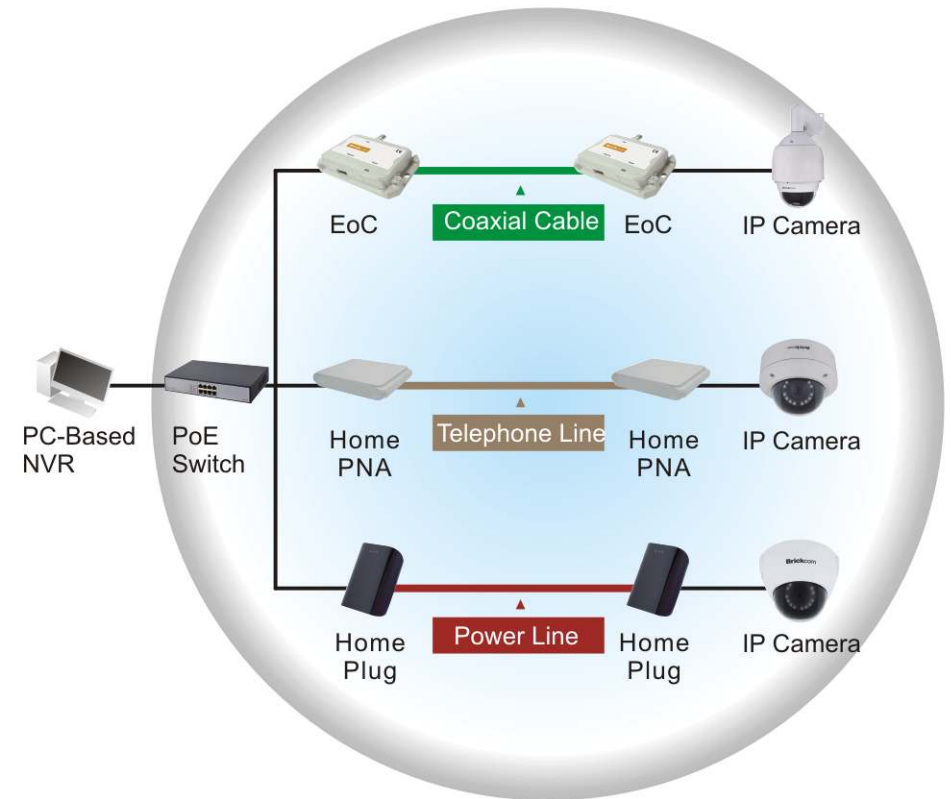


Wired Solution



Ethernet over Coaxial Cable / Power Line / Telephone Line

- Extended PoE over 300m



5M Camera Series



Hardware System							
Flash/Memory	32 MB/256 MB	32 MB/256 MB	32 MB/256 MB	32 MB/256 MB	32 MB/256 MB	32 MB/256 MB	32 MB/256 MB
Image sensor	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS	CMOS
Sensor Size/Res	1/2.5"/5M	1/2.5"/5M	1/2.5"/5M	1/2.5"/5M	1/2.5"/5M	1/2.5"/5M	1/2.5"/5M
Shuttler Speed	1/20000 s ~ 1/2 s	1/20000 s ~ 1/2 s	1/20000 s ~ 1/2 s	1/20000 s ~ 1/2 s	1/20000 s ~ 1/2 s	1/20000 s ~ 1/2 s	1/20000 s ~ 1/2 s
Max. Resolution	2592x1944	2592x1944	2592x1944	2592x1944	2592x1944	2592x1944	2592x1944
Lens Included	Yes	Yes	Yes (Optional)	Yes (Optional)	NO	Yes	Yes
Lens Mount	Board Mount	Board Mount	CS Mount	CS Mount	CS Mount	Board Mount	Board Mount
Focal Length	f=6.34mm	f=6.34mm	f=4.20mm	f=4.20mm	f=4.00mm	f=4.00mm	f=4.00mm
F value	F2.8	F2.8	F1.8	F1.8	F1.8	F1.5	F1.5
View AngleHI/V/D	50°/37°/58°	50°/37°/58°	76.7°/58.8°/94.7°	76.7°/58.8°/94.7°	-	76.7°/58.8°/94.7°	76.7°/58.8°/94.7°
Min. Illumination	0.8 Lux@ F2.8	0.8 Lux@ F2.8	0.8 Lux@ F1.8	0.8 Lux@ F1.8	0.8 Lux@ F1.8	0.5 Lux@ F1.5	0.5 Lux@ F1.5
Auto Iris Support	No	No	No	No	Yes	NO	NO
Infradred LED/Distance	-	-	-	-	-	-	49pcs/35m
Mechanical ICR	-	-	-	-	V	V	V
PIR/White LED	V	V	V	V	-	-	-
Mutiple Streaming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (fps)	60 (1M 720p), 30 (2M 1080p), 20 (3M), 15 (4M), 10 (5M)	60 (1M 720p), 30 (2M 1080p), 20 (3M), 15 (4M), 10 (5M)	60 (1M 720p), 30 (2M 1080p), 20 (3M), 15 (4M), 10 (5M)	60 (1M 720p), 30 (2M 1080p), 20 (3M), 15 (4M), 10 (5M)	60 (1M 720p), 30 (2M 1080p), 20 (3M), 15 (4M), 10 (5M)	60 (1M 720p), 30 (2M 1080p), 20 (3M), 15 (4M), 10 (5M)	60 (1M 720p), 30 (2M 1080p), 20 (3M), 15 (4M), 10 (5M)
Audio(G.711/AMR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Steaming	2 way	2 way	2 way	2 way	2 way	2 way	2 way
Audio in/Out	-	-	-	-	V (Line In)	V (Line In)	V (Line In)
Built-Microphone/speaker	V	V	V	V	-	-	-
DI/DO IO Port	V(1/1)	V(1/1)	V(1/1)	V(1/1)	V(1/1)	V(1/1)	V(1/1)
RS485	-	-	-	-	V	V	V
Analog Video Out	-	-	-	-	V	V	V
HW WPS Button	-	V	-	V	-	-	-
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	Micro SD/SDHC Slot Max.32G
Power Input	DC 12V 1A/ 802.3af PoE	DC 12V 1A/	DC 12V 1A/ 802.3af PoE	DC 12V 1A/	DC 12V 1A/ 802.3af PoE	DC 12V 1A/ 802.3af PoE	DC 12V 1A/ 802.3af PoE
Enviroment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Outdoor
Operating Temperature	0℃ ~ 50℃ (32°F~122°F)	0℃ ~ 50℃ (32°F~122°F)	0℃ ~ 50℃ (32°F~122°F)	0℃ ~ 50℃ (32°F~122°F)	0℃ ~ 50℃ (32°F~122°F)	-20℃ ~ 50℃ (-4°F ~122°F)	-20℃ ~ 50℃ (-4°F ~122°F)
Operating Humidity	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%	10% ~ 80%
Others							

Superior Night Vision N Series Product

FB-130Np



P

WFB-130Np



P

FD-130Np



P

VD-130Np



P

OB-130Np



P

WOB-130Np



P

GOB-130Np



3G

P

Image sensor							
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
Shutter Speed	1/30000 s ~ 1 s	1/30000 s ~ 1 s	1/30000 s ~ 1 s	1/30000 s ~ 1 s	1/30000 s ~ 1 s	1/30000 s ~ 1 s	1/30000 s ~ 1 s
Max. Resolution	1280x1024/HDTV	1280x1024/HDTV	1280x1024/HDTV	1280x1024/HDTV	1280x1024/HDTV	1280x1024/HDTV	1280x1024/HDTV
Lens	Optional	Optional	Included	Included	Included	Included	Included
Lens Mount	CS Mount	CS Mount	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens
Focal Length	-	-	f=3~9mm	f=3~9mm	f=2.8~10mm	f=2.8~10mm	f=2.8~10mm
F value	-	-	F1.2	F1.2	F1.3	F1.3	F1.3
View Angle Horizontal	-	-	115.2°~37.1°	115.2°~37.1°	100.0°~27.3°	100.0°~27.3°	100.0°~27.3°
Auto Iris Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Day & Night							
Mechanical ICR	V	V	V	V	V	V	V
Infrared LED Amount	-	-	-	-	24 PCS	24 PCS	24 PCS
Infrared LED Distance	-	-	-	-	15m	15m	15m
PIR/White LED	-	-	-	-	-	-	-
Video Compression/Frame Rate							
H.264 (fps@max. res.)	V(25 fps)	V(25 fps)	V(25 fps)	V(25 fps)	V(25 fps)	V(25 fps)	V(25 fps)
MPEG-4 (fps@max. res.)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)
Motion JPEG (fps@max. res.)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)
Audio							
Audio Steaming	2 way (Built-in mic)	2 way (Built-in mic)	2 way	2 way	2 way	2 way	2 way
Environment	Indoor	Indoor	Indoor	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)
Vandal-Proof	-	-	-	V	-	-	-
Operating Temperature	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	-40°C ~ 60°C (-40°F ~140°F)	-40°C ~ 60°C (-40°F ~140°F)	-40°C ~ 60°C (-40°F ~140°F)	-40°C ~ 60°C (-40°F ~140°F)
Built-in Fan & Heater	-	-	-	V	V	V	V
General							
Analog Video Out	-	-	-	-	-	-	-
Terminal Block	DI/DO, RS485	DI/DO, RS485	DI/DO	DI/DO	DI/DO, RS-485	DI/DO, RS-485	DI/DO, RS-485
Wireless	-	802.11 a/b/g/n Dual Band	-	-	-	802.11 a/b/g/n Dual Band	UMTS/HSUPA 850/1900/2100
Hardware WPS Button	-	V	-	-	-	-	-
Local storage	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	Micro SD/SDHC Slot Max.32G
Power Input	DC 12V 1A/AC24V 802.3af PoE	DC 12V 1A/AC24V 802.3af PoE	DC 12V 802.3af PoE	DC 48V High Power PoE	DC 48V High Power PoE	DC 48V High Power PoE	DC 48V High Power PoE
MAX. Power Consumption	10 Watts	10 Watts	6 Watts	25 Watts	30 Watts	30 Watts	30 Watts
Others							
	Superior night vision Max. mic range: 10m	Superior night vision Max. mic range: 10m	Superior night vision Smart focus support 3 axis design	Superior night vision Smart focus support 3 axis design, IK10	Superior night vision Smart focus support	Superior night vision Smart focus support	Superior night vision Smart focus support

Cube Series

CB-100Ae
(VGA)



WCB-100Ae
(VGA)



CB-100Ae



WCB-100Ae



CB-101Ae



CB-102Ae



CB-100Ap



Image sensor							
Sensor Size/Res	1/4" CMOS	1/4" CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS
Shutter Speed	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s
Max. Resolution	640x400/VGA	640x400/VGA	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV
Lens							
Lens	Included	Included	Included	Included	Included	Optional	Included
Lens Mount	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	CS Mount	Board Lens
Focal Length	f=3.60mm	f=3.60mm	f=3.60mm	f=3.60mm	f=3.60mm	-	f=3.74mm
F value	F2.3	F2.3	F2.3	F2.3	F2.3	-	F2.0
View Angle Horizontal	55.7°	55.7°	55.7°	55.7°	55.7°	-	54.8°
Auto Iris Support	No	No	No	No	No	No	No
Day & Night							
Mechanical ICR	-	-	-	-	-	-	-
Infrared LED Amount	-	-	-	-	-	-	-
Infrared LED Distance	-	-	-	-	-	-	-
PIR/White LED	-	-	-	-	-	-	V
Video Compression/Frame Rate							
H.264 (fps@max. res.)	V(30 fps)	V(30 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(30 fps)
MPEG-4 (fps@max. res.)	V(30 fps)	V(30 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)
Motion JPEG (fps@max. res.)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)
Audio							
Audio Steaming	1 way (Built-in mic)	1 way (Built-in mic)	1 way (Built-in mic)	1 way (Built-in mic)	1 way (Built-in mic)	1 way (Built-in mic)	2 way (Built-in mic & Speaker)
Environment							
Vandal-Proof	-	-	-	-	-	-	-
Operating Temperature	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)
Built-in Fan & Heater	-	-	-	-	-	-	-
General							
Analog Video Out	-	-	-	-	-	-	-
Terminal Block	-	-	-	-	DI/DO	DI/DO	-
Wireless	-	802.11 b/g/n Single Band	-	802.11 b/g/n Single Band	-	-	-
Hardware WPS Button	-	V	-	V	-	-	-
Local storage	-	-	-	-	-	-	Micro SD/SDHC Slot Max.32G
Power Input	DC 12V 1A	DC 12V 1A	DC 12V 1A	DC 12V 1A	DC 12V 1A 802.3af PoE	DC 12V 1A 802.3af PoE	DC 12V 1A
MAX. Power Consumption	3.1 Watts	3.5 Watts	3.1 Watts	3.5 Watts	3.8 Watts	3.8 Watts	4.1 Watts
Others							
	Max. mic range: 12m	Max. mic range: 12m	Max. mic range: 12m	Max. mic range: 12m	Max. mic range: 12m	Max. mic range: 12m	Max. PIR range: 4m Max. mic range: 12m

Cube Series

Fixed BoX Series

WCB-100Ap



p

CB-101Ap



3G Option p

CB-102Ap



3G Option p



e



e



p



p

Cube Series				Fixed BoX Series			
Image sensor							
Sensor Size/Res	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS	1/4" CMOS
Shutter Speed	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s
Max. Resolution	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV
Lens	Included	Included	Optional	Optional	Optional		
Lens Mount	Board Lens	Board Lens	CS Mount	CS Mount	CS Mount	CS Mount	CS Mount
Focal Length	f=3.74mm	f=3.74mm	-	-	-	-	-
F value	F2.0	F2.0	-	-	-	-	-
View Angle Horizontal	54.8°	54.8°	-	-	-	-	-
Auto Iris Support	No	No	No	Yes	Yes		
Day & Night							
Mechanical ICR	-	-	-	V	V	V	V
Infrared LED Amount	-	-	-	-	-	-	-
Infrared LED Distance	-	-	-	-	-	-	-
PIR/White LED	V	V	V	-	-	-	-
Video Compression/Frame Rate							
H.264 (fps@max. res.)	V(30 fps)	V(30 fps)	V(30 fps)	V(15 fps)	V(15 fps)	V(30 fps)	V(30 fps)
MPEG-4 (fps@max. res.)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)
Motion JPEG (fps@max. res.)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)
Audio							
Audio Steaming	2 way (Built-in mic & Speaker)	2 way (Built-in mic & Speaker)	2 way (Built-in mic & Speaker)	2 way (Built-in mic)	2 way (Built-in mic)	2 way (Built-in mic)	2 way (Built-in mic)
Environment	Indoor	Indoor	Indoor	Indoor	Indoor		
Vandal-Proof	-	-	-	-	-	-	-
Operating Temperature	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)
Built-in Fan & Heater	-	-	-	-	-	-	-
General							
Analog Video Out	-	-	-	-	-	-	-
Terminal Block	-	V(1/1)	V(1/1)	DI/DO, RS485	DI/DO, RS485	DI/DO, RS485	DI/DO, RS485
Wireless	802.11 a/b/g/n Dual Band	UMTS/HSUPA 850/1900/2100	UMTS/HSUPA 850/1900/2100	-	802.11 b/g/n Single Band	-	802.11 a/b/g/n Dual Band
Hardware WPS Button	V	-	-	-	V	-	V
Local storage	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
Power Input	DC 12V 1A	DC 12V 1A 802.3af PoE	DC 12V 1A 802.3af PoE	DC 12V 1A 802.3af PoE	DC 12V 1A 802.3af PoE	DC 12V 1A/AC24V 802.3af PoE	DC 12V 1A/AC24V 802.3af PoE
MAX. Power Consumption	4.5 watts	4.8 Watts	4.8 Watts	10 Watts	10 Watts	10 Watts	10 Watts
Others							
	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	Max. mic range: 10m	Max. mic range: 10m

Fixed BoX Series

Fixed Dome Series



Image sensor							
Sensor Size/Res	1/4" 3M CMOS	1/4" 3M CMOS	1/4" 1M CMOS	1/3" 1.3M CMOS	1/4" 1M CMOS	1/3" 1.3M CMOS	1/4" 3M CMOS
Shutter Speed	1/10000 s ~ 1/7 s	1/10000 s ~ 1/7 s	1/24500 s ~ 1/5 s	1/18000 s ~ 1/4 s	1/24500 s ~ 1/5 s	1/18000 s ~ 1/4 s	1/10000 s ~ 1/7 s
Max. Resolution	2032x1536/Full HD	2032x1536/Full HD	1280x800/HDTV	1280x1024/HDTV	1280x800/HDTV	1280x1024/HDTV	2032x1536/Full HD
Lens							
Lens	Optional	Optional	Included	Included	Included	Included	Included
Lens Mount	CS Mount	CS Mount	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens
Focal Length	-	-	f=3.3~12mm	f=3.3~12mm	f=3.3~12mm	f=3.3~12mm	f=3~9mm
F value	-	-	F1.6	F1.6	F1.6	F1.6	F1.2
View Angle Horizontal	-	-	63.6°~17.9°	89.8°~23.9°	63.6°~17.9°	89.8°~23.9°	115.2°~37.1°
Auto Iris Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Day & Night							
Mechanical ICR	V	V	V	V	V	V	V
Infrared LED Amount	-	-	12 PCS	12 PCS	12 PCS	12 PCS	-
Infrared LED Distance	-	-	15m	15m	15m	15m	-
PIR/White LED	-	-	-	-	-	-	-
Video Compression/Frame Rate							
H.264 (fps@max. res.)	V(8 fps)	V(8 fps)	-	-	V(30 fps)	V(20 fps)	V(8 fps)
MPEG-4 (fps@max. res.)	V(8 fps)	V(8 fps)	V(15 fps)	V(20 fps)	V(15 fps)	V(20 fps)	V(8 fps)
Motion JPEG (fps@max. res.)	V(6 fps)	V(6 fps)	V(30 fps)	V(20 fps)	V(30 fps)	V(20 fps)	V(6 fps)
Audio							
Audio Steaming	2 way (Built-in mic)	2 way (Built-in mic)	2 way	2 way	2 way	2 way	2 way
Environment	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Vandal-Proof	-	-	-	-	-	-	-
Operating Temperature	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)
Built-in Fan & Heater	-	-	-	-	-	-	-
General							
Analog Video Out	-	-	-	-	-	-	-
Terminal Block	DI/DO, RS485	DI/DO, RS485	DI/DO	DI/DO	DI/DO	DI/DO	DI/DO
Wireless	-	802.11 a/b/g/n Dual Band	-	-	-	-	-
Hardware WPS Button	-	V	-	-	-	-	-
Local storage	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	-	-	-	-	SD/SDHC Slot Max.32G
Power Input	DC 12V 1A/AC24V 802.3af PoE	DC 12V 1A/AC24V 802.3af PoE	DC 12V 802.3af PoE	DC 12V 802.3af PoE	DC 12V 802.3af PoE	DC 12V 802.3af PoE	DC 12V 802.3af PoE
MAX. Power Consumption	10 Watts	10 Watts	6 Watts	6 Watts	6 Watts	6 Watts	6 Watts
Others							
	Max. mic range: 10m	Max. mic range: 10m	3 axis design	3 axis design	3 axis design	3 axis design	3 axis design

Vandal Dome Series						Mini Dome Series	
	VD-100Ae	VD-130Ae	VD-100Ap	VD-130Ap	VD-300Ap ^{new}	MD-100Ae	MD-100Ap
							
Image sensor							
Sensor Size/Res	1/4" 1M CMOS	1/3" 1.3M CMOS	1/4" 1M CMOS	1/3" 1.3M CMOS	1/4" 3M CMOS	1/4" 1M CMOS	1/4" 1M CMOS
Shutter Speed	1/24500 s ~ 1/5 s	1/18000 s ~ 1/4 s	1/24500 s ~ 1/5 s	1/18000 s ~ 1/4 s	1/10000 s ~ 1/7 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s
Max. Resolution	1280x800/HDTV	1280x1024/HDTV	1280x800/HDTV	1280x1024/HDTV	2032x1536/Full HD	1280x800/HDTV	1280x800/HDTV
Lens	Included	Included	Included	Included	Included	Included	Included
Lens Mount	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens
Focal Length	f=3.3~12mm	f=3.3~12mm	f=3.3~12mm	f=3.3~12mm	f=3~9mm	4.0 mm	2.86 mm
F value	F1.6	F1.6	F1.6	F1.6	F1.2	F1.8	F2.0
View Angle Horizontal	63.6°~17.9°	89.8°~23.9°	63.6°~17.9°	89.8°~23.9°	115.2°~37.1°	56°	81.2°
Auto Iris Support	Yes	Yes	Yes	Yes	Yes	No	No
Day & Night							
Mechanical ICR	V	V	V	V	V	-	-
Infrared LED Amount	12 PCS	12 PCS	12 PCS	12 PCS	-	-	-
Infrared LED Distance	15m	15m	15m	15m	-	-	-
PIR/White LED	-	-	-	-	-	-	-
Video Compression/Frame Rate							
H.264 (fps@max. res.)	V(15 fps)	V(15 fps)	V(30 fps)	V(20 fps)	V(8 fps)	V(15 fps)	V(30 fps)
MPEG-4 (fps@max. res.)	V(15 fps)	V(20 fps)	V(15 fps)	V(20 fps)	V(8 fps)	V(15 fps)	V(15 fps)
Motion JPEG (fps@max. res.)	V(30 fps)	V(20 fps)	V(30 fps)	V(20 fps)	V(6 fps)	V(30 fps)	V(30 fps)
Audio							
Audio Steaming	2 way	2 way	2 way	2 way	2 way	-	1 way (Built-in mic)
Environment	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)
Vandal-Proof	V	V	V	V	V	V	V
Operating Temperature	-20°C ~ 50°C (-4°F ~122°F)	-20°C ~ 50°C (-4°F ~122°F)	-40°C ~ 60°C (-40°F ~140°F)	-40°C ~ 60°C (-40°F ~140°F)	-40°C ~ 60°C (-40°F ~140°F)	-20°C ~ 50°C (-4°F ~122°F)	-20°C ~ 50°C (-4°F ~122°F)
Built-in Fan & Heater	-	-	V	V	V	-	-
General							
Analog Video Out	-	-	-	-	-	-	-
Terminal Block	DI/DO	DI/DO	DI/DO	DI/DO	DI/DO	-	-
Wireless	-	-	-	-	-	-	UMTS/HSUPA 850/1900/2100
Hardware WPS Button	-	-	-	-	-	-	-
Local storage	-	-	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G	-	Micro SD/SDHC Slot Max.32G
Power Input	802.3af PoE	802.3af PoE	DC 48V High Power PoE	DC 48V High Power PoE	DC 48V High Power PoE	802.3af PoE	PoE 802.3af PoE
MAX. Power Consumption	6 Watts	6 Watts	25 Watts	25 Watts	25 Watts	3.5 Watts	3.8 Watts
Others							
	3 axis design IK10	3 axis design IK10	3 axis design IK10	3 axis design IK10	3 axis design IK10	EN50155 IK10	Max. mic range: 10m EN50155, IK10

Bullet Series

OB-100Ae



WOB-100Ae



OB-100Ap



WOB-100Ap



GOB-100Ap



Image sensor					
Sensor Size/Res	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS	1/4" 1M CMOS
Shutter Speed	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s	1/24500 s ~ 1/5 s
Max. Resolution	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV	1280x800/HDTV
Lens					
Lens	Included	Included	Included	Included	Included
Lens Mount	Board Lens	Board Lens	Board Lens	Board Lens	Board Lens
Focal Length	f=3.3~12mm	f=3.3~12mm	f=3.3~12mm	f=3.3~12mm	f=3.3~12mm
F value	F1.6	F1.6	F1.4	F1.4	F1.4
View Angle Horizontal	63.6°~17.9°	63.6°~17.9°	63.6°~17.9°	63.6°~17.9°	63.6°~17.9°
Auto Iris Support	Yes	Yes	Yes	Yes	Yes
Day & Night					
Mechanical ICR	V	V	V	V	V
Infrared LED Amount	24 PCS	24 PCS	24 PCS	24 PCS	24 PCS
Infrared LED Distance	15m	15m	15m	15m	15m
PIR/White LED	-	-	-	-	-
Video Compression/Frame Rate					
H.264 (fps@max. res.)	V(15 fps)	V(15 fps)	V(30 fps)	V(30 fps)	V(30 fps)
MPEG-4 (fps@max. res.)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)	V(15 fps)
Motion JPEG (fps@max. res.)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)	V(30 fps)
Audio					
Audio Steaming	2 way	2 way	2 way	2 way	2 way
Environment	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)	Outdoor (IP67)
Vandal-Proof	-	-	-	-	-
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	-20°C ~ 50°C (-4°F ~ 122°F)	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)	-40°C ~ 60°C (-40°F ~ 140°F)
Built-in Fan & Heater	-	-	V	V	V
General					
Analog Video Out	-	-	-	-	-
Terminal Block	DI/DO, RS-485	DI/DO, RS-485	DI/DO, RS-485	DI/DO, RS-485	DI/DO, RS-485
Wireless	-	802.11 a/b/g/n Dual Band	-	802.11 a/b/g/n Dual Band	UMTS/HSUPA 850/1900/2100
Hardware WPS Button	-	-	-	-	-
Local storage	-	-	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G	Micro SD/SDHC Slot Max.32G
Power Input	DC 12V 1A/AC24V 802.3af PoE	DC 12V 1A/AC24V 802.3af PoE	DC 48V High Power PoE	DC 48V High Power PoE	DC 48V High Power PoE
MAX. Power Consumption	12 Watts	12 Watts	30 Watts	30 Watts	30 Watts
Others					
			Smart focus support	Smart focus support	Smart focus support

PTZ		Speed Dome	Video Server Series			
PZ-040D/E 12xp		OSD-040D/E 36xp	VS-01Ae	VS-01Ap	WVS-01Ap	VS-04Ap
						
Image sensor	Sony Super HAD CCD	Sony Super HAD II CCD& Effio DSP	Image sensor	-	-	-
Sensor Size/Res	1/4" D1 CCD	1/4" D1 CCD	Sensor Size/Res	-	-	-
Shutter Speed	1/100000 ~ 1/60	NTSC:1/10000~1/60 / PAL:1/10000~1/50	Shutter Speed	-	-	-
Max. Resolution	NTSC: 720x480 / PAL: 720x576	NTSC: 720x480 / PAL: 720x576	Max. Resolution	NTSC: 720x480 PAL: 720x576	NTSC: 720x480 PAL: 720x576	NTSC: 720x480 PAL: 720x576
Lens	Included	Included	Lens	No	No	No
Lens Mount	Board Lens	Board Lens	Lens Mount	-	-	-
Focal Length	3.8~45.6 mm	3.4~122.4 mm	Focal Length	-	-	-
F value	F1.6 - F2.7	F1.6 ~ F4.5	F value	-	-	-
Optical Zoom	12x	36x	View Angle Horizontal	-	-	-
View Angle Horizontal	4.49°~52.8°	2.0°~61.2°	Auto Iris Support	-	-	-
Auto Iris Support	Yes	Yes	Day & Night	-	-	-
Day & Night			Mechanical ICR	-	-	-
Mechanical ICR	V	V	Infrared LED Amount	-	-	-
Infrared LED Amount	14 PCS	-	Infrared LED Distance	-	-	-
Infrared LED Distance	16 m	-	PIR/White LED	-	-	-
Video Compression/Frame Rate			Video Compression/Frame Rate			
H.264 (fps@max. res.)	V(NTSC:30 fps / PAL: 25 fps)	V(NTSC:30 fps / PAL: 25 fps)	H.264 (fps@max. res.)	V(NTSC:30 fps / PAL:25 fps)	V(NTSC:30 fps / PAL:25 fps)	V(NTSC:30 fps / PAL:25 fps)
MPEG-4(fps@max. res.)	V(NTSC:30 fps / PAL: 25 fps)	V(NTSC:30 fps / PAL: 25 fps)	MPEG-4(fps@max. res.)	V(NTSC:30 fps / PAL:25 fps)	V(NTSC:30 fps / PAL:25 fps)	V(NTSC:30 fps / PAL:25 fps)
Motion JPEG(fps@max. res.)	V(NTSC:30 fps / PAL: 25 fps)	V(NTSC:30 fps / PAL: 25 fps)	Motion JPEG(fps@max. res.)	V(NTSC:30 fps / PAL:25 fps)	V(NTSC:30 fps / PAL:25 fps)	V(NTSC:30 fps / PAL:25 fps)
Audio			Audio			
Audio Streaming	2 way	2 way	Audio Steaming	2 way (Built-in mic)	2 way (Built-in mic)	2 way (Built-in mic)
Environment	Indoor	Outdoor (IP66)	Environment	Indoor	Indoor	Indoor
Vandal-Proof	-	-	Vandal-Proof	-	-	-
Operating Temperature	-10°C ~ 50°C (14°F ~122°F)	-45°C ~+50°C (-49°F ~122°F)	Operating Temperature	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)	0°C ~ 50°C (32°F ~122°F)
Built-in Fan & Heater	-	V	General			
Pan/ Tilt			Analog Video Out	V	V	V
Pan Range	Endless 360°	Endless 360°	Terminal Block	DI/DO, RS-485	DI/DO, RS-485	DI/DO, RS-485
Pan Speed	0.5°~120°/s	0.5°~400°/s	Wireless	-	-	802.11 a/b/g/n Dual Band
Tilt Range	90°(0°~90°)	200°(-10°~190°)	Hardware WPS Button	-	-	V
Tilt Speed	0.5°~120°/s	0.5°~400°/s	Local storage	-	SD/SDHC Slot Max.32G	SD/SDHC Slot Max.32G
General			Power Input	DC 12V 1A 802.3af PoE	DC 12V 1A/AC24V 802.3af PoE	DC 12V 1A/AC24V 802.3af PoE
Analog Video Out	V	V	MAX. Power Consumption	10 Watts	10 Watts	10 Watts
Terminal Block	D/DO	DI/DO	Others			
Local storage	-	-	Max. mic range: 10m	3D de-interlace, 3D noise reduction,	3D de-interlace, 3D noise reduction,	3D de-interlace, 3D noise reduction,
Power Input	High Power PoE/ DC12V 2A	AC 24V	Max. mic range: 10m	Max. mic range: 10m	Max. mic range: 10m	Max. mic range: 10m
MAX. Power Consumption	17 Watts	65 Watts				
Others						
	Regional privacy mask: 8	Regional privacy mask: 16				

Video Management System

NR-1604



P

NR-04A



P

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	√	√	√
Video Access by Web Browser	√	√	√
PTZ Control	√	√	√
Preset Control	√	√	-
Recording			
Continuous Recording	√	√	√
Manual Recording	√	√	√
Schedule Recording	√	√	√
Alarm Recording	√	√	√
Audio Recording *	√	√	-
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	√	√	-
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	√	√	-
DHCP Server	√	√	-
UPnP Support	√	√	√
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)			

Brickcom NVR Series

High Quality Live View/Playback

Export Videos in AVI Format

Advanced PTZ Control

Linux-Embedded Operating System

Multiple Event Recording Options

Pure Web Based Administration



Camera Accessories

Lens	Model name	Product Name	Supported Models
	YV2.1x2.8SR4A-SA2	2.1x Vari-focal Lens with DC Iris	Fixed Box Series
	T3Z2914CS-IR	3x Vari-focal Lens with Manual Iris	FB-100A / FB-130A Series
	TG3Z2914FCS-IR	3x Vari-focal Lens with DC Iris	FB-100A / FB-130A Series
	YV10x5HR4A-SA2	10x Vari-focal Lens with DC Iris	FB-100A/ FB-130A/ FB-130N 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 Bracket	Model name	Product Name	Supported Models
	CI-803 A	Camera Bracket	Fixed Box / (PoE) Cube Series
	CI-803 C	Camera Bracket	Fixed Box / (PoE) Cube Series
	CI-807	Camera Bracket	Bullet Series
	CI-812	Camera Bracket	Bullet Professional Series
	GL-222	Camera Bracket	Cube Series

Camera Accessories

Camera Bracket	Model name	Product Name	Supported Models
	D77H03-WSP	Pendant	Speed Dome Series
	D77H03-WMP	Mini Pendant	Speed Dome Series
	CI-808	Pole Mount	CI-807 / CI-812
	CI-815	Pole Mount	CI-807 / 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
	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

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	WIXC-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
	EoC-300M-HightPoE EoC-300S-HightPoE	Ethernet Over Coax Bridge	All Brickcom cameras
	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

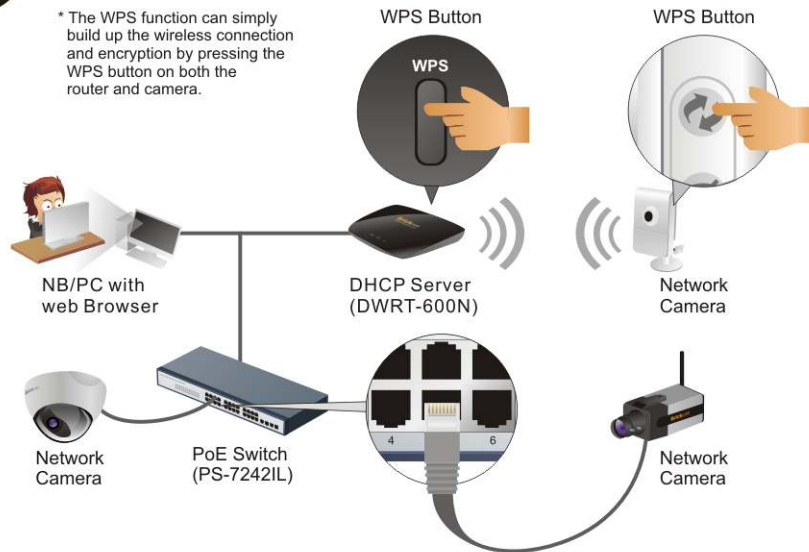
Network Equipment			
Networking	Model name	Product Name	Supported Models
	PS-588I	8-port 10/100M PoE Fast Ethernet Switch	Fixed Box / Fixed Dome / Mini Dome / PoE Cube Series
	PS-7242IL-AF	24-port 10/ 100M PoE Web Smart Ethernet Switch	Fixed Box / Fixed Dome / Mini Dome / PoE Cube Series
	PS-7242IL-AT	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
	3001	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 / Fixed Dome / (PoE) Cube Series
	WAP-350N	Wireless Outdoor N Access Point	All Brickcom cameras

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.



Brickcom

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VMS Compatible



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