



Brickcom

BRICKCOM EN
BUYING GUIDE

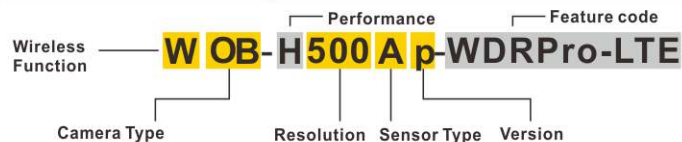
CAMERA | NVR | CMS

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



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

Resolution		Wireless Function	
04x	D1	No Wireless	
10x	1M	W	Wi-Fi
13x	1.3M	G	3G/3.5G/ 4G LTE
20x	2M		
30x	3M		
40x	4M		
50x	5M		

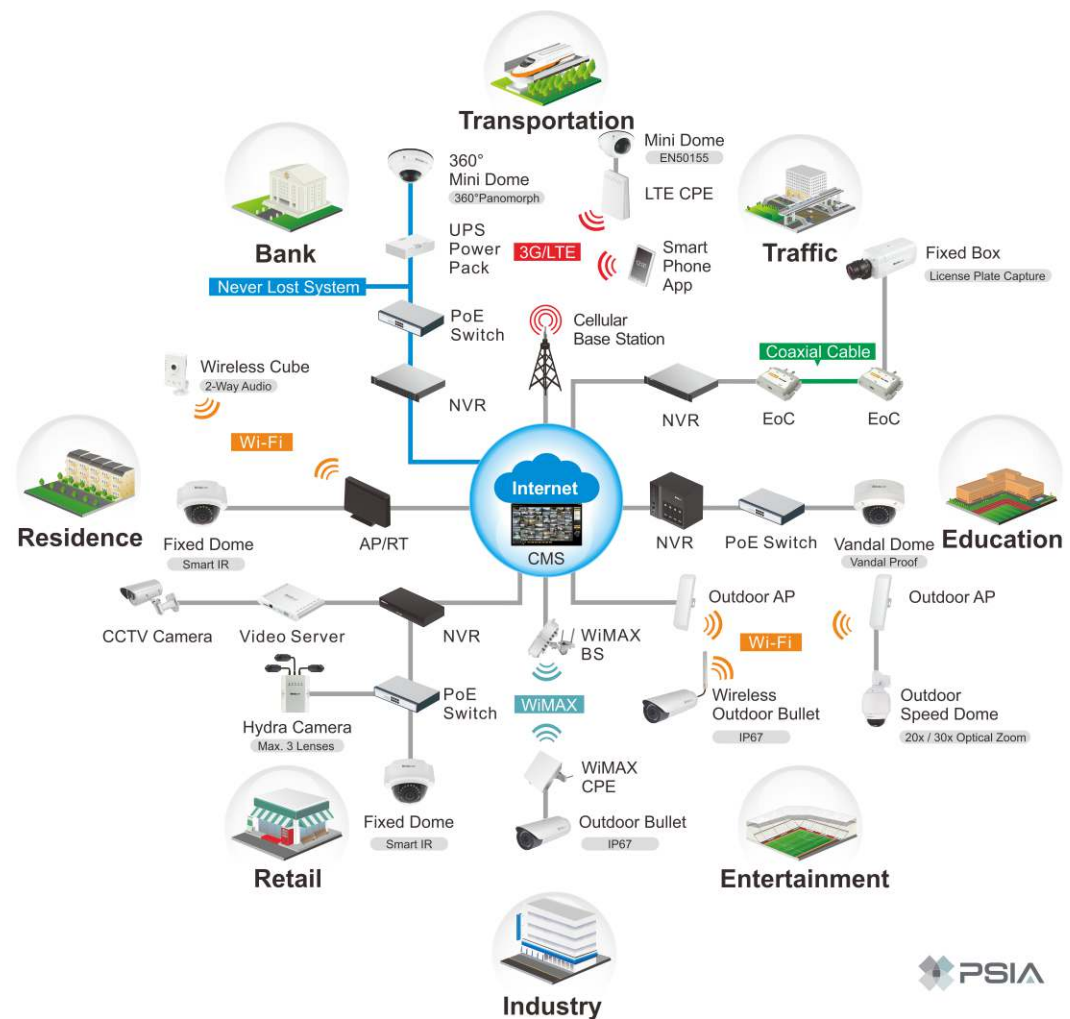
Performance		Version	
	General		
H	High Performance / High Resolution		

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

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



High Performance Series

FB-H300Np StarPlus



Project Only

P

VD-H300Np StarPlus



Project Only

P

OB-H300Np StarPlus



Project Only

P

FB-H200Np WDRPro



P

VD-H200Np WDRPro



P

OB-H200Np WDRPro



P

Environment	Indoor	Outdoor	Outdoor	Indoor	Outdoor	Outdoor
Image Sensor	1/2.8" Sony STARVIS CMOS	1/2.8" Sony STARVIS CMOS	1/2.8" Sony STARVIS 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 Lux (IR On,B/W)	0 Lux (IR On,B/W)	-	0 Lux (IR On,B/W)	0 Lux (IR On,B/W)
	0.0004 Lux (F1.4,B/W)	0.0004 Lux (F1.4,B/W)	0.0004 Lux (F1.4,B/W)	0.0008 Lux (F1.4,B/W)	0.0008 Lux (F1.4,B/W)	0.0008 Lux (F1.4,B/W)
	0.0005 Lux (F1.4,Color)	0.0005 Lux (F1.4,Color)	0.0005 Lux (F1.4,Color)	0.001 Lux (F1.4,Color)	0.001 Lux (F1.4,Color)	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)	30fps/3M (2048 x 1536)	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)	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	Micro SD/SDHC/SDXC Slot	Micro SD/SDHC/SDXC Slot	Micro SD/SDHC/SDXC Slot	Micro SD/SDHC/SDXC Slot	Micro SD/SDHC/SDXC Slot
	Max. 128GB	Max. 128GB	Max. 128GB	Max. 128GB	Max. 128GB	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	DC12V	DC12V/ AC24V	DC12V
Value-Added Features						
	RTC, Temperature Alarm, FocusEasy™ WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement, UL	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement, UL	RTC, Temperature Alarm, FocusEasy™ WDRPro (120dB)	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDRPro (120dB), UL	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDRPro (120dB), UL
Remarks	Lens Optional (CS Mount)			Lens Optional (CS Mount)		

Universal Series

FD-500Ap V6



Project Only

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VD-500Ap V6



Project Only

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OB-500Ap V6



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FB-300Np Star



Project Only

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MD-300Np Star



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FD-300Np Star



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Environment	Indoor	Outdoor	Outdoor	Indoor	Outdoor	Indoor
Image Sensor	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.8" Sony STARVIS CMOS	1/2.8" Sony STARVIS CMOS	1/2.8" Sony STARVIS CMOS
Shutter Speed	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)	3M (2048 x 1536)	3M (2048 x 1536)	3M (2048 x 1536)
Focal Length / F Value	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°~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 Lux (IR On,B/W)	0 Lux (IR On,B/W)	0 Lux (IR On,B/W)	-	-	0 Lux (IR On,B/W)
	0.01 Lux (F1.4,B/W)	0.01 Lux (F1.4,B/W)	0.01 Lux (F1.4,B/W)	0.0005 Lux (F1.4,B/W)	0.008 Lux (F1.6,B/W)	0.0005 Lux (F1.4,B/W)
	0.02 Lux (F1.4,Color)	0.02 Lux (F1.4,Color)	0.02 Lux (F1.4,Color)	0.0006 Lux (F1.4,Color)	0.01 Lux (F1.6,Color)	0.0006 Lux (F1.4,Color)
Iris Control	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)	13fps/5M (2592 x 1944)	13fps/5M (2592 x 1944)	30fps/3M (2048 x 1536)	30fps/3M (2048 x 1536)	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
Audio Streaming	2-Way	2-Way	2-Way	2-Way	1-Way	2-Way
Audio Input	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
Wireless	-	-	-	-	-	-
Local Storage	Micro SD/SDHC/SDXC Slot	Micro SD/SDHC/SDXC Slot	Micro SD/SDHC/SDXC Slot	Micro SD/SDHC/SDXC Slot	Micro SD/SDHC/SDXC Slot	Micro SD/SDHC/SDXC Slot
	Max. 128GB	Max. 128GB	Max. 128GB	Max. 128GB	Max. 128GB	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)	-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
	DC12V/ AC24V	DC12V / AC24V	DC12V	DC12V	DC12V	DC12V / AC24V
Value-Added Features						
	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, UL	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement, UL	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						

Lens Optional (CS Mount)

Universal Series

VD-300Np Star



P

OB-300Np Star



P

FB-200Np V6



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FD-200Np V6



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VD-200Np V6



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OB-200Np V6



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Environment	Outdoor	Outdoor	Indoor	Indoor	Outdoor	Outdoor
Image Sensor	1/2.8" Sony STARVIS CMOS	1/2.8" Sony STARVIS 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
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)
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	f=2.8~12mm/F1.4
View Angle H/V/D (Normal)	95°~33° / 68°~24° / 116°~41°	95°~33° / 68°~24° / 116°~41°	-	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 Lux (IR On,B/W)		0 Lux (IR On,B/W)	0 Lux (IR On,B/W)	0 Lux (IR On,B/W)
	0.0005 Lux (F1.4,B/W)	0.0005 Lux (F1.4,B/W)	0.001 Lux (F1.4,B/W)	0.001 Lux (F1.4,B/W)	0.001 Lux (F1.4,B/W)	0.001 Lux (F1.4,B/W)
	0.0006 Lux (F1.4,Color)	0.0006 Lux (F1.4,Color)	0.002 Lux (F1.4,Color)	0.002 Lux (F1.4,Color)	0.002 Lux (F1.4,Color)	0.002 Lux (F1.4,Color)
Iris Control	P-Iris	P-Iris	DC-Iris	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)
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	Line In	Line In	Line In	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
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	-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)	-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 / AC24V	DC12V	DC12V	DC12V / AC24V	DC12V / AC24V	DC12V
Value-Added Features						
	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement, UL	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement, UL	RTC, FocusEasy™ 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, UL	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement, UL

Remarks

Lens Optional (CS Mount)

Budgetary Series

FD-500Ae V6



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VD-500Ae V6



e

OB-500Ae V6



e

FB-300Ne Star



e

Project Only

FD-300Ne Star



e

Project Only

VD-300Ne Star



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Environment	Indoor	Outdoor	Outdoor	Indoor	Indoor	Outdoor
Image Sensor	1/2.5" CMOS	1/2.5" CMOS	1/2.5" CMOS	1/2.8" Sony STARVIS CMOS	1/2.8" Sony STARVIS CMOS	1/2.8" Sony STARVIS CMOS
Shutter Speed	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)	3M (2048 x 1536)	3M (2048 x 1536)	3M (2048 x 1536)
Focal Length / F Value	f=3.3~10.5mm/F1.4	f=3.3~10.5mm/F1.4	f=3.3~10.5mm/F1.4	-	f=2.8~12mm/F1.4	f=2.8~12mm/F1.4
View Angle H/V/D (Normal)	86°~33° / 64°~25° / 112°~41°	86°~33° / 64°~25° / 112°~41°	86°~33° / 64°~25° / 112°~41°	-	95°~33° / 68°~24° / 116°~41°	95°~33° / 68°~24° / 116°~41°
View Angle H/V/D (Ultra Wide Mode)	-	-	-	-	-	-
Min. Illumination (without Infrared)	0 Lux (IR On,B/W)	0 Lux (IR On,B/W)	0 Lux (IR On,B/W)	-	0 Lux (IR On,B/W)	0 Lux (IR On,B/W)
	0.01 Lux (F1.4,B/W)	0.01 Lux (F1.4,B/W)	0.01 Lux (F1.4,B/W)	0.0005 Lux (F1.4,B/W)	0.0005 Lux (F1.4,B/W)	0.0005 Lux (F1.4,B/W)
	0.02 Lux (F1.4,Color)	0.02 Lux (F1.4,Color)	0.02 Lux (F1.4,Color)	0.0006 Lux (F1.4,Color)	0.0006 Lux (F1.4,Color)	0.0006 Lux (F1.4,Color)
Iris Control	Fixed	Fixed	Fixed	DC-Iris	Fixed	Fixed
Infrared LED/Max.Distance	12pcs / 30m	12pcs / 30m	12pcs / 30m	-	12pcs / 30m	12pcs / 30m
Mechanical ICR	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (FPS)	13fps/5M (2592 x 1944)	13fps/5M (2592 x 1944)	13fps/5M (2592 x 1944)	30fps/3M (2048 x 1536)	30fps/3M (2048 x 1536)	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
Audio Streaming	2-Way	2-Way	2-Way	2-Way	2-Way	2-Way
Audio Input	Line In	Line In	Line In	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	-	-
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)	-20°C ~ 50°C (-4°F ~122°F)	-20°C ~ 50°C (-4°F ~122°F)	-20°C ~ 50°C (-4°F ~122°F)	-20°C ~ 50°C (-4°F ~122°F)	-20°C ~ 50°C (-4°F ~122°F)
Power Input						
	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE
	DC12V / AC24V	DC12V / AC24V	DC12V	DC12V	DC12V / AC24V	DC12V / AC24V
Value-Added Features						
	RTC, Temperature Alarm, SmartFocus WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus WDR Enhancement	IP66, RTC, Temperature Alarm, Smart IR, SmartFocus, Cable Management WDR Enhancement	RTC WDR Enhancement	RTC, Temperature Alarm, SmartFocus WDR Enhancement	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus WDR Enhancement
Remarks						

Lens Optional (CS Mount)



Unique Camera Series

PH-100Ah kit-A



3G Option p

PH-100Ah kit-B



3G Option p

WMB-300Ap V6



WiFi p

MD-H600Np-360 DN



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Environment	Indoor	Indoor	Indoor	Outdoor
Image Sensor	1/4" CMOS	1/4" CMOS	1/3" CMOS	1/1.8" Sony Exmor™ CMOS
Shutter Speed	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/120000 s ~ 1 s	1/120000 s ~ 1 s
Max. Resolution	1M (1280 x 720)	1M (1280 x 720)	3M (2304 x 1296)	5.5M (2720 x 2040)
Focal Length / F Value	f=3.7mm/F2.5	f=2.3mm/F2.5	f=2.8mm/F1.8	f=1.05mm/F2.8
View Angle H/V/D (Normal)	57° / 30° / 66°	100° / 56° / 128°	100° / 56° / 114°	182°± 2°
View Angle H/V/D (Ultra Wide Mode)	-	-	-	-
Min. Illumination (without Infrared)	1 Lux (F2.5,B/W) 1.2 Lux (F2.5,Color)	1 Lux (F2.5,B/W) 1.2 Lux (F2.5,Color)	0 Lux (IR On,B/W) 0.003 Lux (F1.8,B/W) 0.005 Lux (F1.8,Color)	0 Lux (IR On,B/W) 0.005 Lux (F1.6,B/W) 0.006 Lux (F1.6,Color)
Iris Control	Fixed	Fixed	Fixed	Fixed
Infrared LED/Max.Distance	-	-	30pcs/15m	4pcs/10m
Mechanical ICR	-	-	Yes	Yes
Frame Rate (FPS)	30fps/1M (1280 x 720)	30fps/1M (1280 x 720)	30fps/3M (2304 x 1296) 30fps/2M (1920 x 1080)	15fps/5.5M (2720 x 2040)
Audio Compression	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR
Audio Streaming	2-Way	2-Way	2-Way	2-Way
Audio Input	Line In	Line In	Built-in Mic	Built-in Mic
Audio Output	Line Out	Line Out	Built-in Speaker	-
DI/DO	Yes (2/2)	Yes (2/2)	Yes (1/1)	Yes (1/1)
RS-485	-	-	-	-
Analog Video Out	-	-	-	-
Wireless	-	-	802.11 a/b/g/n with WPS	-
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
Start-up Temperature	-20°C ~ 50°C (-4°F ~122°F)	-20°C ~ 50°C (-4°F ~122°F)	-20°C ~ 50°C (-4°F ~122°F)	-20°C ~ 50°C (-4°F ~122°F)
Power Input				
	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE
	DC12V	DC12V	DC12V	
Value-Added Features				
	Super-Covert Camera Design, Max. 3 Lenses, Edge Recording Support	Super-Covert Camera Design, Max. 3 Lenses, Edge Recording Support	Privacy Mask Button WDR Enhancement PIR	Vandal Proof, RTC, IP67, WDR Enhancement
Remarks				

Unique Camera Series

WOB-300Np Star



GOB-300Np Star LTE



OB-200Np-LR WDRPro-20x



OSD-200Np 30x



Environment	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	1/2.8" Sony STARVIS CMOS	1/2.8" Sony STARVIS CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Shutter Speed	1/120000 s ~ 1 s	1/120000 s ~ 1 s	1/30000 s ~ 1/30 s	1/60000 s ~ 1/30s
Max. Resolution	3M (2048 x 1536)	3M (2048 x 1536)	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=4.7mm~94.0mm/F1.6	f=4.3~129mm/F1.6
View Angle H/V/D (Normal)	95°~33° / 68°~24° / 116°~41°	95°~33° / 68°~24° / 116°~41°	55.4°~2.9° / 32.6°~1.6° / 62.7°~3.3°	58.9°~2.1° / 45.3°~1.61° / 71.3°~2.6°
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 Lux (IR On,B/W) 0.001 Lux (B/W) 0.002 Lux (Color)	0.001 lux (B/W) 0.002 lux (Color)
Iris Control	P-Iris	P-Iris	DC-Iris	DC-Iris
Infrared LED/Max.Distance	20pcs / 60m	20pcs / 60m	4pcs / 150m	-
Mechanical ICR	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)
Audio Compression	G.711/AMR	G.711/AMR	G.711/AMR	G.711/AMR
Audio Streaming	2-Way	2-Way	2-Way	2-Way
Audio Input	Line In	Line In	Line In	Line In
Audio Output	Line Out	Line Out	Line Out	Line Out
DI/DO	Yes (1/1)	Yes (1/1)	Yes (1/1)	Yes (4/2)
RS-485	Yes	Yes	Yes	-
Analog Video Out	Yes	Yes	Yes	-
Wireless	802.11 a/b/g/n with WPS	B1/B2/B3/B5/B7/B8/B20	-	-
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
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)	-40°C~60°C (-40°F~140°F): 802.3at -20°C~60°C (-4°F~140°F)	-40°C~50°C (-40°F~122°F): 802.3at -20°C~50°C (-4°F~122°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
	DC12V	DC12V	DC12V	DC12V
Value-Added Features				
	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement, UL	IP67, Vandal Proof, RTC, Temperature Alarm, Smart IR, SmartFocus, Auto IR Focus WDR Enhancement, UL	IP67, Vandal Proof, RTC, Electronic Image Stabilizer (EIS), Temperature Alarm, Smart IR AutoFocus, 20X Optical Zoom WDRPro (120dB)	IP66, 16 Privacy Masks, 256 Presets, Electronic Image Stabilizer (EIS), 30X Optical Zoom WDRPro (120dB)
Remarks				

Video Management System

BRC64 Professional



General	
Camera Support	1~64
Compression Format	Motion-JPEG/ MPEG-4/ H.264
E-Map	Yes
Video Access by Web Browser	Yes
PTZ Control	Yes
Preset Control	Yes
Recording	
Continuous Recording	Yes
Manual Recording	Yes
Schedule Recording	Yes
Alarm Recording	Yes
Audio Recording	Yes
Buffer Storage for Alarm Images (before and after events)	Post-Recording: 1~600 sec
Playback	
Playback Mode	Play/Pause/ Stop/ Forward/ Reverse/ Speed Adjust/ Frame by Frame
Video Search	Time/ Date, Event
Multi-Channel Playback	Max.16
Security	
User Authority Management	Yes
Concurrent Login	Yes
Network	
DHCP Client Support	-
DHCP Server	-
UPnP Support	Yes
I/O Port	
USB 2.0	depends on PC H/W SPEC
Network Port	depends on PC H/W SPEC
HDD i/f	depends on PC H/W SPEC
Value-Added Features	

Remote Live View & Playback,
Broadcast, TV Wall,
Generic RTSP, Corridor Mode

CMS Client / Matrix



General	
Max. Channels	Up to 1024 channels with multiple Brickcom NVRs
Advanced Image Rotation	90°, 180° or 270° degree image rotation supported
Smart Stream Optimization	Automatically adjust streaming quality
Event Notification	Highlight Video Window Event Log History Event Log Instant Playback
Emap	Multi-layer Maps for comprehensive overview / Intuitive E-map Indicator / Multiple Image Formats Support / Event Notification
Playback	
Multi-channel Playback	16 channels high megapixel simultaneous playback for detail scene investigation Motion Detection
Smart Search	Foreign Object Detection Missing Object Detection DeFocus Alarm Tampering Detection Yes
De-warping Methods	Yes
Digital Zoom	Yes
Video Export and Snapshot	
Video Wall Configuration (with CMS-Matrix**)	
Multi-Monitor Management	Flexible User-defined layout Sequential Setting Yes
Video Wall Setting Preview	Yes
Dual-Stream Support	

MNR-1104+



General	
Camera Support	1~4
Operating System	
Maximum Network Throughput	300Mbps
Full HD Local Display	Yes (HDMI x1, VGA x1)
Maximum Frame Rate (FPS) in Local Display	4K UHD: 120 / Full HD: 300 HD: 600 / D1: 900
Storage Capacity Per HDD	Up to 2 TB
Maximum Capacity	Up to 2 TB (2.5" SATA HDD/ SSD x1)
HDD Tray	1
Multi-NVR Server Monitoring	Yes (Up to 144 Channels)
Video Format	Motion-JPEG/ MPEG-4/ H.264 (Depending on Camera Models)
Disk Configuration	JBOD
CPU	Intel High performance CPU
GPIO	4 in, 4 out
LAN Port	Gigabit x4
USB Connector	USB 2.0 x4
H/W Dimension	64.8(H) x 273.8(W) x 188(D) mm 2.55(H) x 10.78(W) x 7.4(D) inch
License Channel Upgrade	Support up to 36 channels

Video Management System

NR-2008-E



NR-2104+ / NR-2108+
NR-2116+



NR-4208+ / NR-4216+



NR-8216-RM+ / NR-8232-RM+



General				
Camera Support	1~8	1~4 (NR-2104+) / 1~8 (NR-2108+) 1~16 (NR-2116+)	1~8 (NR-4208+) 1~16 (NR-4216+)	1~16 (NR-8216-RM+) 1~32 (NR-8232-RM+)
Operating System	Linux-Embedded	Linux-Embedded	Linux-Embedded	Linux-Embedded
Maximum Network Throughput	80Mbps	400Mbps	400Mbps	400Mbps
Full HD Local Display	Yes (HDMI)	Yes (HDMI x1, DVI-I x1)	Yes (HDMI x1, VGA x1)	Yes (HDMI x1, VGA x1)
Maximum Frame Rate (FPS) in Local Display	HD:180 FPS	4K UHD: 200 / Full HD: 480 HD: 720 / D1: 1000	4K UHD: 200 / Full HD: 480 HD: 720 / D1: 1000	4K UHD: 200 / Full HD: 480 HD: 720 / D1: 1000
Storage Capacity Per HDD	Up to 4 TB	Up to 8 TB	Up to 8 TB	Up to 8 TB
Maximum Capacity	Up to 8 TB (2.5"/ 3.5" SATA HDD x2)	Up to 16 TB (2.5"/ 3.5" SATA HDD x2)	Up to 32 TB (2.5"/ 3.5" SATA HDD x4)	Up to 64 TB (2.5"/ 3.5" SATA HDD x8)
HDD Tray	2 (Internal)	2 (Internal)	4(Hot-swappable and lockable tray)	8(Hot-swappable and lockable tray)
Multi-NVR Server Monitoring		Yes (Up to 256 Channels)	Yes (Up to 256 Channels)	Yes (Up to 256 Channels)
Video Format	MPEG-4/ H.264	Motion-JPEG/ MPEG-4/ H.264 (Depending on Camera Models)	Motion-JPEG/ MPEG-4/ H.264 (Depending on Camera Models)	Motion-JPEG/ MPEG-4/ H.264 (Depending on Camera Models)
Disk Configuration		Single, JBOD, RAID 0/1	JBOD, RAID 0/1/10/5/6	JBOD, RAID 0/1/10/5/6
CPU	ARM CPU	Intel Dual Core CPU	Intel Dual Core CPU	Intel Dual Core CPU
GPIO		-	4 in, 2 out	4 in, 2 out
LAN Port	Gigabit x1	Gigabit x1	Gigabit x2	Gigabit x2
USB Connector	USB 2.0 x2	USB 3.0 x2 and USB 2.0 x4	USB 2.0 x6	USB 3.0 x1 and USB 2.0 x4
H/W Dimension	48(H) x360(W) x260(D) mm 1.88(H) x14.1(W) x10.2(D) inch	63.2(H) x295(W) x271(D) mm 2.49(H) x11.61 (W) x10.67 (D) inch	184.94(H) x205.3(W) x245.8(D) mm 7.28(H) x8.08 (W) x9.68 (D) inch	88.1(H) x481(W) x554(D) mm 3.46(H) x18.9(W) x21.8(D) inch
License Channel Upgrade		Support up to 36 channels	Support up to 36 channels	Support up to 36 channels



Video Management System

NR-8364-RM+



NR-16364-RM+



General		
Camera Support	1~64	1~64
Operating System	Linux-Embedded	Linux-Embedded
Maximum Network Throughput	450Mbps	450Mbps
Full HD Local Display	Yes (HDMI x1, VGA x1)	Yes (HDMI x1, VGA x1)
Maximum Frame Rate (FPS) in Local Display	4K UHD: 360 / Full HD: 900 HD: 1200 / D1: 1600	4K UHD: 360 / Full HD: 900 HD: 1200 / D1: 1600
Storage Capacity Per HDD	Up to 8 TB	Up to 10 TB
Maximum Capacity	Up to 64 TB (2.5"/ 3.5" SATA HDD x8)	Up to 160 TB (2.5"/ 3.5" SATA HDD x16)
HDD Tray	8(Hot-swappable and lockable tray)	16(Hot-swappable and lockable tray)
Multi-NVR Server Monitoring	Yes (Up to 256 Channels)	Yes (Up to 256 Channels)
Video Format	Motion-JPEG/ MPEG-4/ H.264 (Depending on Camera Models)	Motion-JPEG/ MPEG-4/ H.264 (Depending on Camera Models)
Disk Configuration	JBOD, RAID 0/1/10/5/6	JBOD, RAID 0/1/10/5/6
CPU	Intel High Speed CPU	Intel High Speed CPU
GPIO	4 in, 2 out	4 in, 2 out
LAN Port	Gigabit x2	Gigabit x2
USB Connector	USB 3.0 x1 and USB 2.0 x4	USB 2.0 x1 and USB 2.0 x4
H/W Dimension	88.1(H) x481(W) x554(D) mm 3.46(H) x18.9(W) x21.8(D) inch	133.4(H) x481(W) x551.5(D) mm 5.25(H) x18.93(W) x21.71(D) inch
License Channel Upgrade	Support up to 64 channels	Support up to 64 channels

Camera Accessories

Lens	Part Number	Product Description	Supported Models
	YC-27	Fixed Focal Lens 1/3" CS-Mount, 2MP, f=4.05mm, F1.5	FB Series
	M13F04218IR	Fixed Focal Lens 1/3" CS-Mount, 2MP, f=4.2mm, F1.8	FB Series
	M13VG288IR	Vari-focal Lens with DC Iris 1/3" CS-Mount, 3MP, 2.2x, f=2.8~8mm, F1.2	FB Series (DC-Iris)
	3M2.812AUCS	Vari-focal Lens with DC-Iris 1/2.7", CS-Mount, 3MP, 4.3x, f=2.8~12mm, F1.2	FB Series (DC-Iris)
	TG3Z2914FCS-IR	Vari-focal Lens with DC Irirs 1/3" CS-Mount, 1MP, 3x, f=2.9~8.2mm, F1.4	FB Series (DC-Iris)
	YV10x5HR4A-SA2L	Vari-focal Lens with DC-Iris 1/3", CS-Mount, 2MP, 10x, f=5.5~50mm, F1.6	FB Series (DC-Iris)
	2M0660AUCS	Vari-focal Lens with DC-Iris 1/3", CS-Mount, 2MP, 10x, f=6~60mm, F1.4	FB Series (DC-Iris)
	MTV3X2812S	4x Vari-focal Lens with P-Iris 1/3", CS mount, 3MP, 3.21x, f=2.8mm~9mm, F1.2	FB-H Series (P-Iris)
	MSV7X7515S	6.7x Vari-focal Lens with P-Iris 1/2.7", CS mount, 3MP, 6.7x, f=7.5mm~50mm, F1.2	FB-H Series (P-Iris)



Camera Accessories

Outdoor Enclosure	Part Number	Product Description	Supported Models
	EN-2070HF	Infrared Illuminator Enclosure	FB Series
	EN-1000H	Outdoor Enclosure	FB Series
	EN-1000H-IR1	Outdoor Enclosure with 1 Unit Infrared Illuminator	FB Series
	EN-1000HF-IR1	Outdoor Enclosure with 1 Unit Infrared Illuminator	FB Series
	EN-1000H-IR2	Outdoor Enclosure with 2 Units Infrared Illuminator	FB Series
	EN-1000HF-IR2	Outdoor Enclosure with 2 Units Infrared Illuminator	FB Series
	IR040	Infrared Illuminators	EN-1000H
Camera Bracket	Part Number	Product Description	Supported Models
	CI-802 A	Camera Bracket	MD / FD / VD Series
	CI-803 A V2	Camera Bracket	FB / CB / MB Series
	CI-803 C	Camera Bracket	FB / CB / MB Series
	CI-812	Camera Bracket	OB Ap Series / OB Np Series
	CI-812-LR	Camera Bracket	OB-200Np-LR
	CI-815	Pole Mount	CI-812

Camera Accessories

Camera Bracket	Part Number	Product Description	Supported Models
	L-WM-01	L- Shape Wall Mount Bracket	FD / VD Series
	RM-2U01	Rail Mount	NR-8216-RM / NR-8232-RM
	OSD-B-PEN	Pendent Mounting Bracket (19 cm) (Support ADAP Series)	OSD-200Np 30X VD-B-ADAP / MD-B-ADAP
	OSD-B-PEN2	Ceiling Mount Bracket of OSD-200Np-30x (50 cm) (Support ADAP Series)	OSD-200Np 30X VD-B-ADAP / MD-B-ADAP
	OSD-B-COR	Corner mount	OSD-200Np 30X
	OSD-B-POL	Pole mount	OSD-200Np 30X
	OSD-B-WALL	Wall Mount Bracket of OSD-200Np-30x (Support ADAP Series)	OSD-200Np 30X VD-B-ADAP / MD-B-ADAP
	VD-B-ADAP	Bracket Transfer Kit for VD/FD	FD / VD Series
	MD-B-ADAP	Bracket Transfer Kit for MD	MD Series
	VDMD-B-WALL	WALL Mount Bracket	VD-E400Af / MD Series

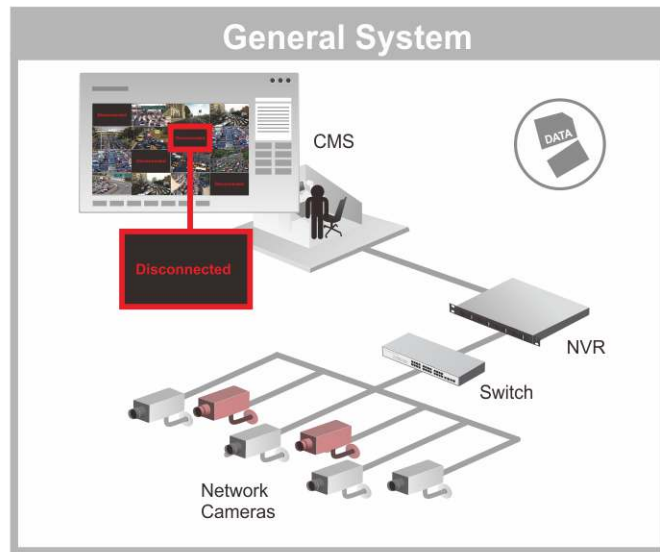
Network Equipment

Antenna	Part Number	Product Description	Supported Models
	GEM07-15072A	3G Antenna	GOB Series
	RFA-T200	LTE Antenna	GOB LTE Series
	GEM04-222070	Wi-Fi Dual Band Patch Antenna	WOB Series
	BA3230	WiMAX Directional Antenna	WIXB-100 / WIXC-100
EoC	Part Number	Product Description	Supported Models
	EoC-300M EoC-300S	Ethernet over Coax Bridge	All Brickcom cameras
Others	Part Number	Product Description	Supported Models
	PSU-48V	Power Adapter 48V 0.8A	OB / VD / FD Series
	BNCMD-02	TV Out Cable	MD / FB / VD / FD Series
	USBCB-02	3G Connector Cable	All Brickcom Cameras with Mini USB Port
Adjusting Tool	Part Number	Product Description	Supported Models
	LT	Adjusting Lens Tool for 2.8mm/3.6mm/4mm/6mm/8mm lens	MD Ap Series / MD Np Series

Network Equipment

Networking	Part Number	Product Description	Supported Models
	PS-588I V3	8-port 10M / 100M Desktop PoE Fast Ethernet Switch	All Brickcom Cameras that support 802.3af PoE
	PS-5811IL-AT-180W	8-port 10M/100M Desktop PoE Web Smart Fast Ethernet Switch	All Brickcom Cameras that support 802.3at PoE Plus
	PS-7616IL	16-port 10M/100M PoE Web Smart Ethernet Switch	All Brickcom Cameras that support 802.3af PoE
	PS-7242IL-AT	24-port 10/ 100M PoE+ Web Smart Ethernet Switch	All Brickcom Cameras that support 802.3at PoE Plus
	WRT-750N	Dual Band Wireless N Router	All Brickcom cameras
	POE30U V2	High Power PoE Injector 48V	All Brickcom Cameras that support 802.3at PoE Plus
	WIXB-100	Wimax Outdoor BS	All Brickcom cameras
	WIXC-100	Wimax Outdoor CPE	All Brickcom cameras
	EXCB-5M	Hydra Camera Extension Cable - 5M	Hydra Camera series

Never Lost System



Never Lost System

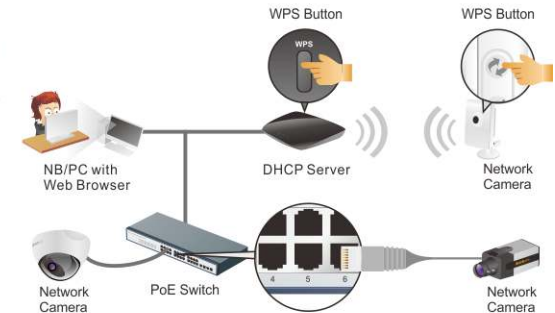


Easy Installation

1

Install the cameras and the 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 the camera.



2

Install the Brickcom EasyConfig software with the Product CD, and search for your camera without having to configure any IP setting.



3

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



VMS
Partners



Member of

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