

What is your trouble in using Network IP Camera?

- Public Network IP address?
- Dynamic DNS?
- Port mapping?
- Virtual server?
- NAT configuration?
- uPnP support in router?

How to avoid these troubles?

- Use ID and Password
- Use Assistant Connection Address like email address

Need any additional service charge?

- No!



<http://www.e-kam.com>

DESCRIPTION

EK100 Series Box IP Camera is designed specifically for high-quality and affordable network based monitoring. It combines high performance with many value-added features such as built-in connection assistant server, web server, embedded Linux operate system, working through NAT Devices, activity detection and pre-/post-alarm recording, etc. Plus, because it is similar in size to common CCTV cameras, you can install them using 8-inch camera housings. Equipped with Sony progressive scan CCDs and advanced DSP technology, this produce provides high-resolution images and deliver excellent color reproduction capabilities. It also supports advanced MPEG4-ASP and MPEG4-SP compression format for great flexibility when configuring your network environment or choosing an application. For further efficiency and effectiveness in operating your IP Surveillance System, this product offers a simultaneous access capability, a multicasting feature, and a choice of network security functions such as IP filtering and password protection. If you want an affordable, feature-rich solution for your IP based security and surveillance applications, EK100 Series Box IP camera is a perfect choice.

Thank you for reading this datasheet, if you need any online technical support, please feel free to contact us.

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KEY FEATURES:

- Support self-building DDNS Server based on NMCP Protocol, enables you to access accurately and easily over WAN, completely settled the troubles of Dynamic IP Address.
- Support working through NAT devices, allows you to access easily with an assistant connecting address without any Router's configurations.
- Support being identified automatically by management software in local area network.
- Support Duo-Rate-stream Transmit function, to save the system and network resources.
- Support adaptive rate control function.
- Support being decoded over WAN by using an EK500 Series Decoder, the decoded image can be output to a TV set or monitor in turn. The Dwell time of an image can be adjusted.
- Built-in web server function, allowed to be accessed expediently via Internet Explorer.
- Built-in embedded Linux operation system, support downloading the software, upgrading and setting the device.
- Support fault detection, recovery and automatic connection.
- Multi-protocols supported: TCP / UDP / HTTP / PPPoE / DHCP / DNS / AGMP / TFTP.
- Variety of power options: DC 12 V, or PoE (Power over Ethernet).
- Equipped with Sony progressive scan CCDs and advanced DSP technology – provides clear and detailed images while maintaining high sensitivity.
- Choice of compression formats: advanced MPEG4-ASP. MPEG4-SP.
- Limits data bit rate while maintaining high-quality images, Ideal when network bandwidth is limited, Useful for calculating the required bandwidth during installation
- Alarm function: with activity detection and pre-/post-alarm recording modes.
- Bi-directional audio function.

SPECIFICATION

CAMERA

Image Pick-up Device: 1/3 SONY CCD

Total Pixels: 811(H) x 508 (V)

Effective Pixels: 720 (H) x 494 (V) or 510 (H) x 494 (V)

Scanning System: 2:1 Interlace 525 Lines / 60Fields / 30 Frames

Synchronization: Internal / Line Lock selectable

Horizontal Resolution: Color: 420 TVL, 480 TVL or 520TVL

Min. Illumination: 0.1 Lux

Gain Control: Auto

Lens Mount: C / CS mount (Easy or Focus type)

IMAGE

Compression Format : MPEG4-SP / MPEG-4-ASP

Maximum Frame Rate: MPEG4 : 30 fps (NTSC), 25 fps(PAL)

Digital Image Resolution: D1(PAL: 720 x 576 \ NTSC: 720 x 480), CIF(352 x 288)

Image Encoded Bandwidth: 64kbps to 4Mbps

Bit rate adjustment: Variable Bit Rate (VBR) or Constant Bit Rate (CBR)

Image Parameter Adjustment: Quality, Contrast, Brightness, Hue and Saturation

Caption Overlay: Support date and time texts overlay on image and the positions of the texts can be adjusted.

AUDIO

Audio Compression: ADPCM

Audio Encoder Bandwidth: 32kbps

Built-in Mini Microphone

INTERFACE

Ethernet: 10Base-T/100Base-TX (RJ-45)

I/O port: 5 GPIO connectors for Input or Output

Communication Connector: 1 RS-232 selectable

External Microphone Input: Mini-jack (monaural, 2.2 K2.5 V plug-in power)

Audio line Output: Mini-jack (monaural), max output level: 1 Vrms

GENERAL

Mass: approx. 320G (1 lb 2 oz)

Dimensions: 138*95*27mm

Power Requirements: DC 12 V / PoE

Power Consumption: 3.5 W.

Operating Temperature: -10 to 60 degree

Storage Temperature: -10 to 60 degree

Relative Humidity: 10% to 90%

SYSTEM REQUIREMENTS

Operating System: Microsoft Windows 2000/XP

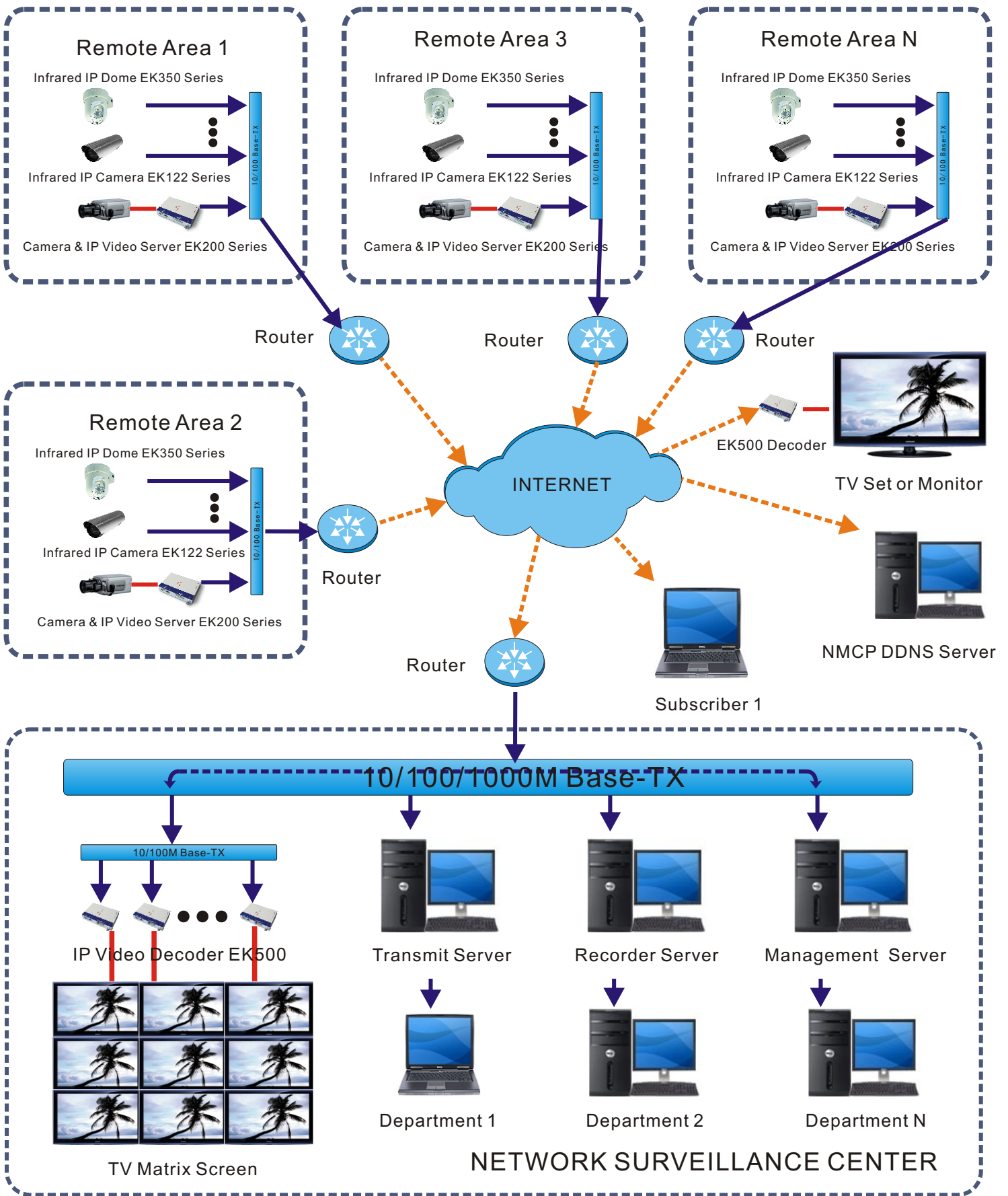
Processor: CPU: Intel Pentium IV 1.5 GHz or higher

Memory: RAM: 256 MB or more

Web Browser: Microsoft Internet Explorer Ver.5.5 or higher

E-KAM SURVEILLANCE SYSTEM ORGANIZATION

E-KAM



LAN
LAN Switch



Router

CAT 5 Network Cable

75-5 Coaxial Cable

Internet Connect

e-KAM

Make Security Easiest

EKDS081016EN



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