

Brickcom

Components of the IP Surveillance Solution

F&E Team

2011.8

Agenda



Fundamental Components



Components for CCTV Compatibility



Components for Advanced Deployments

Fundamental Component (1/3)

❖ IP Network Camera

- Monitoring
- Taking snapshots & video
- Integration with sensors and alarms to enhance the security.



Fundamental Component (2/3)

❖ Network video recorder (NVR)

- Used to see the live view of the IP network camera, record the video and play it at a later time.
- Stand-alone NVR: compact, in-a-box design. The hardware is designed “as is” and may not be upgraded.
- PC-based NVR: typically available as Windows software. It’s performance depends on the hardware it is running on.



NR-1604

Stand-alone NVR 16-
channel

BRC64

PC-based NVR 64-
channel

Fundamental Component (3/3)

❖ Ethernet cable & switch

- Connects the IP network camera to the NVR.
- The length of Ethernet cable between two directly connected network devices is up to 100 meters. For longer distances, an Ethernet switch has to be used.



Components for CCTV Compatibility

❖ Video Server (VS)

- Used to transform the analog video signal from a CCTV camera into the digital data and send it over the network to the NVR.
- With the aid of VS, the user can still use the existing CCTV cameras and keep the old investment.



Components for Advanced Deployment (1/3)

❖ Central Management Server (CMS)

- Manages multiple NVRs. May also manage the DVR (digital video recorder, used with CCTV cameras) if it can be controlled and connected to the network.
- The NVRs under control can be located virtually anywhere geographically, as long as they are reachable via the network.



Components for Advanced Deployment (2/3)

❖ Surveillance Accessories

- Enclosure: protects the camera that is deployed outdoors.
- Infrared (IR) LED: used with the camera at night or in the low-light scenarios. The camera must be able to receive the infrared light.



Components for Advanced Deployment (3/3)

❖ Networking Accessories

- Wi-Fi AP & client: used in places where Ethernet cabling is difficult.
- Power over Ethernet (PoE): if the IP network camera supports it, the camera can be powered by just the Ethernet cable, with the use of PoE injectors or PoE-enabled switches.

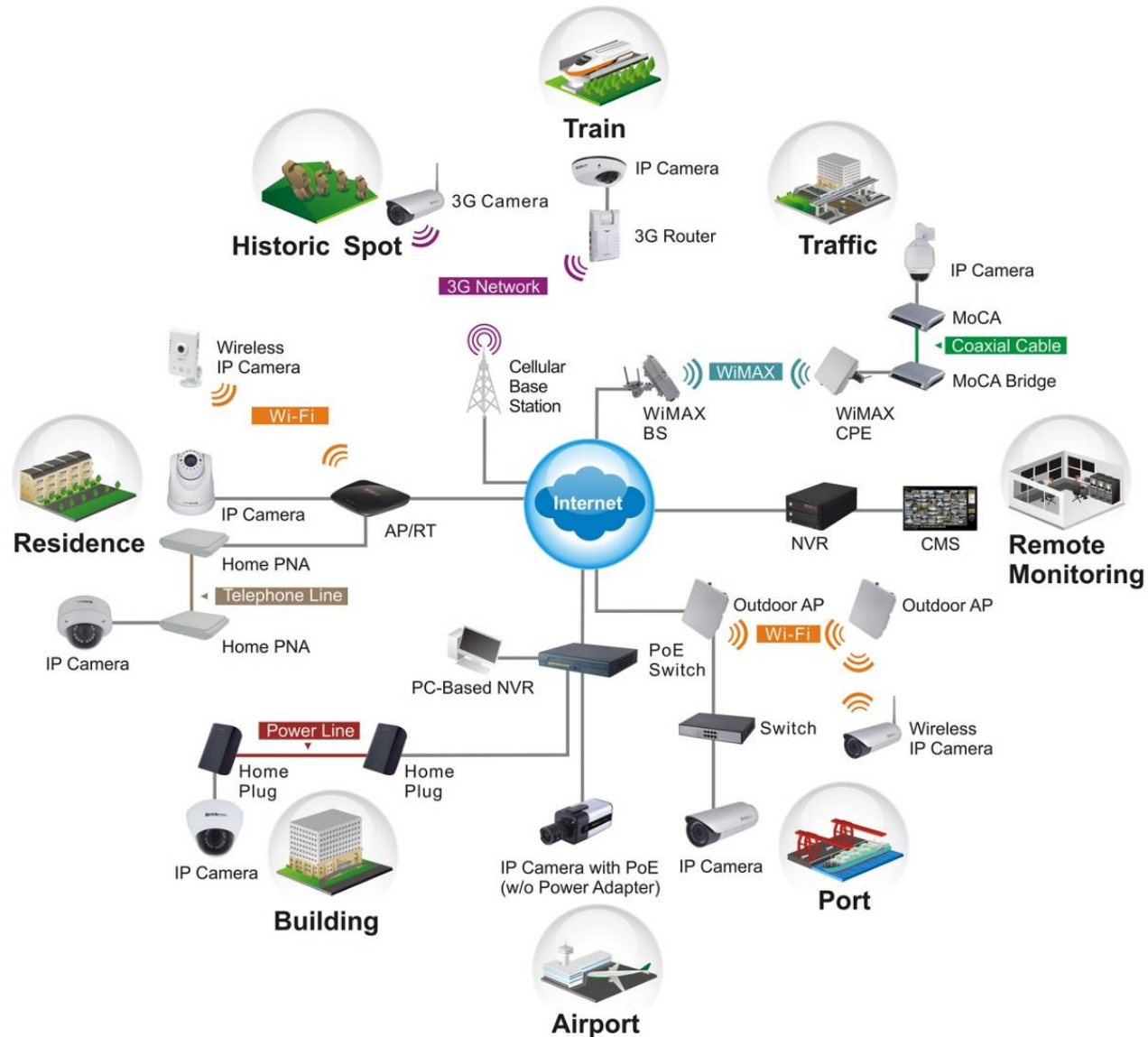


Components for Advanced Deployment (3/3)

- MoCA/Homeplug/HPNA adapter: they turn the phone wire, power wire and coaxial cable into data networks. With such devices, Ethernet cabling is not necessary.
- 3G adapter & WiMAX BS/CPE: used for deployment in large geographical areas where the distance between the components is too long for Ethernet cabling (ex. City-wide surveillance system).



BrickOne Solution [®]



Contact Us

Brickcom Corporation Headquarters

Address	No.1 Jen Ai Rd, Hsinchu Industrial Park, Hukou, Hsinchu, Taiwan, R.O.C. 303
Tel	+886-3-5982022
Fax	+886-3-5982023
Website	http://www.brickcom.com
Sales & Marketing	info@brickcom.com
Support	support@brickcom.com

Brickcom, your best partner.

Thank You

