Brickcom

2016

BRICKCOM BUYING GUIDE EN

About Brickcom

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

Brickcom combines the know-how of wireless broadband networking, optical image processing, and video streaming to offer the state-of-the-art IP surveillance products for different applications. Brickcom's BrickOne Solution® serves as the "one-stop shop" for various IP network video surveillance needs. Brickcom's FocusEasy™ makes focusing the camera easy and fast without the help of a monitor.

Camera Naming Rule

Wireless Function — **W OB-H 500 A p-WDRPro-LTE**

Performance — Feature code

Camera Type — Resolution — Sensor Type — Version

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

Resolution	
04x	D1
10x	1M
13x	1.3M
20x	2M
30x	3M
40x	4M
50x	5M

Example: OB-500Ap	
OB	Bullet
500	5M
A	CMOS
p	Professional

Sensor Type	
A	CMOS
N	CMOS Sony

Wireless Function	
	No Wireless
W	Wi-Fi
G	3G/3.5G/ 4G LTE

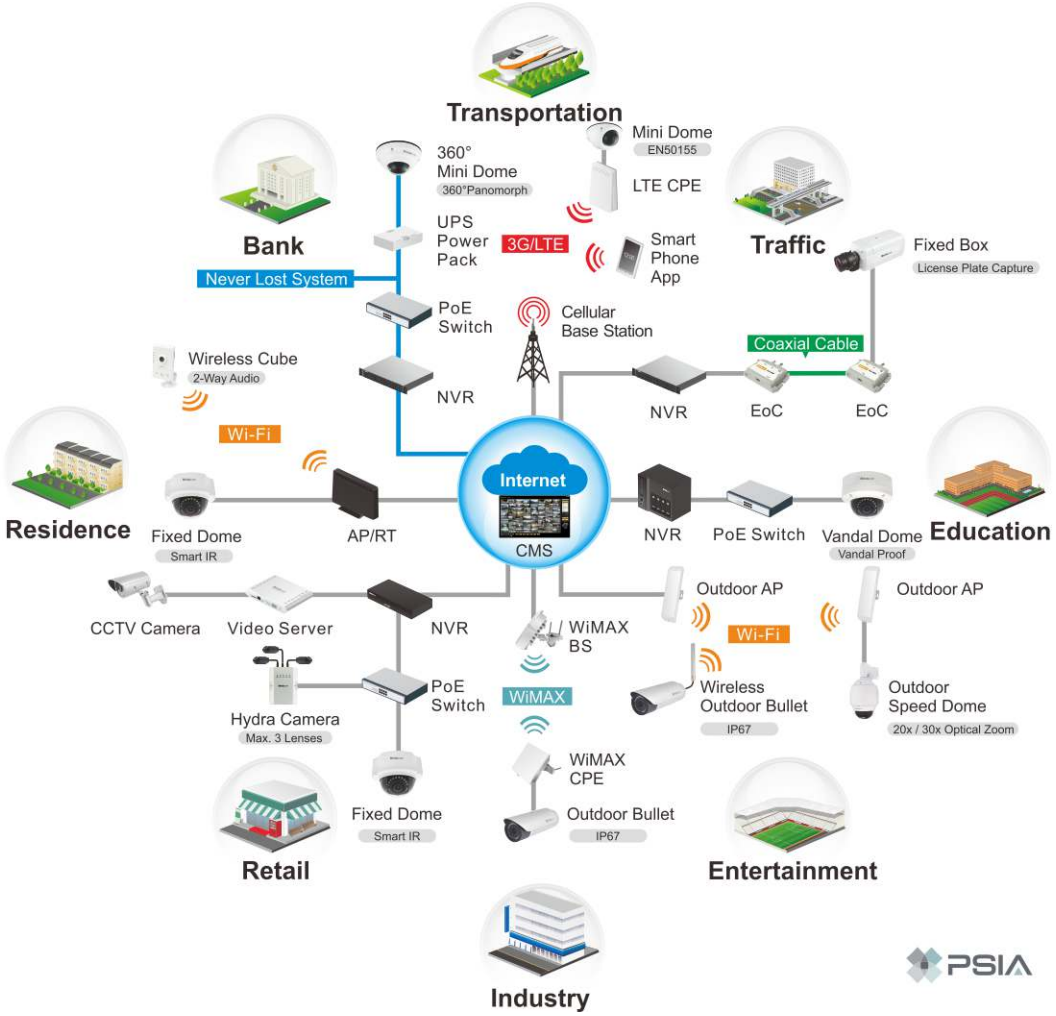
Performance	
	General
H	High Performance / High Resolution

Version	
f	Fixed Lens
e	Economy
p	Professional
a	Advanced

BrickOne Solution®

(Network Cameras + Network Equipment + Video Management System)

Network Cameras	VGA~5M, Wired / Wi-Fi, Video Server, 3G, WDR, Indoor/Outdoor, Vandal Proof, IP67, EN50155, E-Mark, Camera Accessories
Network Equipment	PoE Switch, WiMAX CPE/BS, EoC Bridge, Wi-Fi AP/Router
Video Management System	NVR, CMS



PSIA ONVIF

High Resolution & Performance Series

	FB-H300Np StarPlus	VD-H300Np StarPlus	OB-H300Np StarPlus	FB-H200Np WDRPro	VD-H200Np WDRPro	OB-H200Np WDRPro
	Project Only 3G Option p	Project Only p	Project Only p	 3G Option p	 p	 p
Environment	Indoor	Outdoor	Outdoor	Indoor	Outdoor	Outdoor
Image Sensor	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS
Shutter Speed	1/120000 s ~ 1 s	1/120000 s ~ 1 s	1/120000 s ~ 1 s	1/120000 s ~ 1 s	1/120000 s ~ 1 s	1/120000 s ~ 1 s
Max. Resolution	3M (2048 x 1536)	3M (2048 x 1536)	3M (2048 x 1536)	2M (1920 x 1080)	2M (1920 x 1080)	2M (1920 x 1080)
Focal Length / F Value	-	f=2.8~12mm/F1.4	f=2.8~12mm/F1.4	-	f=2.8~12mm/F1.4	f=2.8~12mm/F1.4
View Angle H/V/D (Normal)	-	95°~33° / 68°~24° / 116°~41°	95°~33° / 68°~24° / 116°~41°	-	98°~34° / 52°~19° / 110°~40°	98°~34° / 52°~19° / 110°~40°
View Angle H/V/D (Ultra Wide Mode)	-	-	-	-	-	-
Min. Illumination (without Infrared)	0.0004 Lux (F1.4,B/W) 0.0005 Lux (F1.4,Color)	0 Lux (IR On,B/W) 0.0004 Lux (F1.4,B/W) 0.0005 Lux (F1.4,Color)	0 Lux (IR On,B/W) 0.0004 Lux (F1.4,B/W) 0.0005 Lux (F1.4,Color)	0.0008 Lux (F1.4,B/W) 0.001 Lux (F1.4,Color)	0 Lux (IR On,B/W) 0.0008 Lux (F1.4,B/W) 0.001 Lux (F1.4,Color)	0 Lux (IR On,B/W) 0.0008 Lux (F1.4,B/W) 0.001 Lux (F1.4,Color)
Iris Control	P-Iris	P-Iris	P-Iris	P-Iris	P-Iris	P-Iris
Infrared LED/Max.Distance	-	20pcs / 60m	20pcs / 60m	-	20pcs / 60m	20pcs / 60m
Mechanical ICR	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (FPS)	30fps/3M (2048 x 1536) 60fps/2M (1920 x 1080)	30fps/3M (2048 x 1536) 60fps/2M (1920 x 1080)	30fps/3M (2048 x 1536) 60fps/2M (1920 x 1080)	60fps/2M (1920 x 1080)	60fps/2M (1920 x 1080)	60fps/2M (1920 x 1080)
Audio Compression	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR
Audio Streaming	2-Way	2-Way	2-Way	2-Way	2-Way	2-Way
Audio Input	Built-in Mic / Line In	Line In	Line In	Built-in Mic / Line In	Line In	Line In
Audio Output	Line Out	Line Out	Line Out	Line Out	Line Out	Line Out
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	-	Yes
Analog Video Out	Yes	Yes	Yes	Yes	Yes	Yes
Wireless	-	-	-	-	-	-
Local Storage	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB
Start-up Temperature	-20°C ~ 50°C (-4°F ~122°F)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)	-20°C ~ 50°C (-4°F ~122°F)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)
Power Input		802.3at PoE Plus	802.3at PoE Plus		802.3at PoE Plus	802.3at PoE Plus
	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE
	DC12V	DC12V/ AC24V	DC12V*/ AC24V*/ DC48V*	DC12V	DC12V/ AC24V	DC12V*/ AC24V*/ DC48V*
Value-Added Features						
	RTC, Temperature Alarm, FocusEasy™ WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement	RTC, Temperature Alarm, FocusEasy™ WDRPro (120dB)	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDRPro (120dB)	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDRPro (120dB)
Remarks						
	Lens Optional (CS Mount)		*with PB-03	Lens Optional (CS Mount)		*with PB-03

Universal Series

	MD-500Ap V6	FD-500Ap V6	VD-500Ap V6	OB-500Ap V6	FB-300Np Star	MD-300Np Star	FD-300Np Star
	Project Only p	Project Only p	p	p	Project Only 3G Option p	Project Only p	p
Environment	Outdoor	Indoor	Outdoor	Outdoor	Indoor	Outdoor	Indoor
Image Sensor	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS
Shutter Speed	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/120000 s ~ 1 s	1/120000 s ~ 1 s	1/120000 s ~ 1 s
Max. Resolution	5M (2592 x 1944)	5M (2592 x 1944)	5M (2592 x 1944)	5M (2592 x 1944)	3M (2048 x 1536)	3M (2048 x 1536)	3M (2048 x 1536)
Focal Length / F Value	f=4.00mm/F1.6	f=3.3~10.5mm/F1.4	f=3.3~10.5mm/F1.4	f=3.3~10.5mm/F1.4	-	f=4.00mm/F1.6	f=2.8~12mm/F1.4
View Angle H/V/D (Normal)	86° / 62° / 116°	86°~33° / 64°~25° / 112°~41°	86°~33° / 64°~25° / 112°~41°	86°~33° / 64°~25° / 112°~41°	-	76° / 56° / 98°	95°~33° / 68°~24° / 116°~41°
View Angle H/V/D (Ultra Wide Mode)	-	-	-	-	-	-	-
Min. Illumination (without Infrared)	0.6 Lux (F1.6,B/W) 0.8 Lux (F1.6,Color)	0 Lux (IR On,B/W) 0.01 Lux (F1.4,B/W) 0.02 Lux (F1.4,Color)	0 Lux (IR On,B/W) 0.01 Lux (F1.4,B/W) 0.02 Lux (F1.4,Color)	0 Lux (IR On,B/W) 0.01 Lux (F1.4,B/W) 0.02 Lux (F1.4,Color)	0.0005 Lux (F1.4,B/W) 0.0006 Lux (F1.4,Color)	0.008 Lux (F1.6,B/W) 0.01 Lux (F1.6,Color)	0 Lux (IR On,B/W) 0.0005 Lux (F1.4,B/W) 0.0006 Lux (F1.4,Color)
Iris Control	Fixed	P-Iris	P-Iris	P-Iris	DC-Iris	Fixed	P-Iris
Infrared LED/Max.Distance	-	20pcs / 60m	20pcs / 60m	20pcs / 60m	-	-	20pcs / 60m
Mechanical ICR	-	Yes	Yes	Yes	Yes	-	Yes
Frame Rate (FPS)	13fps/5M (2592 x 1944) 30fps/2M (1920 x 1080)	13fps/5M (2592 x 1944) 30fps/2M (1920 x 1080)	13fps/5M (2592 x 1944) 30fps/2M (1920 x 1080)	13fps/5M (2592 x 1944) 30fps/2M (1920 x 1080)	30fps/3M (2048 x 1536) 30fps/2M (1920 x 1080)	30fps/3M (2048 x 1536) 30fps/2M (1920 x 1080)	30fps/3M (2048 x 1536) 30fps/2M (1920 x 1080)
Audio Compression	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR
Audio Streaming	1-Way	2-Way	2-Way	2-Way	2-Way	1-Way	2-Way
Audio Input	Built-in Mic	Line In	Line In	Line In	Line In	Built-in Mic	Line In
Audio Output	-	Line Out	Line Out	Line Out	Line Out	-	Line Out
DI/DO	-	Yes (1/1)	Yes (1/1)	Yes (1/1)	Yes (1/1)	-	Yes (1/1)
RS-485	-	-	-	Yes	Yes	-	-
Analog Video Out	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wireless	-	-	-	-	-	-	-
Local Storage	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB
Start-up Temperature	-25°C ~ 55°C (-13°F ~131°F)	-20°C ~ 50°C (-4°F ~122°F)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)	-20°C ~ 50°C (-4°F ~122°F)	-25°C ~ 55°C (-13°F ~131°F)	-20°C ~ 50°C (-4°F ~122°F)
Power Input			802.3at PoE Plus	802.3at PoE Plus			
	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE
	DC12V*/ AC24V*/ DC48V*	DC12V/ AC24V	DC12V / AC24V	DC12V*/ AC24V*/ DC48V*	DC12V	DC12V*/ AC24V*/ DC48V*	DC12V / AC24V
Value-Added Features							
	IP67, EN50155, Vandal Proof, RTC, Various Lens Options, Flexible Lens Direction, E-Mark WDR Enhancement	RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement	RTC, FocusEasy™ WDR Enhancement	IP67, EN50155, Vandal Proof, RTC, Various Lens Options, Flexible Lens Direction, E-Mark WDR Enhancement	RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement
Remarks							
	*with PB-03			*with PB-03	Lens Optional (CS Mount)	*with PB-03	

Universal Series

	VD-300Np Star	OB-300Np Star	FB-200Np V6	MD-200Np V6	FD-200Np V6	VD-200Np V6	OB-200Np V6
				Project Only			
	p	p	3G Option p	p	p	p	p
Environment	Outdoor	Outdoor	Indoor	Outdoor	Indoor	Outdoor	Outdoor
Image Sensor	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS
Shutter Speed	1/120000 s ~ 1 s	1/120000 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	3M (2048 x 1536)	3M (2048 x 1536)	2M (1920 x 1080)	2M (1920 x 1080)	2M (1920 x 1080)	2M (1920 x 1080)	2M (1920 x 1080)
Focal Length / F Value	f=2.8~12mm/F1.4	f=2.8~12mm/F1.4	-	f=4.00mm/F1.6	f=2.8~12mm/F1.4	f=2.8~12mm/F1.4	f=2.8~12mm/F1.4
View Angle H/V/D (Normal)	95°~33° / 68°~24° / 116°~41°	95°~33° / 68°~24° / 116°~41°	-	82° / 44° / 96°	96°~35° / 52°~20° / 106°~40°	96°~35° / 52°~20° / 106°~40°	96°~35° / 52°~20° / 106°~40°
View Angle H/V/D (Ultra Wide Mode)	-	-	-	-	-	-	-
Min. Illumination (without Infrared)	0 Lux (IR On,B/W) 0.0005 Lux (F1.4,B/W) 0.0006 Lux (F1.4,Color)	0 Lux (IR On,B/W) 0.0005 Lux (F1.4,B/W) 0.0006 Lux (F1.4,Color)	0.001 Lux (F1.4,B/W) 0.002 Lux (F1.4,Color)	0.02 Lux (F1.6,B/W) 0.03 Lux (F1.6,Color)	0 Lux (IR On,B/W) 0.001 Lux (F1.4,B/W) 0.002 Lux (F1.4,Color)	0 Lux (IR On,B/W) 0.001 Lux (F1.4,B/W) 0.002 Lux (F1.4,Color)	0 Lux (IR On,B/W) 0.001 Lux (F1.4,B/W) 0.002 Lux (F1.4,Color)
Iris Control	P-Iris	P-Iris	DC-Iris	Fixed	P-Iris	P-Iris	P-Iris
Infrared LED/Max.Distance	20pcs / 60m	20pcs / 60m	-	-	20pcs / 60m	20pcs / 60m	20pcs / 60m
Mechanical ICR	Yes	Yes	Yes	-	Yes	Yes	Yes
Frame Rate (FPS)	30fps/3M (2048 x 1536) 30fps/2M (1920 x 1080)	30fps/3M (2048 x 1536) 30fps/2M (1920 x 1080)	30fps/2M (1920 x 1080)	30fps/2M (1920 x 1080)	30fps/2M (1920 x 1080)	30fps/2M (1920 x 1080)	30fps/2M (1920 x 1080)
Audio Compression	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR
Audio Streaming	2-Way	2-Way	2-Way	1-Way	2-Way	2-Way	2-Way
Audio Input	Line In	Line In	Line In	Built-in Mic	Line In	Line In	Line In
Audio Output	Line Out	Line Out	Line Out	-	Line Out	Line Out	Line Out
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	Yes	Yes	Yes
Wireless	-	-	-	-	-	-	-
Local Storage	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB	Micro SD/SDHC/SDXC Slot Max. 128GB
Start-up Temperature	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)	-20°C ~ 50°C (-4°F ~122°F)	-25°C ~ 55°C (-13°F ~131°F)	-20°C ~ 50°C (-4°F ~122°F)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)
Power Input	802.3at PoE Plus	802.3at PoE Plus				802.3at PoE Plus	802.3at PoE Plus
	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE
	DC12V / AC24V	DC12V*/ AC24V*/ DC48V*	DC12V	DC12V*/ AC24V*/ DC48V*	DC12V / AC24V	DC12V / AC24V	DC12V*/ AC24V*/ DC48V*
Value-Added Features							
	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement	RTC, FocusEasy™ WDR Enhancement	IP67, EN50155, Vandal Proof, RTC, Various Lens Options, Flexible Lens Direction, E-Mark WDR Enhancement	RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement
Remarks							
		*with PB-03	Lens Optional (CS Mount)	*with PB-03			*with PB-03