

Brickcom

Confidential

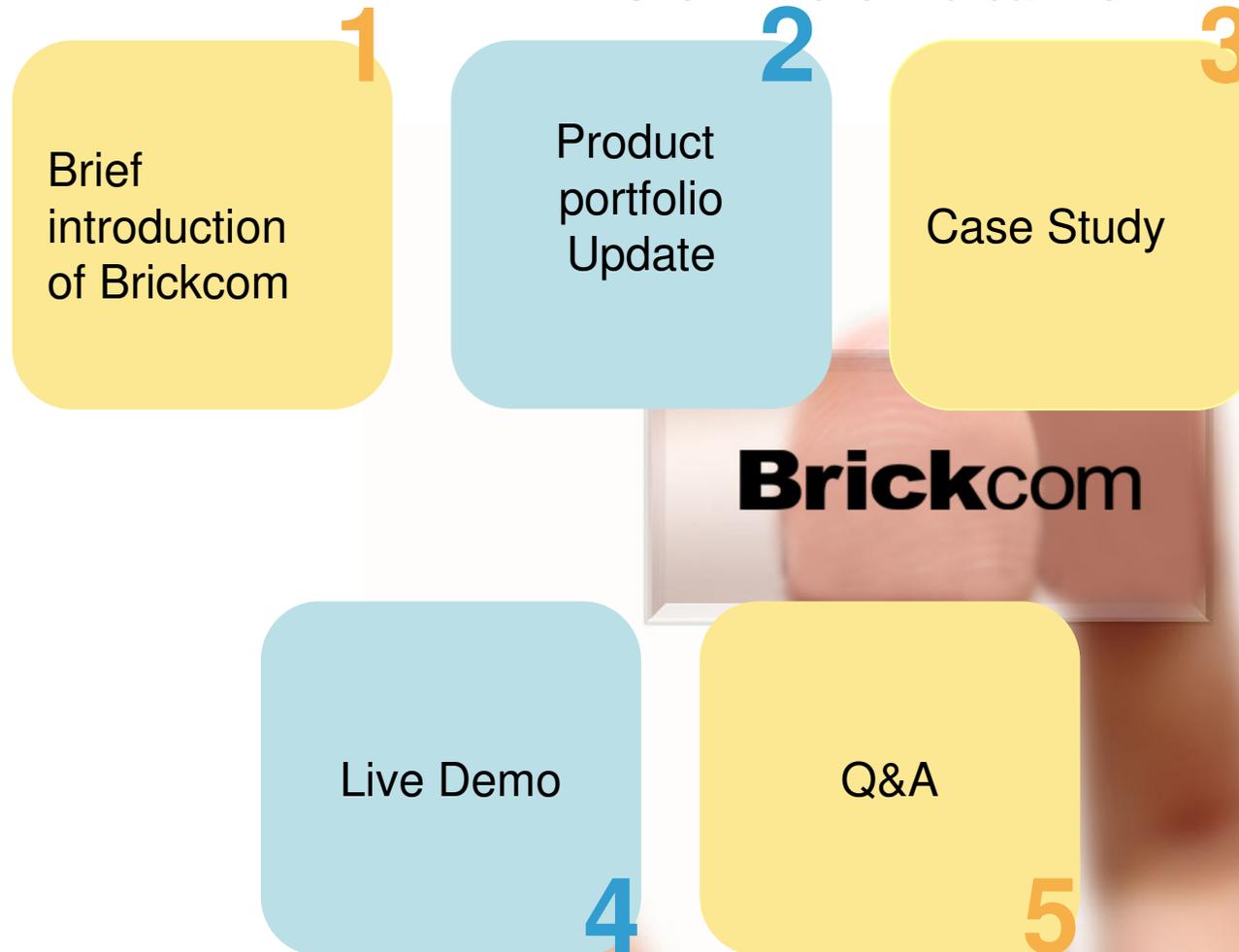
Sales Manager-Max
FAE Manager-Brady
Nov,2009

Brickcom's IP camera Roadmap and solution

Anything is behind Megapixel Technology

Agenda

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Company Profile at Glance

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Brickcom , Taiwanese company, the subsidiary of Gemtek Technology, specializes in developing and supplying IP surveillance solutions

Headquarter

Hsinchu, Taiwan

Foundation

Sept. 2008

Capital

USD3.5Million

Employee

80 People
(60% R&D)

Manufacturing Site

Hsinchu, Taiwan



Company Profile at Glance

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<p>Core Business</p>	<p>IP Surveillance System: IP Networking Cameras, Video Server, NVR and CMS.</p>
<p>Business Model</p>	<p>Global partnerships through extensive Distributors, System Integrators, Dealer and Reseller.</p>

<p>IP Camera</p>				
<p>Recording Software & CMS& Standalone NVR & Video Server</p>				
<p>•Lens • Enclosure • Enclosure with Infrared illuminator Accessory</p>				

Snapshot of the company

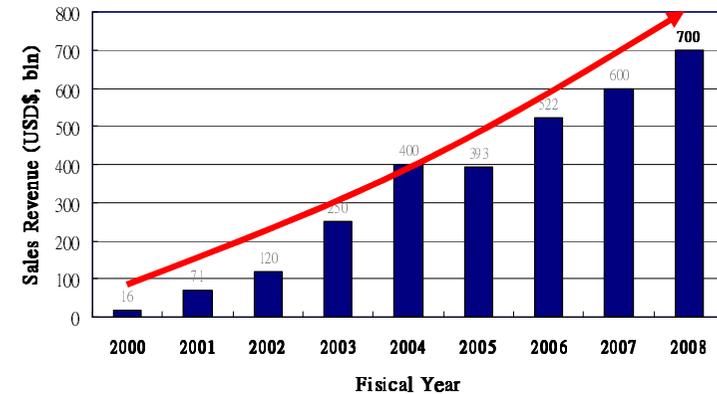
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A **World Class Networking and Communication ODM** company, Headquartered at Hsinchu, Industrial Park, Taiwan. Offices in EMEA, APAC, with over **4500** employees.

Gemtek is a **public listed company** in Taiwan Stock Exchange (TSE) since 2002, with market capital value of **USD\$ 350 M (Feb. 2009)**.

Strong and consistent growth on annual sales, estimated to hit **USD\$ 700 M mark in 2008**.

Our global business is organized into 5 business units, led by CEO Howard Chen.



Hsinchu HQ & R&D Center



Introduction of Gemtek Technology

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Core Business

ODM/OEM for wireless networking products (**WiMAX and Wi-Fi Module** for NoteBook), **IP-STB,IAD,ADSL,VDSL**, NAS, and so on.

Production Capacity

27 SMT lines, 8 DIP lines, 35 assembly lines and 11 packing lines.



Forecast for IP Surveillance

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- ABI claims that the global video surveillance market was \$13.5 Billion USD in 2006, growing to \$46 Billion USD in 2013.
ABI Research, June, 2009
- Megapixel camera growth had been estimated by IMS to be over 100% per year between 2009 – 2012. Frost forecasts that revenue from **IP cameras will exceed analog cameras** in 2013 but that it will not cross over in terms of units sold to 2020. Numerous analysts estimate the growth rate for IP/network cameras to **average 30-40%** over the next 5 years.

IP Video, Jan, 2009

Market shares for all cameras in 2008

Rank	Supplier 2008
1	Panasonic (PSS)
2	Pelco
3	Axis Communications
4	Bosch Security Systems
5	Sony
6	Samsung Electronics
7	Honeywell
8	GE Security
9	Samsung Techwin
10	Tyco Fire & Security
	Others

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IMS-
Research
report
2009

Source: IMS Research 2009

Market shares for network cameras in 2008

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Rank	Supplier 2008	Share
1	Axis Communications	31,2%
2	Sony	
3	Panasonic (PCC)	
4	Mobotix	
5	Panasonic (PSS)	
6	Bosch Security Systems	
7	ACTi Corporation	
8	D-Link	
9	Vivotek	
10	DVTeI	
	◦ Others	

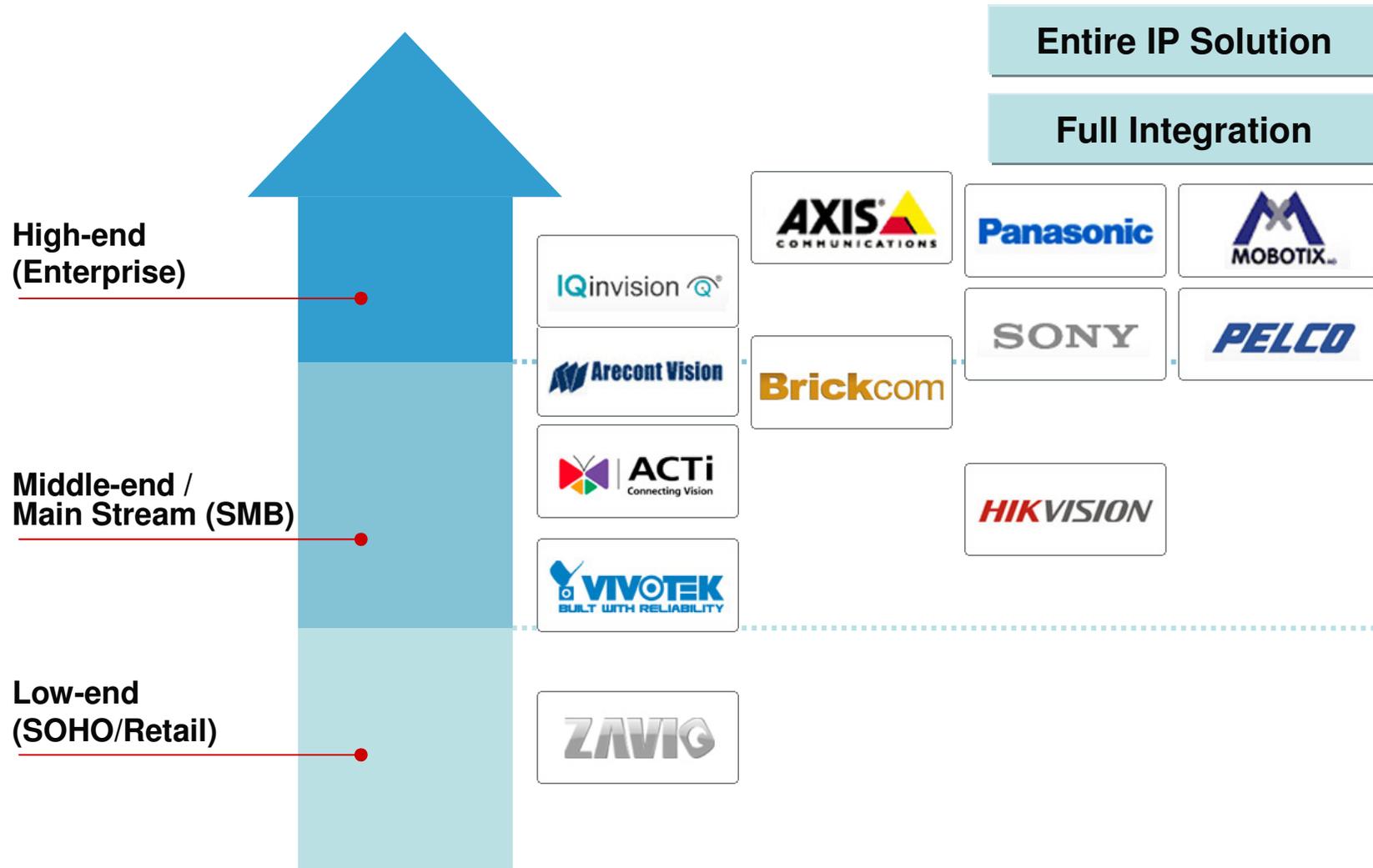
IMS-
Research
report
2009

Source: IMS Research 2009



Brickcom Positioning and Market segment

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Globe Sales Force



Worldwide Partnerships Network

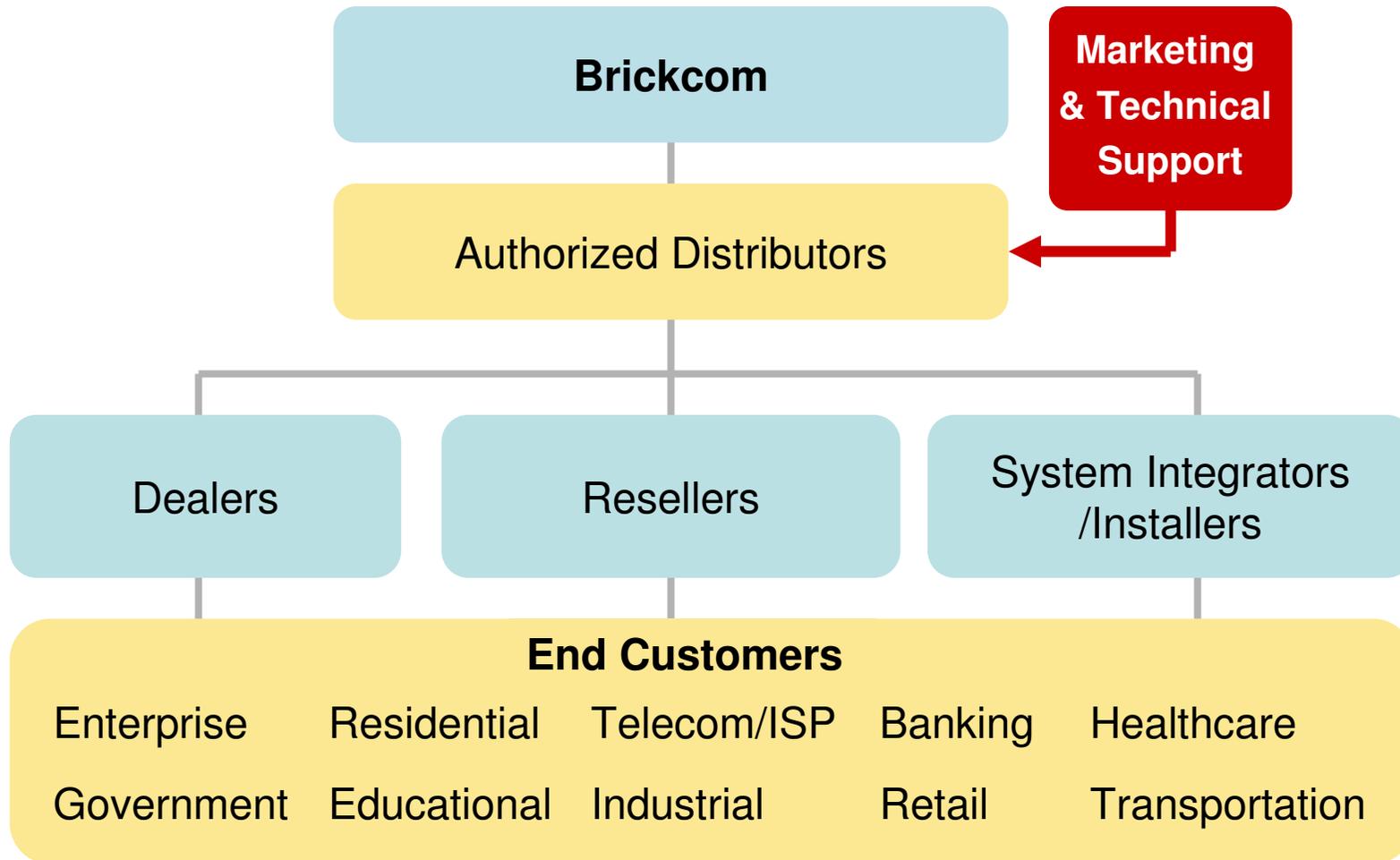
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Global Partnerships through worldwide distributors, reseller and system integrators.



Brickcom Business Model: Branding Channel Chain

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Superior Quality



Factory Highlight

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ISO 9001:2000
Certification
Since 2003



ISO 14001
Certification
Since 2003



TUV OHAS18001
Certification
since2004



TL 9000
Certification
since2006



WEEE
Since 2006



RoHS
Since 2006



QC 080000
Certification
since2007



Complete side by side on the demo site

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Brickcom FB-100A FIXED BOX NETWORK CAMERA

- > Megapixel resolution
- > Simultaneous dual stream for optimized quality
- > Support MPEG-4, MJPEG and H.264 Codec Compression
- > Removable IR-Cut Filter for Day and Night Function



AXIS 211M MEGAPIXEL NETWORK IP CAMERA

- > Megapixel resolution
- > Progressive scan
- > Simultaneous Motion JPEG and MPEG-4
- > Power over Ethernet

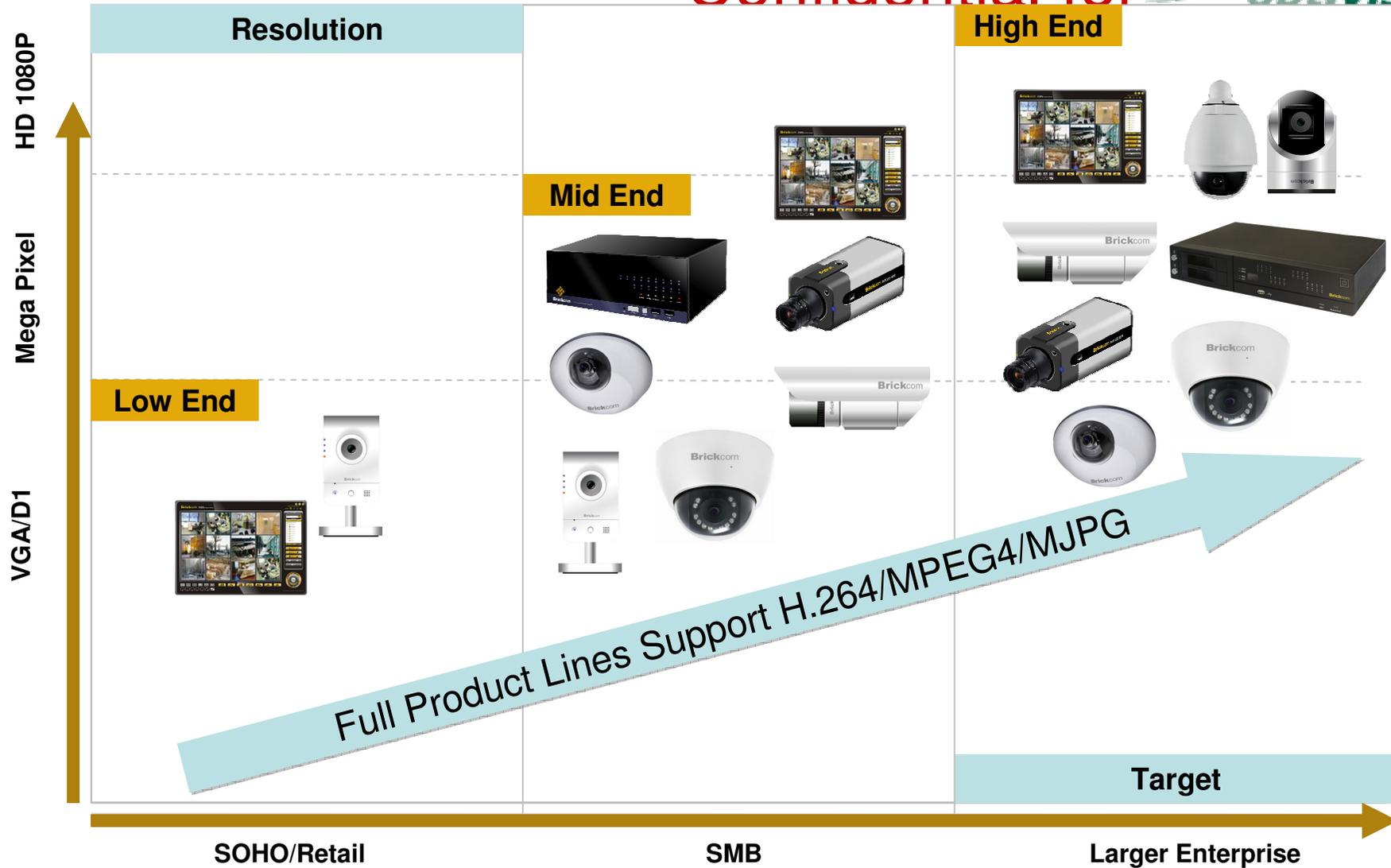


Product portfolio



Comprehensive Product Line

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2009 Q3



Day/night CMOS Fixed Dome Camera

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FD-100A



1 Megapixel Day & Night Fixed Dome Network Camera

- > Auto iris
- > Triple Codec
- > 3.3~12mm Vari-focal Lens
- > Power over Ethernet
- > Built-in IR Illuminator LEDs
- > Removable IR-cut Filter for Day and Night
- > DI/DO support
- > Max.Frame 30fps@1280X800



Day/night CMOS Fixed Camera

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FB-100A / WFB-100A

1 Mega Pixel Fixed Box Network Camera



- > Auto iris
- > Triple Codec
- > Vari-focal Lens
- > Ethernet/ AC/ DC
- > IR-cut Filter for Day and Night
- > Support WPS Button for WiFi Easy Setup
- > Support SD Card for local storage
- > Build in 11n Wireless Connectivity
- > Max.Frame 30fps@1280X800



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2009 Q4



Cube Fixed Camera

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CB-100A/ WCB-100A

1 Megapixel Cube Network Camera



- > Megapixel CMOS sensor with Triple Codec
- > PIR sensor
- > Privacy button
- > **Two way audio (Built-in MIC and Speaker)**
- > **Max.Frame 30fps@1280X800**
- > **11n & WPS for Easy Setup (Option)**
- > MSN Robot Feature

Outdoor Bullet Camera

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BC-040C-V

D1 WDR Outdoor Bullet Network Camera



- > 3.3 ~ 12mm Motorized-Vari-focal Lens
- > Auto iris
- > Removable IR-cut Filter
- > POE/AV/DC
- > WiFi 11n(WBC-040C-V)
- > 3G Connection(GBC-040C-V)
- > IP66 standard



16-CH Standalone Network Video Recorder

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NR-1604

Network Video Recorder



- > **Max.Frame Rate:480 fps@D1**
- > **Manage up to 16 Network Cameras**
- > **Advance PTZ Control**
- > **Linux-embedded Operating System**
- > **DI/DO Connectors**



64-CH Recording software (PC-Based NVR)

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BRC64-Lite

Free-Bundle PC-based NVR



- > **64 cameras** Supports Megapixel
H.264 / MPEG4 / MJPEG
compression format
- > **Live view** and recording
- > Digital zoom on live view and **playback**
- > **E-Map Monitor** and Event Alert
- > **Remote Access (IE)**
- > **Multi-Monitor**



Day/night CMOS Fixed Dome Camera

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FD-130A



**1.3 Megapixel Day & Night
Fixed Dome Network Camera**

- > **Auto iris**
- > **Triple Codec**
- > **3.3~12mm Vari-focal Lens**
- > **POE**
- > **Built-in IR Illuminator LEDs**
- > **Removable IR-cut Filter**
- > **DI/DO support**

Day/night CMOS Fixed Camera

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FB-130A / WFB-130A

1.3 Mega Pixel Fixed Box Network Camera



- > Auto iris
- > Triple Codec
- > Vari-focal Lens
- > Ethernet/ AC/ DC
- > IR-cut Filter for Day and Night
- > Support WPS Button
- > Support SD Card
- > Build in 11n Wireless
- > Analog Output(BNC)



1CH-Video Server

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VS-0104/WVS-0104

Video Server

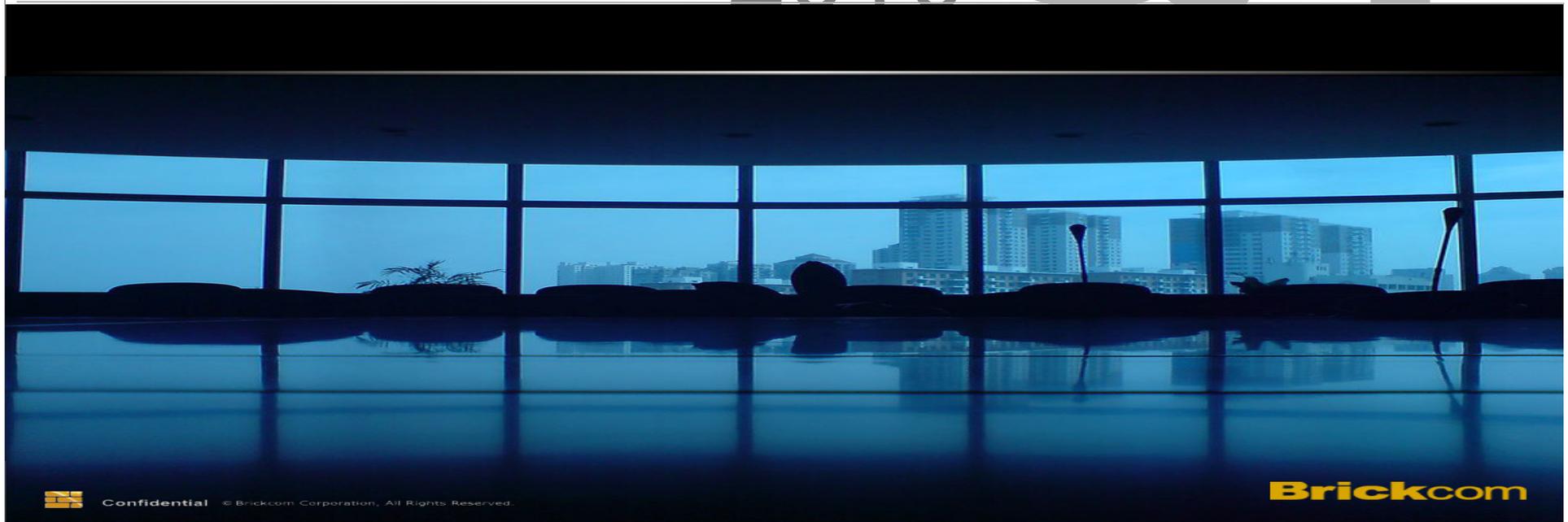


- > **Up to 30 fps in D1 Resolution**
- > Triple Codec
- > Digital I/O
- > POE/AC/DC
- > Two Way audio
- > **3D-Deinterlace**
- > Built-in SD Card Slot
- > RS-485
- > 802.11n & WPS feature(WVS-0104)



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2010 Q1



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Outdoor Day/night CMOS Fixed Dome Camera

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FD-130A-V

1.3 Megapixel Day & Night Outdoor Fixed Dome Network Camera



- > Auto iris
- > Triple Codec
- > 3.3~12mm Vari-focal Lens
- > PoE
- > Removable IR-cut Filter
- > DI/DO
- > IP66
- > Built-in IR LEDs & Fan & Heater



Outdoor CMOS Bullet Camera

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BC-130A-V

1.3M Outdoor Bullet Network Camera



- > 3.3 ~ 12mm Motorized-Vari-focal Lens
- > Auto iris
- > Removable IR-cut Filter
- > POE/AV/DC
- > WiFi 11n(WBC-130A-V)
- > 3G Connection(GBC-130CA-V)
- > IP66 standard



32-CH Network Video Recorder

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NR-3204

Network Video Recorder



- > Manage up to 32-IP Cameras
- > Various Types of Event Alerts
- > SATA Hot swap features
- > Video Out/HDMI(2010,Q2)



2009 Brickcom's Buying Guide

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2009/Q3

2009/Q4

End to End Solution

MegaPixel

H.264

IP Cameras

- FB-100A
- WFB-100A
- FD-100A

IP Cameras

- CB-100A/WCB-100A
- FB-130A/WFB-130A
- FD-130A
- BC-040D-V/WBC-040D-V/GBC-040D-V
- BC-040C-V/WBC-040C-V/GBC-040C-V

Standalone NVR

- NR-1604

PC Base NVR

- BCMS64-Lite

Video Server

- VS-0104/ WVS-0104





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High Volume of Globe Marketing Activities



SecuTech Taipei 2009

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ASIS International 2009

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CPSE Exhibition 2009

EXHIBITION
安博会展

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Welcome to visit us at B283, Hall 1 in CPSE Exhibition 2009, Nov 1~4. Shenzhen, China.



Worldwide Exhibitions for 2010

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2009, Nov China



2010, May UK



2010, Mar Japan



2010, Oct German



2010, May Taiwan



2010, Mar US

Brickcom is the Member of OnVIF/PSIA

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OnvVIF/PSIA define a common protocol for the exchange of information between network video devices including automatic device discovery, video streaming and intelligence metadata..



Driving network video through global standardization



Why Brickcom's IP Surveillance?

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Product



Price



Channel



Comprehensive Marketing Campaign



Quality





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Case Study



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Industrial

Manufacture

Telecom

Brickcom

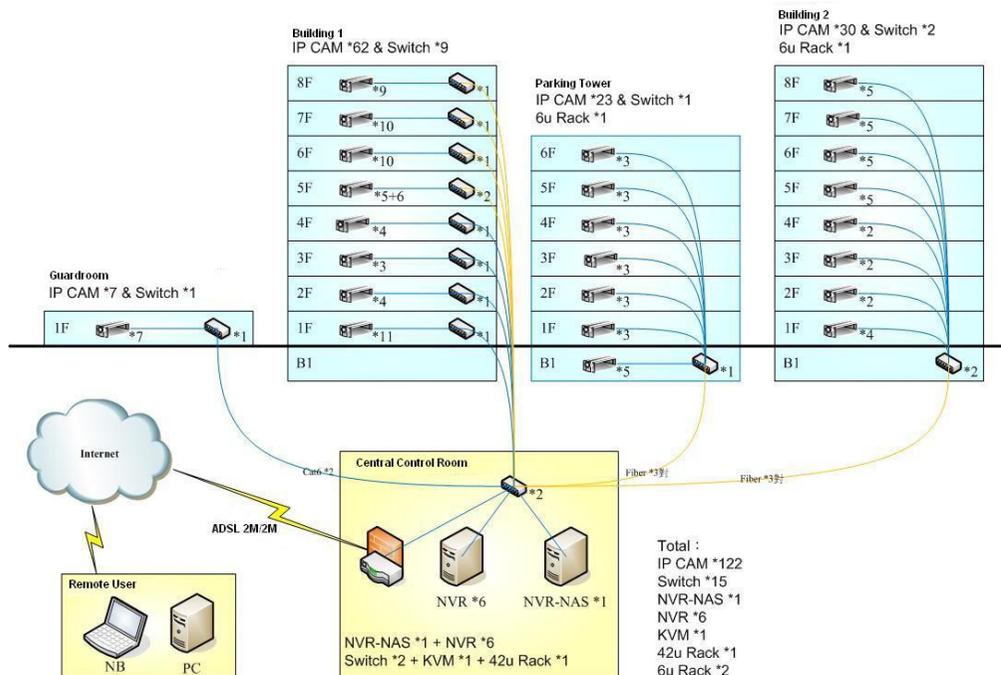
Government



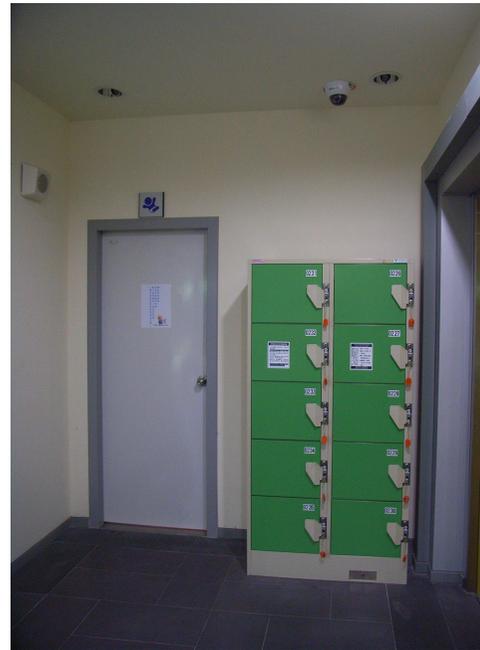
Industrial

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- Location: Taiwan
- Application: Industrial Surveillance System
- Component
 - FB-100A
 - FD-100A
 - BRC-64
 - PoE
 - Power Line



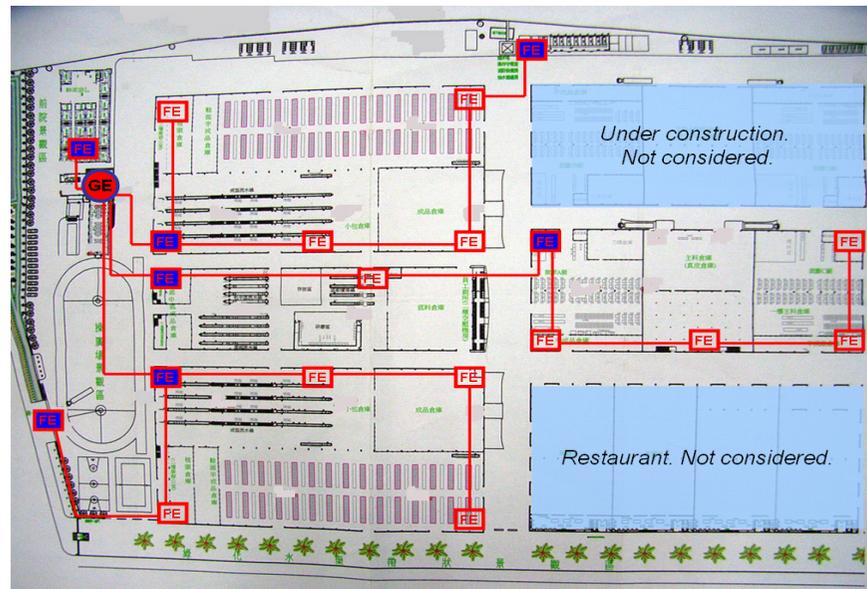
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Manufacture

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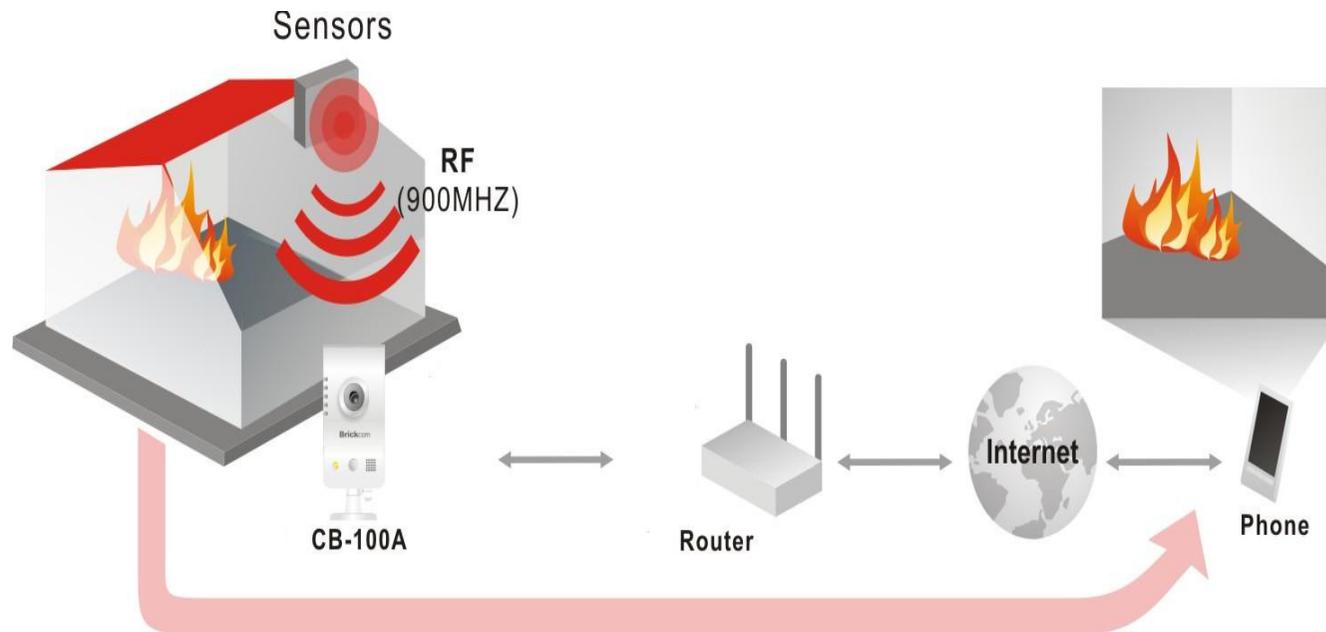
- Location: Shoes Manufacture in Cambodia
- Application: Manufacture Surveillance System
- Component
 - FB-100A
 - FD-100A
 - PoE
 - WiMAX



Telecom

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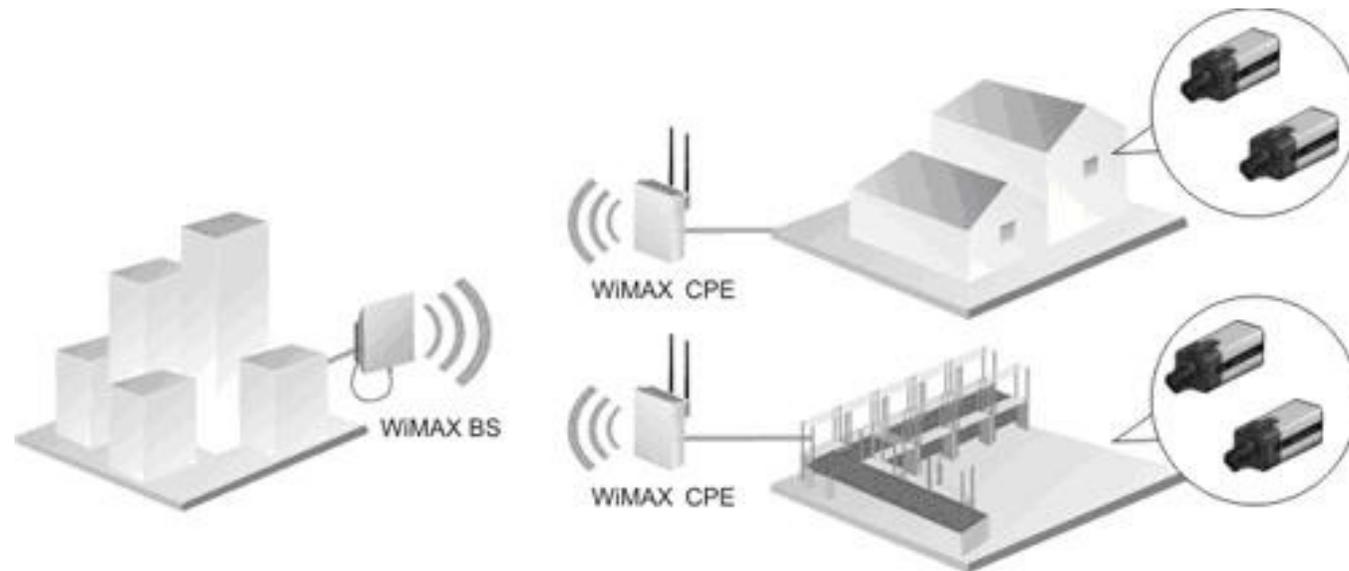
- **Location: Taiwan**
- **Application: Home Care / Home Security**
- **Component**
 - CB-100A



Government

Confidential for 

- **Location: Taiwan**
- **Application: Riverside Surveillance System**
- **Component**
 - FB-100A
 - WiMAX





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Cool Feature

MSN Robot



MSN Robot

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- Scenario



Brickcom's Intelligence Video Surveillance Solution

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2009 Q4 - Lite Version

1. Motion People Detection
2. Motion Vehicle Detection
3. Added Object Detection
4. Missing Object Detection
5. Forbidden Region Detection
6. Motion Detection at Near Infrared
7. People/Vehicle Count



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