Brickcom

2017. EN

BRICKCOM BUYING GUIDE

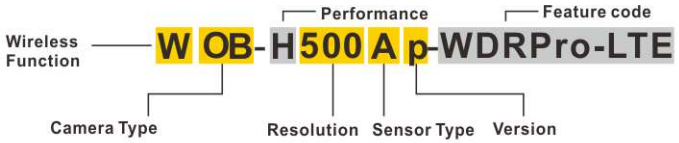
CAMERA | NVR | CMS

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	
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

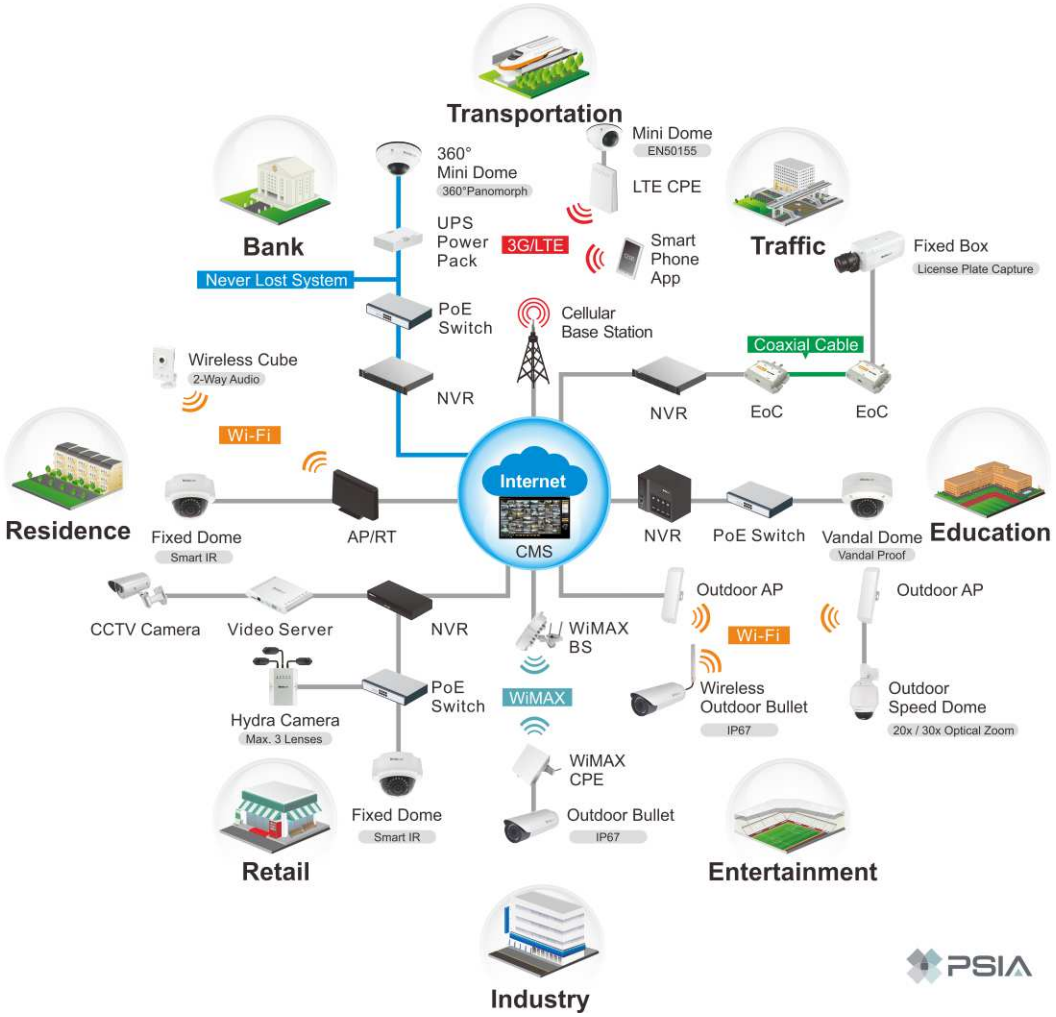
Performance	
	General
H	High Performance / High Resolution

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 P	Project Only P	Project Only P	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	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

	MD-500Ap V6	FD-500Ap V6	VD-500Ap V6	OB-500Ap V6	FB-300Np Star	MD-300Np Star	FD-300Np Star
	Project Only	Project Only	Project Only		Project Only		
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	DC12V/ AC24V	DC12V / AC24V	DC12V	DC12V	DC12V	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, 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	OB-300Np Star	FB-200Np V6	MD-200Np V6	FD-200Np V6	VD-200Np V6	OB-200Np V6
				Project Only			
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	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	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, 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	VD-500Ae V6	OB-500Ae V6	FB-300Ne Star	FD-300Ne Star	VD-300Ne Star	OB-300Ne Star
				Project Only	Project Only		
Environment	Indoor	Outdoor	Outdoor	Indoor	Indoor	Outdoor	Outdoor
Image Sensor	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	1/2.8" Sony Exmor™ 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	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)	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	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°	95°~33° / 68°~24° / 116°~41°
View Angle H/V/D (Ultra Wide Mode)	-	-	-	-	-	-	-
Min. Illumination (without Infrared)	0 Lux (IR On,B/W) 0.01 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 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) 0.0005 Lux (F1.4,B/W) 0.0006 Lux (F1.4,Color)
Iris Control	Fixed	Fixed	Fixed	DC-Iris	Fixed	Fixed	Fixed
Infrared LED/Max.Distance	12pcs / 30m	12pcs / 30m	12pcs / 30m	-	12pcs / 30m	12pcs / 30m	12pcs / 30m
Mechanical ICR	Yes	Yes	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)	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)	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	2-Way	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	Line In
Audio Output	Line Out	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)	Yes (1/1)
RS-485	-	-	-	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	-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)	-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	802.3af PoE
	DC12V / AC24V	DC12V / AC24V	DC12V	DC12V	DC12V / AC24V	DC12V / AC24V	DC12V
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	IP66, RTC, Temperature Alarm, Smart IR, SmartFocus, Cable Management WDR Enhancement
Remarks							
				Lens Optional (CS Mount)			

Budgetary Series

	FD-200Ne V6	VD-200Ne V6	OB-200Ne V6	VD-E400Af	VD-E200Nf	OB-E400Nf	OB-E200Nf
				Coming Soon		Coming Soon	
Environment	Indoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS	1/3" CMOS	1/2.8" Sony Exmor™ CMOS	1/3" CMOS	1/2.8" Sony Exmor™ CMOS
Shutter Speed	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/32000 s ~ 1 s	1/120000 s ~ 1 s	1/32000 s ~ 1 s	1/120000 s ~ 1 s	1/32000 s ~ 1 s
Max. Resolution	2M (1920 x 1080)	2M (1920 x 1080)	2M (1920 x 1080)	4M (2688 x 1512)	2M (1920 x 1080)	4M (2688 x 1512)	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=2.3/F2.2	f=3.6/F2.0	f=3.6mm/F2.0	f=3.6/F2.0
View Angle H/V/D (Normal)	96°~35° / 52°~20° / 106°~40°	96°~35° / 52°~20° / 106°~40°	96°~35° / 52°~20° / 106°~40°	126° / 76° / 140°	87° / 46° / 99°	76° (Horizontal)	87° / 46° / 99°
View Angle H/V/D (Ultra Wide Mode)	-	-	-	-	-	-	-
Min. Illumination (without Infrared)	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)	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) 0.001 Lux (B/W) 0.002 Lux (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) 0.001 Lux (B/W) 0.002 Lux (Color)
Iris Control	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Infrared LED/Max.Distance	12pcs / 30m	12pcs / 30m	12pcs / 30m	12pcs / 20m	15pcs / 20m	12pcs / 20m	30pcs / 20m
Mechanical ICR	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frame Rate (FPS)	30fps/2M (1920 x 1080)	30fps/2M (1920 x 1080)	30fps/2M (1920 x 1080)	20fps/4M (2688 x 1512) 30fps/2M (1920 x 1080)	25fps/2M (1920 x 1080)	20fps/4M (2688 x 1512) 30fps/2M (1920 x 1080)	25fps/2M (1920 x 1080)
Audio Compression	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	-	-	-
Audio Input	Line In	Line In	Line In	Built-in Mic	-	-	-
Audio Output	Line Out	Line Out	Line Out	-	-	-	-
DI/DO	Yes (1/1)	Yes (1/1)	Yes (1/1)	-	-	-	-
RS-485	-	-	-	-	-	-	-
Analog Video Out	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	-
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)	-25°C ~ 55°C(-13°F ~131°F)	-25°C ~ 40°C (-13°F ~104°F)	-20°C ~ 50°C(-4°F ~122°F)	-20°C ~ 40°C (-4°F ~104°F)
Power Input							
	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	DC12V	DC12V	DC12V	DC12V	DC12V
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	IP66, EN50155, Ik10 WDR Enhancement Smart IR	IP66, EN50155, IK10 WDR Enhancement	WDR Enhancement Smart IR	IP66 WDR Enhancement
Remarks							

Unique Camera Series

	PH-100Ah kit-A	PH-100Ah kit-B	WMB-300Ap AC	WMB-300Ap V6	MD-H600Np-360 DN	MD-300Np-360 Star
	3G Option P	3G Option P	P	P	P	P
Environment	Indoor	Indoor	Indoor	Indoor	Outdoor	Outdoor
Image Sensor	1/4" CMOS	1/4" CMOS	1/3" CMOS	1/3" CMOS	1/1.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ CMOS
Shutter Speed	1/20000 s ~ 1/5 s	1/20000 s ~ 1/5 s	1/32000 s ~ 1 s	1/120000 s ~ 1 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)	3M (2304 x 1296)	5.5M (2720 x 2040)	3M (2048 x 1536)
Focal Length / F Value	f=3.7mm/F2.5	f=2.3mm/F2.5	f=2.3mm/F2.2	f=2.8mm/F1.8	f=1.05mm/F2.8	f=1.05mm/F2.8
View Angle H/V/D (Normal)	57° / 30° / 66°	100° / 56° / 128°	126° / 72° / 138°	100° / 56° / 114°	182°± 2°	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) 0.005 Lux (F2.2,B/W) 0.006 Lux (F2.2,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)	0.008 Lux (F1.6,B/W) 0.01 Lux (F1.6,Color)
Iris Control	Fixed	Fixed	Fixed	Fixed	Fixed	Fixed
Infrared LED/Max.Distance	-	-	30pcs/15m	30pcs/15m	4pcs/10m	-
Mechanical ICR	-	-	Yes	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)	30fps/3M (2304 x 1296) 30fps/2M (1920 x 1080)	15fps/5.5M (2720 x 2040)	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
Audio Streaming	2-Way	2-Way	2-Way	2-Way	2-Way	1-Way
Audio Input	Line In	Line In	Built-in Mic	Built-in Mic	Built-in Mic	Built-in Mic
Audio Output	Line Out	Line Out	Built-in Speaker	Built-in Speaker	-	-
DI/DO	Yes (2/2)	Yes (2/2)	Yes (1/1)	Yes (1/1)	Yes (1/1)	-
RS-485	-	-	-	-	-	-
Analog Video Out	-	-	-	-	-	Yes
Wireless	-	-	802.11 a/b/g/n/ac with WPS	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	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)	-25°C ~ 55°C (-13°F ~131°F)
Power Input						
	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE	802.3af PoE
	DC12V	DC12V	DC12V	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	Privacy Mask Button WDR Enhancement PIR	Vandal Proof, RTC, IP67, WDR Enhancement	EN50155, 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
	WiFi, P	3G, LTE, P	P	P
Environment	Outdoor	Outdoor	Outdoor	Outdoor
Image Sensor	1/2.8" Sony Exmor™ CMOS	1/2.8" Sony Exmor™ 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	16 channels high megapixel simultaneous
Multi-channel Playback	playback for detail scene investigation
Smart Search	Motion Detection Foreign Object Detection Missing Object Detection DeFocus Alarm Tampering Detection
De-warping Methods	Yes
Digital Zoom	Yes
Video Export and Snapshot	
Video Wall Configuration (with CMS-Matrix**)	Monitor identification
Multi-Monitor Management	Flexible User-defined layout Sequential Setting
Video Wall Setting Preview	Yes
Dual-Stream Support	

	MNR-1104+	NR-1004E
		Coming Soon
General		
Camera Support	1~4	1~4
Operating System	Linux-Embedded	Linux-Embedded
Maximum Network Throughput	300Mbps	100 Mbps
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	Full HD: 120 HD: 100
Storage Capacity Per HDD	Up to 2 TB	Up to 6 TB
Maximum Capacity	Up to 2 TB (2.5" SATA HDD/ SSD x1)	Up to 6 TB 3.5" SATA HDD x1
HDD Tray	1	1 (Internal)
Multi-NVR Server Monitoring	Yes (Up to 144 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	Single
CPU	Intel High performance CPU	Intel Dual Core CPU
GPIO	4 in, 4 out	-
LAN Port	Gigabit x4	Gigabit x1
USB Connector	USB 2.0 x4	USB 2.0 x2
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	43(H) x 260(W) x 220(D) mm 1.69(H) x 10.2(W) x 8.6(D) inch
License Channel Upgrade	Support up to 36 channels	-

Video Management System

	NR-2008-E	NR-1104+	NR-2104+ / NR-2108+ NR-2116+	NR-4208+ / NR-4216+	NR-8216-RM+ / NR-8232-RM+
General					
Camera Support	1~8	1~4	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	Linux-Embedded
Maximum Network Throughput	80Mbps	360Mbps	360Mbps	360Mbps	360Mbps
Full HD Local Display	Yes (HDMI)	Yes (HDMI x1, VGA x1)	Yes (HDMI x1, VGA x1)	Yes (HDMI x1, VGA x1)	Yes (HDMI x1, VGA x1)
Maximum Frame Rate (FPS) in Local Display	HD:180 FPS	4K UHD: 360 / Full HD: 900 HD: 1200 / D1: 1600	4K UHD: 360 / Full HD: 900 HD: 1200 / D1: 1600	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 4 TB	Up to 8 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 6 TB (2.5"/ 3.5" SATA HDD x1)	Up to 12 TB (2.5"/ 3.5" SATA HDD x2)	Up to 24 TB (2.5"/ 3.5" SATA HDD x4)	Up to 48 TB (2.5"/ 3.5" SATA HDD x8)
HDD Tray	2 (Internal)	1 (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)	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)	Motion-JPEG/ MPEG-4/ H.264 (Depending on Camera Models)
Disk Configuration		Single	Single, JBOD, RAID 0/1	JBOD, RAID 0/1/10/5	JBOD, RAID 0/1/10/5
CPU	ARM CPU	Intel Dual Core 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 x1	Gigabit x2	Gigabit x2
USB Connector	USB 2.0 x2	USB 3.0 x2 and USB 2.0 x4	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	58.5(H) x237(W) x192(D) mm 2.3(H) x9.33(W) x7.56(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) x661.65(D) mm 3.46(H) x18.9(W) x26(D) inch
License Channel Upgrade		Support up to 36 channels	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 8 TB
Maximum Capacity	Up to 48 TB (2.5"/ 3.5" SATA HDD x8)	Up to 96 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) x661.65(D) mm 3.46(H) x18.9(W) x26(D) inch	133.4(H) x430(W) x551.5(D) mm 5.25(H) x16.92(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	Celling 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

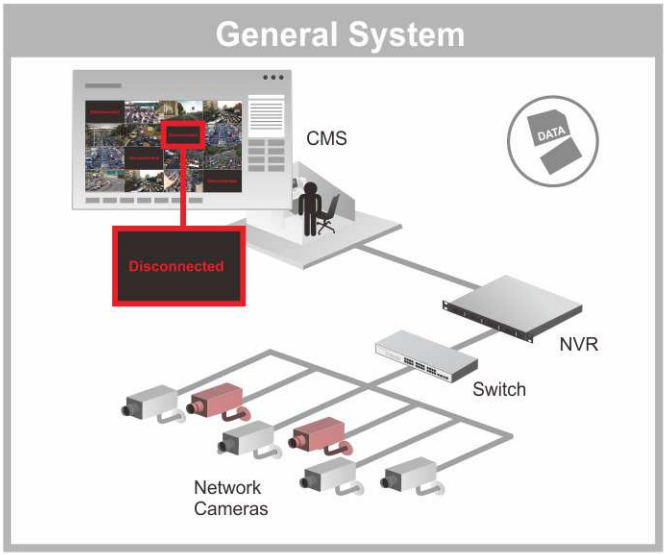
Adjusting Tool	Part Number	Product Description	Supported Models
	LT	Adjusting Lens Tool for 2.8mm/3.6mm/4mm/6mm/8mm lens	MD Ap Series / MD Np Series

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
	BP-1000	UPS power pack for camera	All Brickcom Cameras that support DC12V
	EXCB-5M	Hydra Camera Extension Cable - 5M	Hydra Camera series

Never Lost System

General System

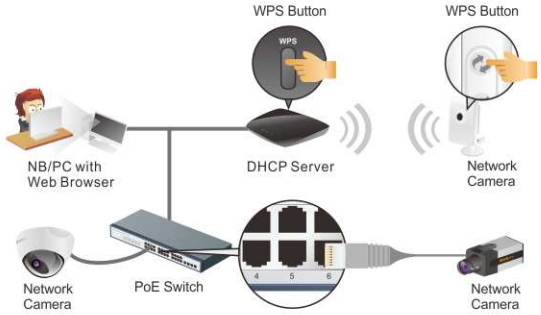


Never Lost System

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

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Partner: