

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

Looking for a high-performance infrared camera to have the most reliable 24-hours a day surveillance? For sophisticated yet economical video-surveillance capabilities, you can't go wrong with E-KAM EK120 Series Infrared IP Camera. It provides high-resolution video images regardless of day or night, and it can detect and distinguish a moving subject in a really dark environment with 0 Lux minimum illumination. Equipped with various features for advanced functions such as high-resolution video images, ICR Day & Night feature, Vari-Focal Lens and outdoor camera housing ensures you have the most reliable 24-hours a day video surveillance that provide clean and vivid image for all major areas including : military bases, ammunition dumps, outskirts of factories and small-sized stores.

Moreover, 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. 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.

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

TECHNICAL SUPPORT CENTER
E-KAM TELECOMMUNICATIONS

e-KAM

KEY FEATURES:

- Equipped with high-performance IR LEDs that can detect and visualize even the small movement of subjects in total darkness without any light. It can be trusted to deliver the most reliable video surveillance by providing you with vivid color video images during the day and high-resolution black and white images during the night.
- Support ICR True Day & Night function: EK120 Series provides you with the ICR True Day & Night feature. It automatically removes the IR filters when night falls and switches to B/W mode to provide high image resolution during the night.
- Support IP65's Waterproof & Dustproof function & Sun Shield function suitable for outdoor.
- 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 Lux
Gain Control: Auto
Lens Mount: C / CS mount (Easy or Focus type)

SPECIFICATION

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. 1.5KG (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

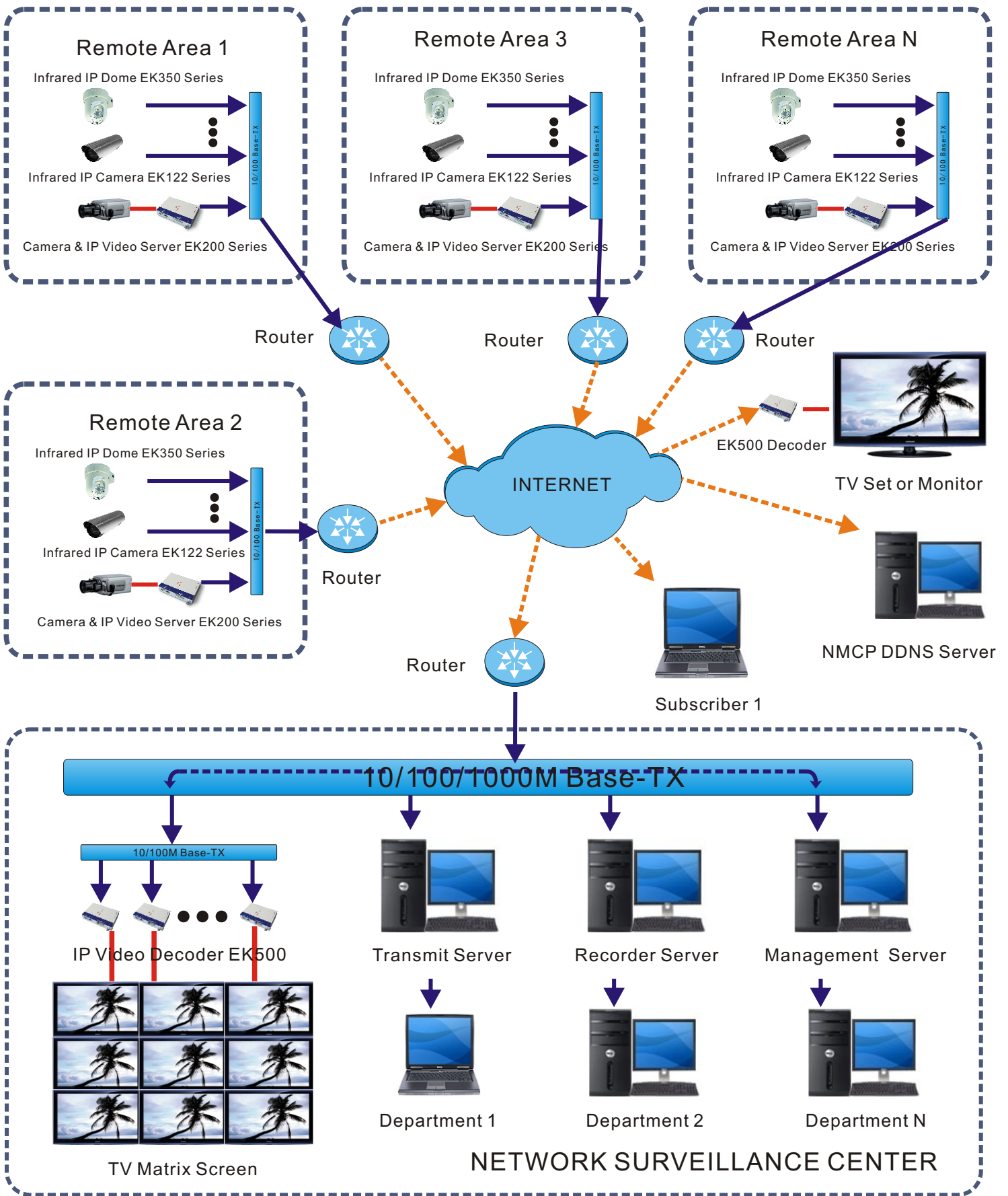
Processor: CPU: Intel Pentium IV 1.5 GHz or higher

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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