

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!



EK300 SERIES INTELLIGENT IP DOME CAMERA

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

DESCRIPTION

Ek300 intelligent IP dome camera is a network camera supporting High-performance MPEG4-ASP and MPEG4-SP compression format with Zoom, PTZ capability and medium rotating speed. Packaged in a sleek and stylish body, EK300 Series intelligent IP dome is ideal for webcasting and remote-monitoring applications almost anywhere from airports to train stations, factories to supermarkets, and from street corners in small towns to big sports arenas. Remote video monitoring over a network has never been easier. With Ek300 intelligent IP dome, setup is simple and more cost effective than conventional CCTV systems. This is because the network infrastructure is often already in place or it is rapidly becoming standard for new building construction. Once the network connection is established, images from the camera can be efficiently streamed over the network.

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:

- 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: 1/4" SONY, LG or HITACHI HAD CCD all-in-on block camera
TV System: PAL: 752 (H) x 582 (V); 2:1 Interlace
NTSC: 768 (H) x 494(V); 2:1 Interlace
Horizontal Resolution: 420 or 480 or 520 TV lines, refer to order information
Synchronization: Internal / External V-lock
Optical Lens: 16X Optical zoom f=3.9mm(wide) – 63.00mm (tele), F1.6-3.8
22X Optical zoom f=4.00mm(wide) – 88.00mm (tele), F1.6-3.8
18X Optical zoom f=3.5mm(wide) – 91.00mm (tele), F1.6-3.8
Digital Zoom: 10X or 12X
Minimum illumination: Usually 1.0 Lux (1/60s NTSC 1/50s PAL), or 0.01Lux (1/4s NTSC 1/3s PAL ,ICR-ON)
Focus and Iris: Auto / Manual
OSD Language: English
Remark: Ek300 Series IP Dome camera can be equipped with various block cameras according to detailed requirements.

PAN / TILT

Tilt Angle: -91 degree to 0 degree with auto turn function Pan Angle: 360 degree continuous

Manual Pan Speed: 1 to 80 degree / sec. Manual Tilt Speed: 1 to 40 degree / sec.

Presets: 64 presets with editable time

Auto Scans: Auto scans up to 360 degree continuous

Pattern Tours: 6 programmable pattern tours

Auto Running: Allows the dome to return to any preset, sequence, pattern, panning automatically after a period of time without getting signal

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

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. 5.5KG (1 lb 2 oz)

Dimensions: 6 inch in diameter

Power Requirements: DC 12 V / PoE(IEEE802.3af)

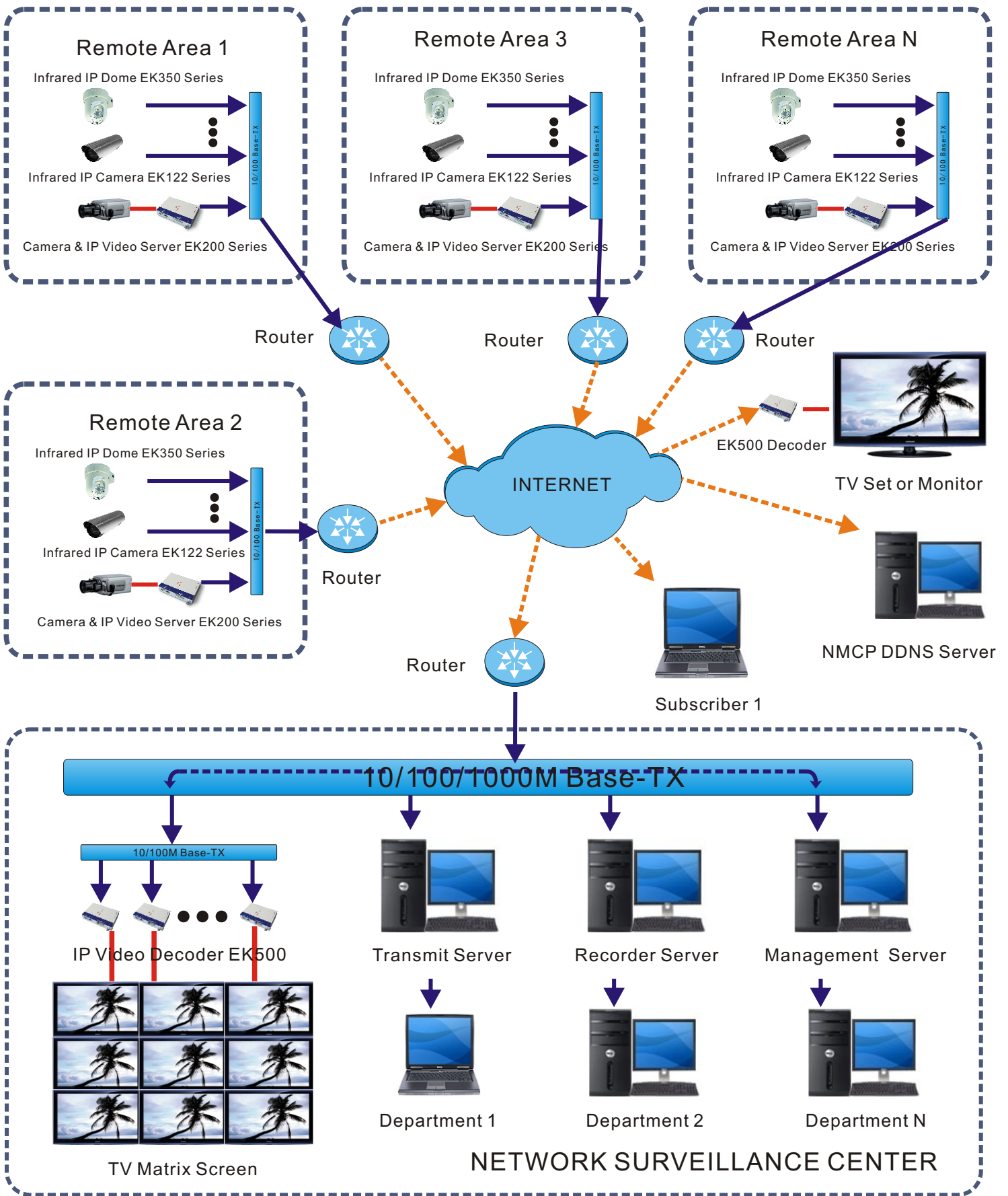
Power Consumption: 40 W.

Operating Temperature: -10 to 60 degree

Storage Temperature: -10 to 60 degree

Relative Humidity: 10% to 90%

E-KAM SURVEILLANCE SYSTEM ORGANIZATION



LAN
LAN Switch



Router

CAT 5 Network Cable

75-5 Coaxial Cable

Internet Connect

e-KAM

Make Security Easiest

EKDS081016EN



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