

**Brickcom**

# Brickcom Introduction

*Max*  
2011 Aug



LOS ANGELES



NEW YORK



LONDON



TOKYO



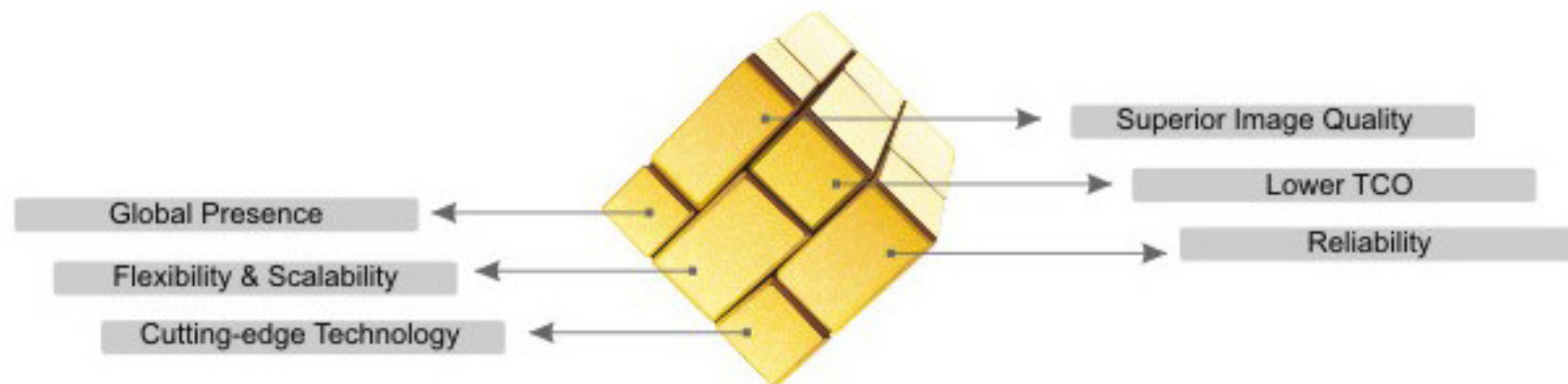
# ***About Brickcom***

# About Brickcom

www.brickcom.com

**Brickcom**, is a professional **network video manufacturer** in the IP surveillance industry. It has a solid foundation for engineering quality network video equipment.

- ◆ **Founded:** 2008 Sep.
- ◆ **Headquarter:** Hsinchu, Industrial Park, Taiwan
- ◆ **Employee:** over 100 people  
(70% engineers & tech support, 20% sales & marketing)
- ◆ **Main products:** IP cameras, video server, NVR, network accessory



# About Brickcom Complete Product Range

www.brickcom.com

## Megapixel IP Camera



Cube  
Network  
Camera



Mini Box  
Network  
Camera



Bullet  
Network  
Camera



Fixed Box  
Network  
Camera



PTZ  
Network  
Camera



Mini Dome  
Network  
Camera



Fixed Dome  
Network  
Camera



Vandal Dome  
Network  
Camera



Speed Dome  
Network  
Camera

## Server / NVR / CMS



Video  
Server



NVR



PC-Based  
NVR



Lens



Bracket



Cover



Outdoor  
Enclosure

## Accessory

## Network Accessory



Home  
Plug  
Bridge



High Power  
POE  
injector



MoCA  
Bridge



HPNA  
Bridge



Switch /  
Switch  
PoE



Wireless  
AP /  
Router



3G  
Router



WiMAX  
CPE /  
BS

# About Brickcom Parent Company- Gemtek

www.brickcom.com

**Gemtek**, is a *World Class Networking and Communication manufacture* for wireless networking products (WiMAX and Wi-Fi Module for NoteBook, IP-STB,IAD,ADSL,VDSL, NAS, and so on)

◆ **Founded:** 1991

◆ **Headquarter:** Hsinchu, Industrial Park, Taiwan.

◆ **Employees:** Over 4500 worldwide

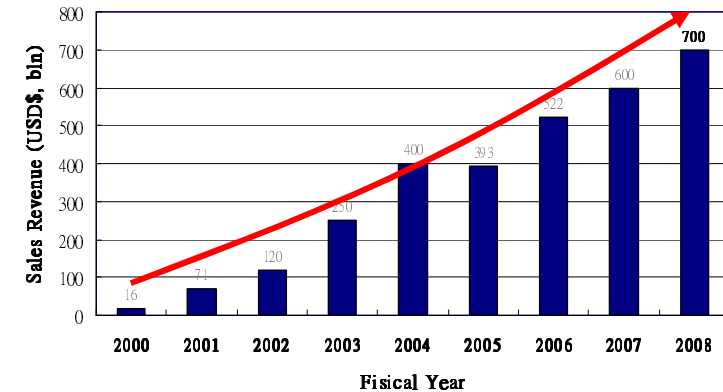
2010 : US \$730M

2009 : US \$590M

2008 : US \$720M

2007 : US \$560M

2002: Listed on the Taiwan Stock Market



Hsinchu HQ & R&D Center



# About Brickcom Parent Company Factory Locations

www.brickcom.com



Plzen



Changshu



Hsinchu2



Kunshan



Hsinchu



Suzhou

*Passed HP, Dell, Intel, Motorola, Cisco factory audit.*

**Brickcom IP Cameras are manufactured in Gemtek Taiwan.**



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***Expert in IP surveillance***

# Expert in IP Surveillance

## Compare between IP CAM & analog CCTV

www.brickcom.com

	IP CAM	Analog CCTV
Sensor Scan Mode	Progressive scan: eliminate the jagged edge of moving objects	Interlaced scan: jagged edge of moving objects
Resolution	Megapixel resolution, more detail and wider coverage	D1 resolution, small coverage and less detail
Monitoring/ playback	Remote monitoring, playback via network (remote PC, mobile)/ easy to back up	Local monitoring, playback
Safety	Recording video can be encrypted by camera	Recording video can not be encrypted by camera
Intelligent video analysis	Built in in camera, less bandwidth limitation issue and server loading issue	No IVA in camera, server loading heavy
Scalability	High. Easy to add new cameras. Just connect them to a router.	Low. Need to install coaxial cable.
Total owner of cost	Leverage existing IP network infrastructure	High installation cost for coaxial cable



# Expert in IP Surveillance

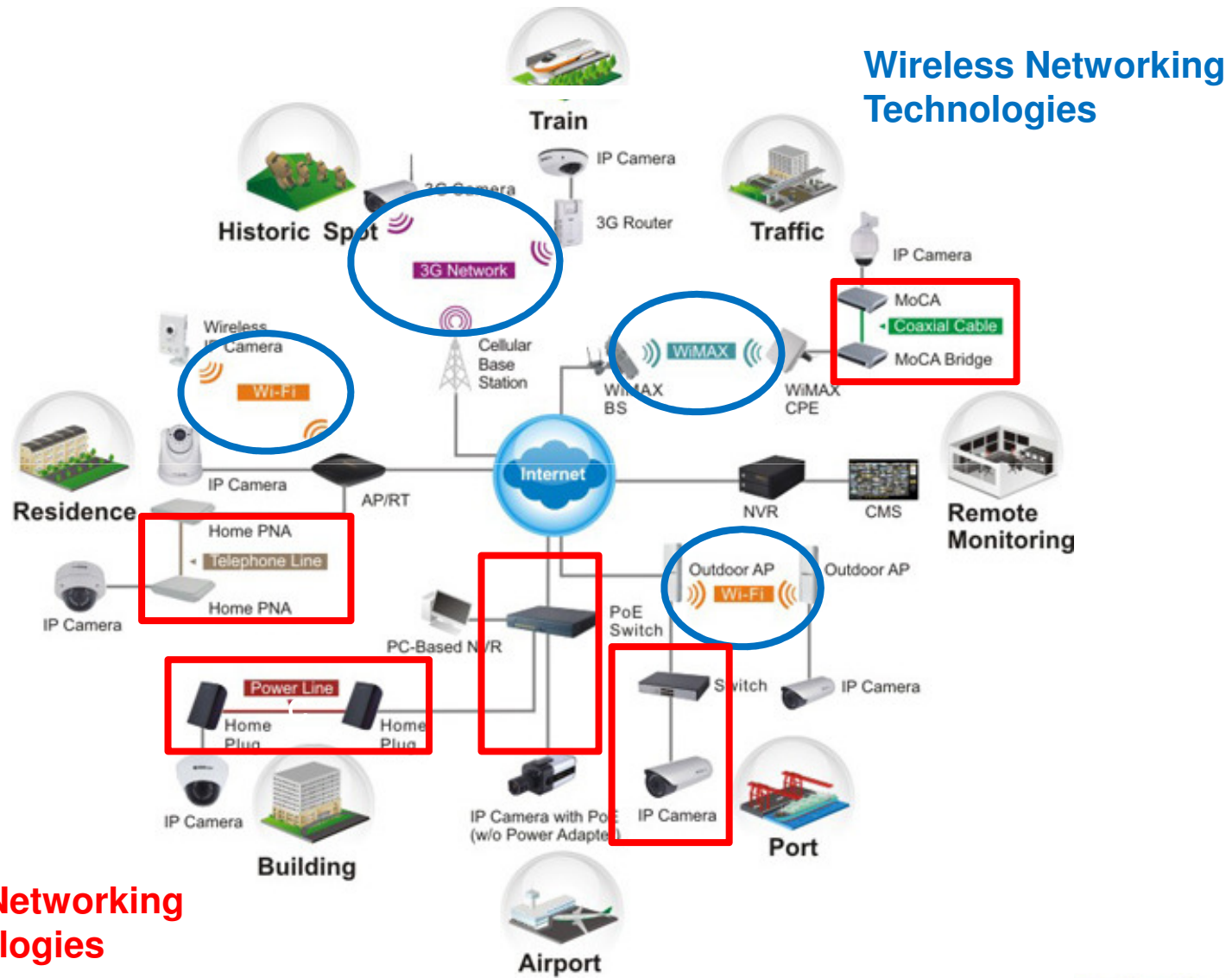
## Advantage of IP surveillance system

[www.brickcom.com](http://www.brickcom.com)

- ◆ Superior image quality
- ◆ Intelligent video analysis
- ◆ High scalability and flexibility
- ◆ Stronger video encrypt possibility
- ◆ Remote monitoring/ playback
- ◆ Remote storage
- ◆ Easier infrastructure installation & maintenance  
(wired & wireless)
- ◆ Cost Efficiency

# Expert in IP Surveillance BrickOne Solution®

www.brickcom.com



**Wired Networking  
Technologies**

# Expert in IP surveillance Advanced Wireless Solutions

www.brickcom.com

**Brickcom**

**Wireless Solutions**

Wi-Fi N  
WiMAX  
3G



## Wi-Fi

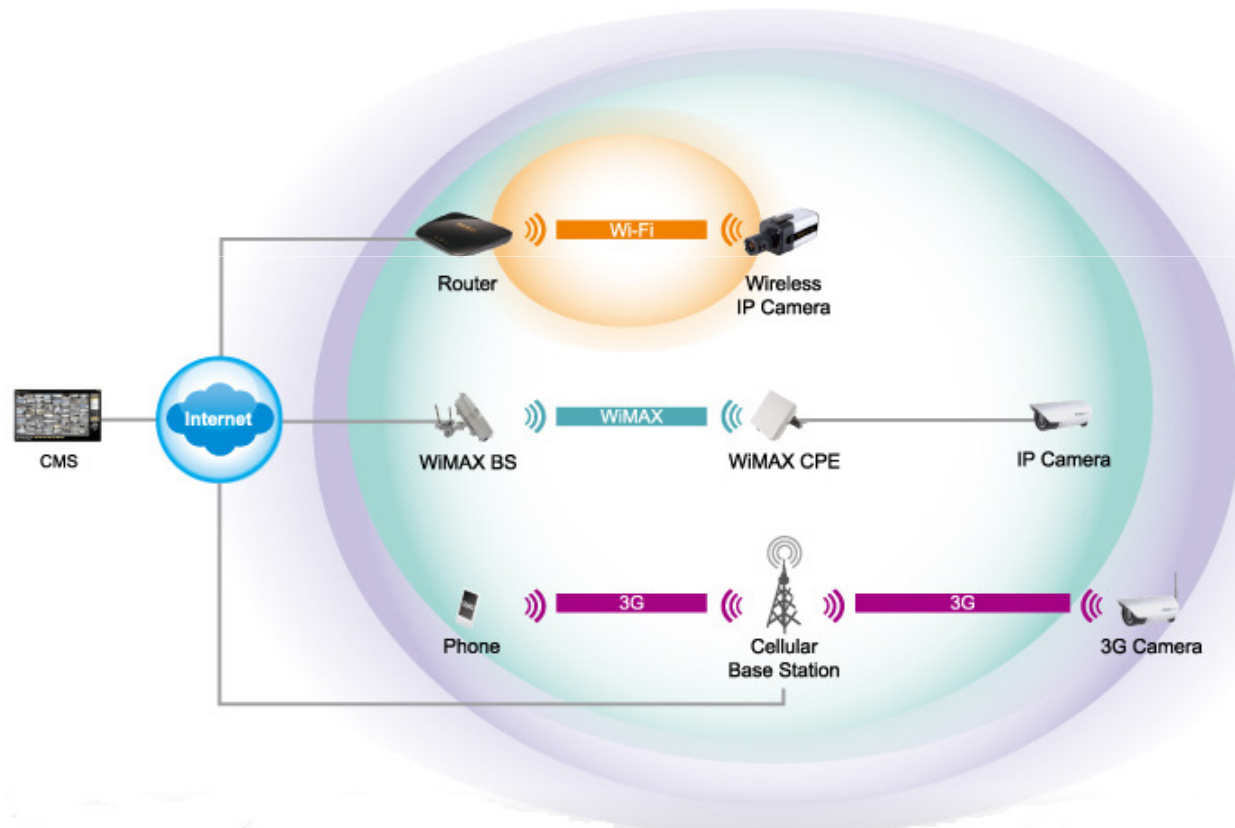
- > Range : 1200 feet
- > Effective Throughput: 75Mbps

## WiMAX

- > Range : Anywhere  
(Line-of-sight Distance : 5 miles)
- > Effective Throughput: 40Mbps

## 3G

- > Range: Anywhere
- > Effective Throughput: 700Kbps



# Expert in IP Surveillance High Quality & Resolution

www.brickcom.com



**Video Link:** <http://www.youtube.com/user/BrickcomCorp#p/u/24/3zlynlyOdFs>

# Expert in IP Surveillance Superior Night View

www.brickcom.com



Video Link: <http://www.youtube.com/user/BrickcomCorp#p/a/u/1/vSvy0FFDN6Q>

# Expert in IP Surveillance Quick Installation- EasyConfig

www.brickcom.com



**Brickcom**

## Welcome

Thank you for choosing Brickcom.  
EasyConfig will help you easily configure your Brickcom IP camera.

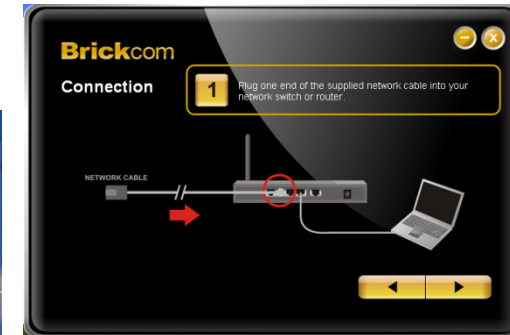
Skip the hardware installation guide

Select Language:

**Start**

1.1.3.12

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**Brickcom**

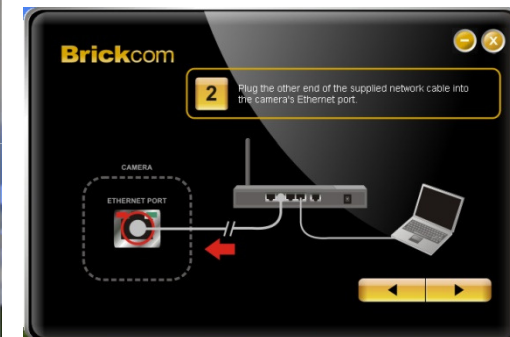
### Connection

**1** Plug one end of the supplied network cable into your network switch or router.

NETWORK CABLE

Diagram showing a network cable being plugged into a network switch or router. A red arrow points to the cable's Ethernet port.

Navigation: Previous, Next



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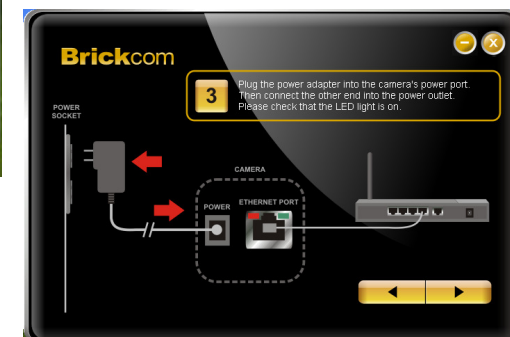
**2** Plug the other end of the supplied network cable into the camera's Ethernet port.

CAMERA

ETHERNET PORT

Diagram showing a network cable being plugged into the Ethernet port of a camera. A red arrow points to the camera's Ethernet port.

Navigation: Previous, Next



**Brickcom**

**3** Plug the power adapter into the camera's power port. Then connect the other end into the power outlet. Please check that the LED light is on.

POWER SOCKET

CAMERA

POWER

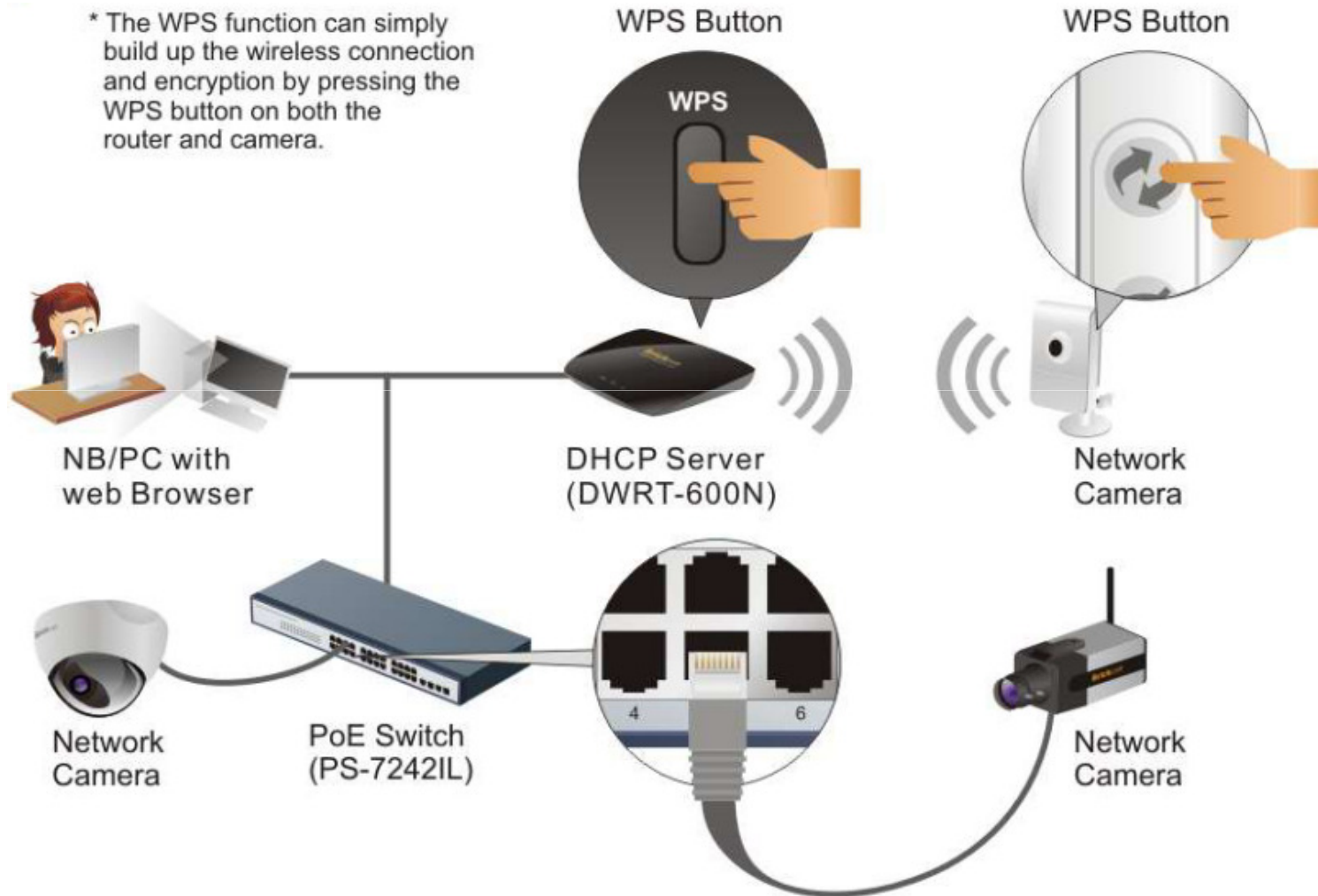
ETHERNET PORT

Diagram showing a power adapter being plugged into a power socket and connected to the camera's power port. A red arrow points to the power socket.

Navigation: Previous, Next

# Expert in IP Surveillance Quick Installation- WPS

www.brickcom.com



# Expert in IP Surveillance Quick Installation- EasyLink

www.brickcom.com

**Brickcom**

## Easy Link Settings

You can use EasyLink Settings to connect to the IP camera without knowing the IP address.

Enable

Domain Name: .mybrickcom.com

Refresh Time:

**Skip**      **◀ ▶**



# Complete Backend Platform Integration 2010 ISV partner

www.brickcom.com

## ISV Partner



# Complete Backend Platform Integration

## Member of ONVIF & PSIA

[www.brickcom.com](http://www.brickcom.com)



## ONVIF Compatible List





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# ***Brickcom Solutions***

# Brickcom Solutions

## Cube series cameras

www.brickcom.com



Stay in touch with your loved ones!!!  
The Elderly and Baby Can be Cared Easily  
by Live View and Intercom

# Megapixel

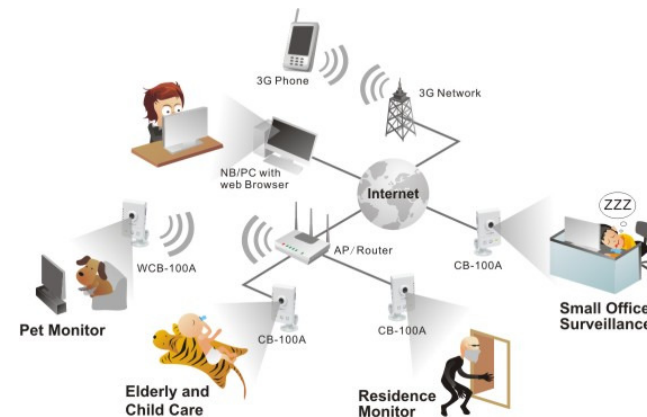
## Megapixel Cube Network Camera

### Cube / PoE Cube Series

- > Compact and Streamline Design.
- > Built-in 802.3af Compliant POE (CB-101A/CB-102A)
- > Built-in PIR Sensor and Illumination LED
- > Built-in MIC and Speaker
- > EasyConfig for Easy Set Up and GUI Integration

- > Built-in Micro SD/ SDHC Memory Card Slot
- > MPEG-4, MJPEG and H.264 Triple Codec Compression
- > 802.11a/b/g/n Wireless Connectivity
- > WPS Supported for Easy Wireless Network Setup (CB-100A)
- > Interchangeable CS Mount Lens (CB-102A)

<b>CB-100Ae (VGA)</b>	VGA
<b>WCB-100Ae (VGA)</b>	VGA/ WiFi
<b>CB-100Ae</b>	1 Mpx
<b>WCB-100Ae</b>	1 Mpx/ WiFi
<b>CB-101Ae</b>	1 Mpx/ PoE
<b>CB-102Ae</b>	1 Mpx/ PoE/ CS-Mount
<b>CB-100Ap</b>	1 Mpx/ 2-way audio/ PIR/ Micro SD
<b>WCB-100Ap</b>	1 Mpx/ WiFi/ 2-way audio/ PIR/ MicroSD
<b>CB-101Ap</b>	1 Mpx/ PoE/ 2-way audio/ PIR/ MicroSD
<b>CB-101Ap v2.1</b>	1 Mpx/ PoE/ 3G/ 2-way audio/ PIR/ MicroSD
<b>CB-102Ap</b>	1 Mpx/ PoE/ CS-Mount/ 2-way/ PIR/ MicroSD
<b>CB-102Ap v2.1</b>	1 Mpx/PoE/CS-Mount/3G/2-way/PIR/MicroSD



# Brickcom Solutions

## Fixed Box series cameras

www.brickcom.com

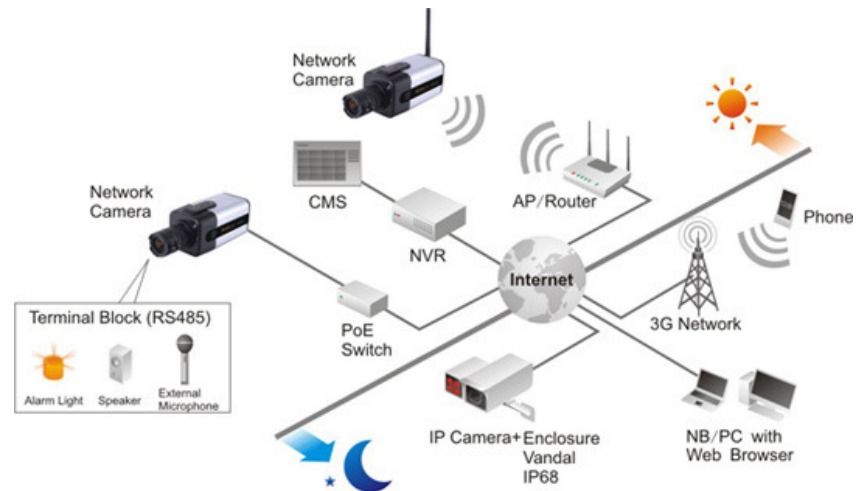


Fixed Box Network Camera

### FB-100A Series

- > MPEG-4, MJPEG and H.264 Triple Codec Compression
- > Simultaneous Dual stream for Optimized Quality and Bandwidth
- > 1 DI/DO for External Alarm and Sensor Device
- > Built-in SD/SDHC Memory Card Slot for Local Storage
- > Built-in 802.3af Compliant POE (Power Over Ethernet)
- > Removable IR-Cut Filter for Day and Night Function
- > Supports WiMAX, Digital Frame, Power Line Application
- > 802.11 b/g/n Compliance Wireless Connectivity (WFB-100A)
- > WPS Function Support for Easy Wireless Network Setup (WFB-100A)
- > Supports IVA (Intelligence Video Analysis) Function (FB-100Aa /WFB-100Aa)

<b>FB-100Ae</b>	1 Mpx
<b>WFB-100Ae</b>	1 Mpx/ WiFi
<b>FB-100Ap</b>	1 Mpx/ SD slot
<b>WFB-100Ap</b>	1 Mpx/ WiFi/ SD slot
<b>FB-130Np</b>	1.3 Mpx/ superior night vision/ SD slot
<b>WFB-130Np</b>	1.3 Mpx/ superior night vision/ WiFi/ SD slot
<b>FB-300Ap</b>	3 Mpx/ SD slot
<b>WFB-300Ap</b>	3 Mpx/ WiFi/ SD slot



# Brickcom Solutions Outdoor Bullet series cameras

www.brickcom.com



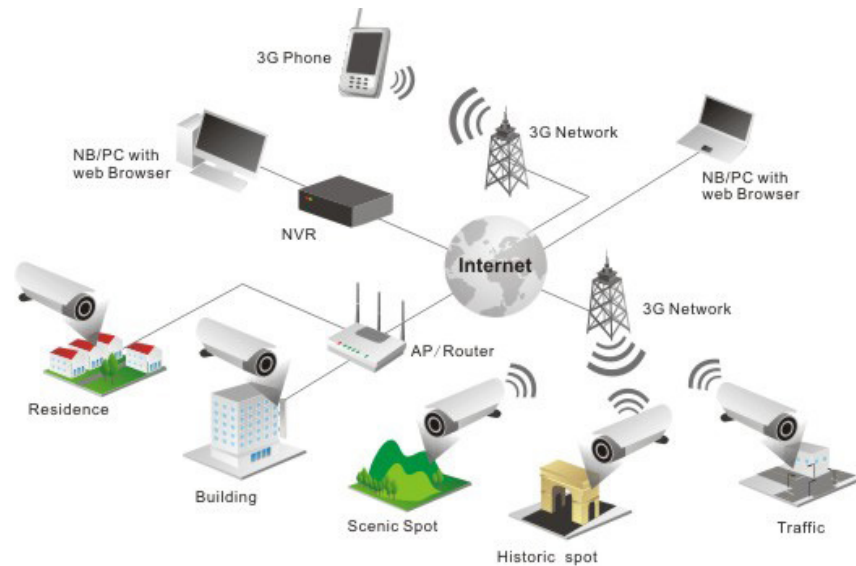
Bullet Network Camera

### Bullet Series

- > MPEG-4 / MJPEG / H.264 Triple Codec Compression with Dual Simultaneous Streaming
- > High power POE
- > Built-in SD/SDHC Memory Card Slot for Local Storage
- > 1 DI/DO for External Alarm and Sensor Device

- > Smart Focus to get excellent image quality easily
- > IEEE 802.11a/b/g/n Compliance
- > Built-in 3G SIM slot
- > IP67 Outdoor enclosure Built-in Fan and Heater

- OB-100Ae** 1 Mpx
- WOB-100Ae** 1 Mpx/ WiFi
- OB-100Ap** 1 Mpx/ Micro SD/ -40~60 °C
- WOB-100Ap** 1 Mpx/ WiFi/ Micro SD/ -40~60 °C
- GOB-100Ap** 1 Mpx/ 3G/ Micro SD/ -40~60 °C
- OB-130Np** 1.3 Mpx/ superior night vision/ Micro SD/ -40~60 °C
- WOB-130Np** 1.3 Mpx/ superior night vision/ WiFi/ Micro SD/ -40~60 °C
- GOB-130Np** 1.3 Mpx/ superior night vision/ 3G Micro SD/ -40~60 °C



# Brickcom Solutions

## Fixed Dome series cameras

www.brickcom.com



Megapixel  
Day & Night



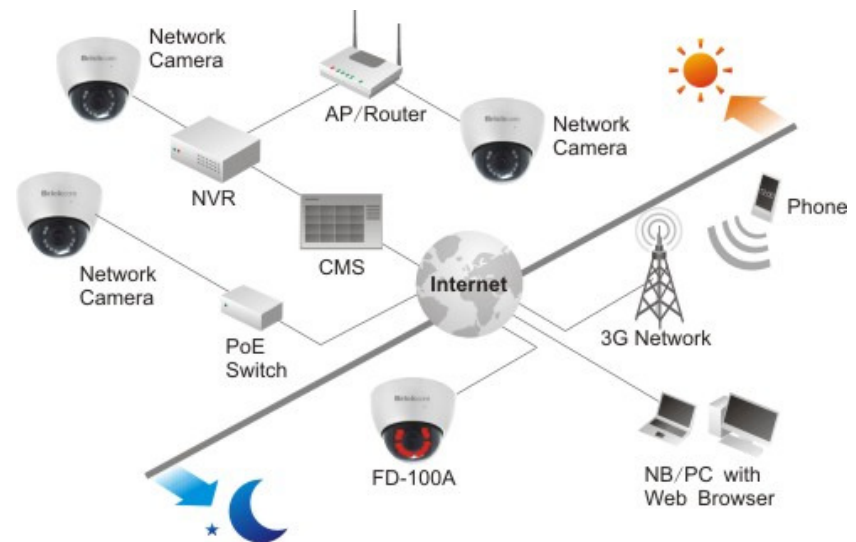
Fixed Dome Network Camera

### FD-100A Series

- > Wide View Coverage
- > Built-in IR Illuminator LEDs/ Removable IR-cut Filter / Auto Light Sensor for Day and Night
- > Supports H.264 / MJPEG / H.264 Codec Compression
- > Built-in 802.3af Compliant PoE (Power over Ethernet)

- > 1 DIOO for External Alarms and Sensor Device
- > EasyConfig for easy set up and GUI Integration
- > Supports viewing through 3G portable devices

- FD-100Ap**      1 Mpx/ 2- way audio/ DC-iris/ IR LED
- FD-130Ap**      1.3 Mpx/ 2way audio/ DC-iris/ IR LED
- FD-300Ap**      3 Mpx/ 2-way audio/ DC-iris/ IR LED



# Brickcom Solutions

## Vandal Dome series cameras

www.brickcom.com



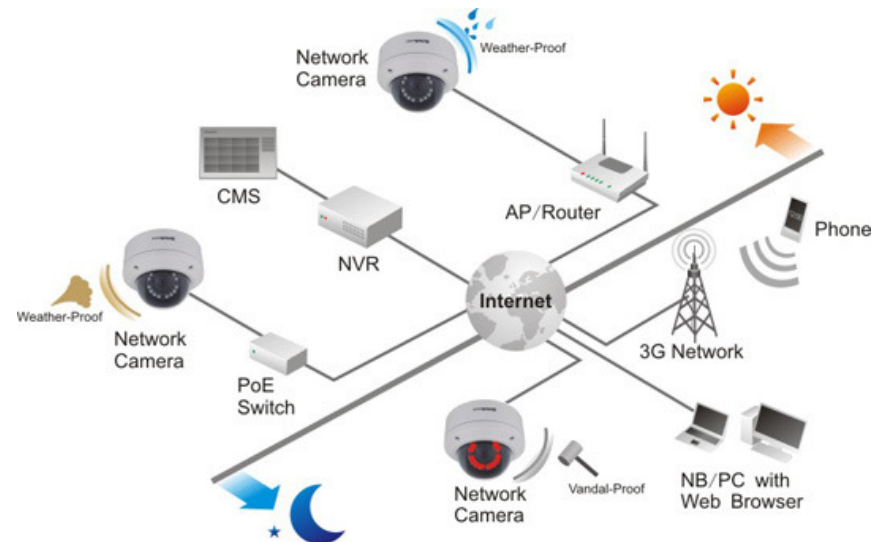
**Megapixel  
Day & Night**

Megapixel Day & Night  
Vandal Dome Network Camera

### OSD-040 36x Series

- > Wide View Coverage
- > Built-in IR Illuminator LEDs/ Removable IR-cut Filter / Auto Light Sensor for Day and Night
- > Supports MPEG-4 / MJPEG / H.264 Codec Compression
- > High Power POE
- > 1 DI/DO for External Alarm and Sensor Device
- > EasyConfig for easy set up and GUI Integration
- > Supports 3G portable devices
- > Vandal-Proof and Weather-Proof (IP66)
- > Built-in Fan and Heater

- VD-100Ap**     1 Mpx/ 2- way audio/ DC-iris/ IR LED/ vandal proof
- VD-130Ap**     1.3 Mpx/ 2way audio/ DC-iris/ IR LED/ vandal proof
- VD-300Ap**     3 Mpx/ 2-way audio/ DC-iris/ IR LED/ vandal proof





# Brickcom Solutions

## Mini Dome series cameras

www.brickcom.com



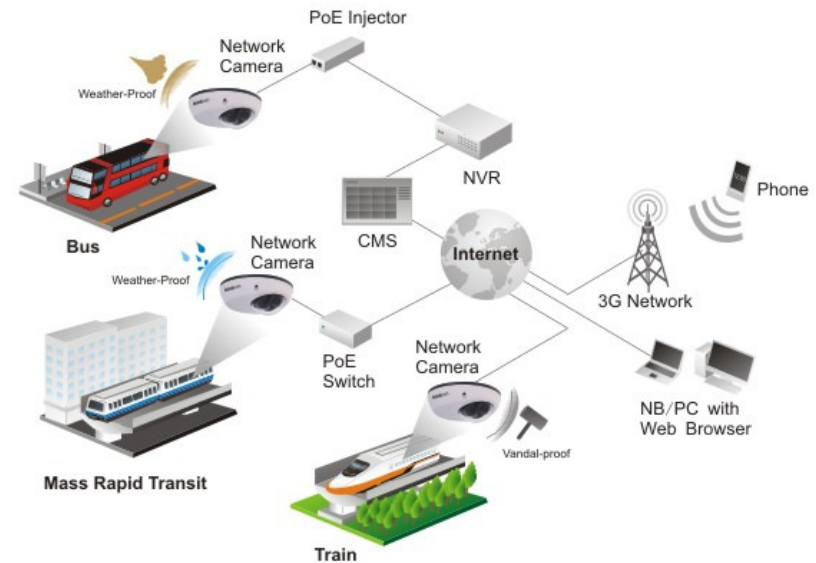
# Megapixel

Mini Dome Network Camera

### MD-100A Series

- > MPEG-4 / MJPEG / H.264 Triple Codec Compression
- > Inconspicuous, Sleek Design
- > Weather and Vandal-proof Casing (IP67)
- > Wide Angle Lens
- > Built-in MIC
- > Built-in Micro SD/SDHC Memory Card Slot for Local Storage
- > Built-in 802.3af Compliant Power on Ethernet (PoE)
- > EasyConfig for Easy Set Up and GUI Integration
- > Supports IVA (Intelligence Video Analysis) Function

- MD-100Ae**      1 Mpx/
- MD-100Ap**      1 Mpx/ built-in Mic/ Micro SD
- MD-100Ap v2.1**    1 Mpx/ built-in Mic/ Micro SD/ 3G



# Brickcom Solutions

## Speed Dome series camera

www.brickcom.com



36x Outdoor Speed Dome Network Camera

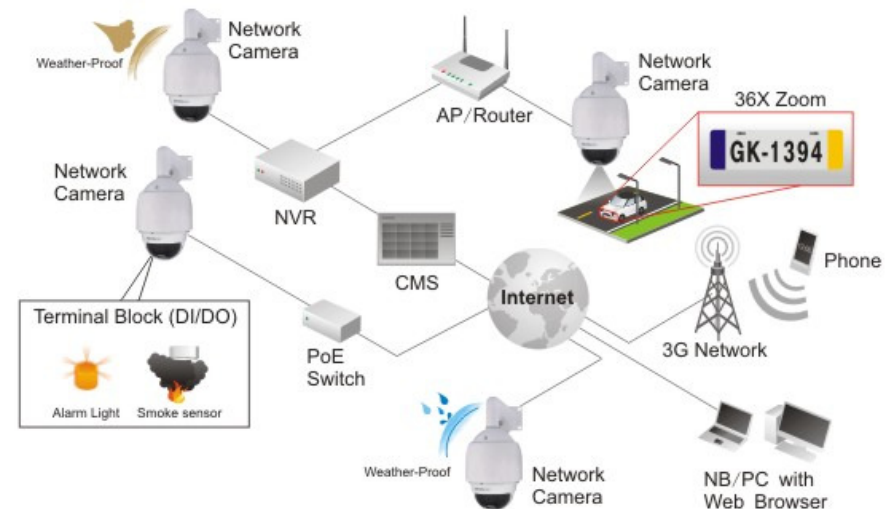
### OSD-040 36x Series

- > Sony Super HAD II CCD Sensor with Effio DSP in D1 Resolution
- > 36x Optical Zoom
- > 360° Endless Pan, 200° Tilt
- > MPEG-4 / MJPEG / H.264 Triple Codec Compression
- > 3D Privacy Masks for Private Area Protection

- > Weather-Proof (IP66) Casing with Built-in Fan and Heater
- > Removable IR-Cut Filter for Day and Night Function
- > 1 DI/DO for External Alarm and Sensor Device
- > EasyConfig. for Easy Set Up and GUI Integration

**OSD-040D 36X** VGA/ 2-way audio/ NTSC

**OSD-040E 36X** VGA/ 2-way audio/ PAL



# Brickcom Solutions

## NVR series (standalone & PC-based)

www.brickcom.com



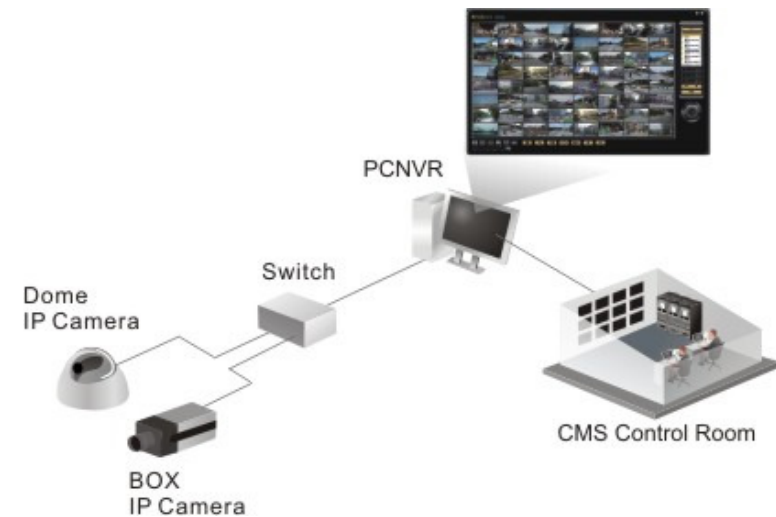
- BRC64** Up to 64-ch standard PC-based NVR (free bundle, can upgrade to RC64-Pro)
- BRC64-Pro** Up to 64-ch professional PC-based NVR
- NR-04A** Up to 4-ch standalone NVR
- NR-1604** Up to 16-ch standalone NVR

## Standalone NVR

Network Video Recorder

### NVR Series

- > User-Level Access Control
- > High Quality Live-Streaming & Video Playback
- > Export Playback Videos to AVI
- > Advanced PTZ Control
- > Linux-Embedded Operating System
- > Customizable Automatic/Manual Alerts
- > Pure Web-Based Administration



# Brickcom Solutions Networking Accessories

[www.brickcom.com](http://www.brickcom.com)

## Accessory



## Network Accessory





# *Appendix*

# Appendix

## Useful Links

www.brickcom.com

### ◆ Brickcom Introduction

<http://www.brickcom.com/aboutus/>

### ◆ BrickOne Solution®

<http://www.brickcom.com/solutions/brickonesolution.php>

### ◆ Brickcom Network Camera Live Demo & Video Clips

<http://www.brickcom.com/Demo/>

[http://www.brickcom.com/Demo/video\\_index.php](http://www.brickcom.com/Demo/video_index.php)

### ◆ Brickcom Products

[http://dl.dropbox.com/u/29196623/Brickcom\\_Product\\_Book\\_2011\\_08\\_official.pdf](http://dl.dropbox.com/u/29196623/Brickcom_Product_Book_2011_08_official.pdf)

Network Camera: <http://www.brickcom.com/products/Network-Camera/>

Video Server: <http://www.brickcom.com/products/Video-Server/Video%20Server%20Series/>

NVR: <http://www.brickcom.com/products/NVR/>

Network Accessory: <http://www.brickcom.com/products/Accessory/>

### ◆ Brickcom Successful cases

<http://www.brickcom.com/solutions/successcase.php>

# Appendix

## Brickcom Network Camera Awards

www.brickcom.com



**Secutech 2011  
Camera Excellence  
Award**

FB-130Np wins Camera Excellence Award at Secutech Taipei 2011 show



**2011 SSA Award  
Safety and Security  
Amsterdam**

GOB-130Ap got nominated for SSA Award 2011(The Netherlands)



**2010 ITEX Gold  
Medal**

Wireless Cube Camera was recognized at ITEX 2010 for its cutting-edge



**2010 Essen  
Security Innovation  
Award**

Brickcom's IP Camera just got Security Innovation Award Top 20 in Essen show 2011.

- **Product Award @2011 April Secutech Taipei**
- **WiFi Dual Band 1.3MP Fixed Box IP Camera WFB-130Np**



### FB-130N

- Sony Exmore Sensor
- Good performance in big contrast lighting condition





# Product Review - 2011

**Brickcom CB-101Ap-04**

Edmond Varwijk  
23 Feb. 2011 16:31

DELEN

De CB-101Ap-04-surveillancecamera van Brickcom doet in alles denken aan een concurrerende (en eerder geteste) Axis-camera. Toch zijn er kleine verschillen en een hogere prijs. Maakt de camera die hogere prijs ook waar?

De Brickcom CB101-Ap-04 lijkt als twee druppels water op de eerder door ComputerTotaal geteste Axis M1031-W camera, terwijl ook de specificaties grotendeels gelijk zijn en soms zelfs beter. De maximale resolutie van de Brickcom is 1280 x 800 pixels met 30 beelden per seconde. Dat is hoger dan bij de Axis M1031-W. Daarbij wordt behalve MJPEG ook H.264 en MPEG als videocodering ondersteund en kan de camera het signaal gelijktijdig via twee verschillend geconfigureerde streams aanbieden. Bij dit soort compacte modellen moet standaard met de hand worden scherpgesteld, en pan en tilt ontbreken. En er kan alleen digitaal worden ingezoomd, dat dus ten koste van de beeldkwaliteit gaat. De beeldkwaliteit is goed, maar minder goed dan bij de genoemde Axis-camera.

<http://computertotaal.nl/article/22268/brickcom-cb-101ap-04.html>

## The Netherlands Computer Magazine

CB-101Ap got superior review in The Netherlands Computer Magazine

**Ticking the right boxes?**

Brickcom - FB-100A Megapixel Camera

In recent years, the CCTV sector has seen an emergence of new manufacturers. Many enter with much fanfare, talk about their role in the future of the security industry, then disappear without so much as a whisper. Others appear, declare themselves market leaders, then slowly fade away. However, some have shown longevity in the market, and are considered to be defining what installers need. It might seem difficult to ascertain which brand newcomers are, but in the past the brand of device you have been able to work with. The major differentiator is product quality.

An important issue over new technology cameras is that open standards can be broken, over more so than with compatible video devices. For example, many of the new names offer megapixel cameras. It's an easy box to tick, so long as the device can push out over one million pixels. It's not necessarily an image size.

Compression is another very area. Most megapixel camera suppliers deliver MJPEG, like it's a guarantee of quality. There are more options of H.264 than you can shake a stick at, and unless the compression is correctly set up and applied, it can be worse than other options.

A lot of the new cameras also claim the usual security functionality, always are clouded as day/night, but that will be limited to simple green/IR.

Of course, this isn't to imply that a megapixel day/night camera using H.264 compression from a new brand isn't going to be good. Some do deliver, and deliver very well. These are the manufacturers who typically have some long-term plans for the security industry.

When Brickcom set up a UK office, and offered a megapixel day/night camera using H.264 compression, we decided to take a closer look at the FB-100A.

**Specifications**

The FB-100A from Brickcom has the look and feel of a security-focused camera. It seems a little like a high-end CCTV camera, but it has a few features that set it apart. It delivers real-time images using H.264 compression.

Although MPEG and MJPEG codecs are also available. Streams in the later two algorithms tend not to film, but streaming is available. The camera is a standard night model, in that it includes a reversible IR cut filter. This can be triggered either by the camera's internal processing, or an external trigger can be used. Using the internal processing, there is the ability to adjust the switching level. Sensitivity for the camera is claimed to be 1 lux.

The camera takes CS-mount lenses, and is supplied with a Computar varifocal 12mm/2.8-10 lens. Focal length is adjustable. Other options are available. The lens is IR corrected, but it is not a megapixel lens.

Installers need to be aware that any aberrations in the lens could be more obvious than with a standard CCTV camera, due to the higher resolution. This isn't an issue with the camera, but we would advise installers to use standard lenses in their own gear.

The camera is equipped with the usual settings: AWB, AGC, and auto exposure. There are also the less-used options of mirror and flip, as well as image adjustment tools such as

<http://www.benchmarkmagazine.com/issues/bmoct10.htm>

## UK Benchmark testing

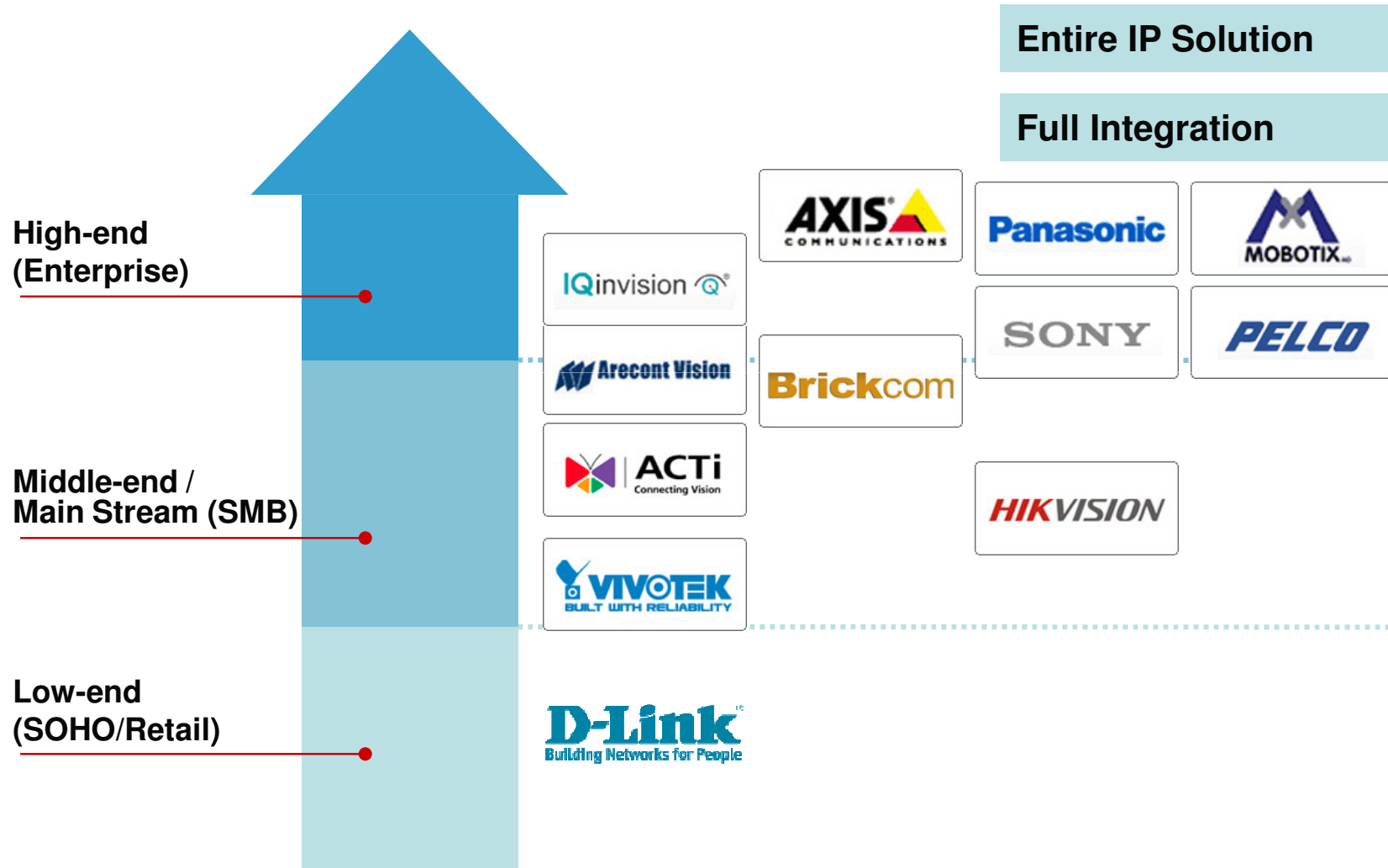
FB-100Ap attended the Benchmark testing in UK and got very superior review.

**BENCHMARK RATINGS**

Product Design:	85%
Features and Functions:	85%
Ease of Installation:	82%
Image Quality:	88%
Performance:	85%
Overall Rating:	85%

Tel: 020 3355 0870  
www.brickcom.com

# Brickcom Positioning and Market segment



# Why Brickcom

## 1. Complete and Full Featured Products

- H.264, MPEG4, MJPEG triple codec, dual streaming
- Video Resolution: VGA, 1M, 1.3M, 3M, 5M
- Video Rate: 720P|1080P HD Full Frame Rate
- Wireless Competence

## 2. High Quality

## 3. Total Solution

## 4. Easy Installation

- WPS
- Easy Config Software

## 5. One Stop Shopping



BRICKCOM, YOUR BEST PARTNER.

THANK YOU



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