

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 !



**EK360 SERIES MINI IP SPEED DOME CAMERA**

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

## DESCRIPTION

EK360 Mini IP Speed Dome Camera is a network camera supporting High-performance MPEG4-ASP and MPEG4-SP compression format with PTZ capability. With a sleek and stylish body, EK360 Mini IP Speed Dome Camera is ideal for the applications of webcasting and video conference anywhere almost from exhibition, office, and supermarkets etc.. Remote video monitoring over a network has never been easier. With EK360 Mini IP Speed Dome Camera, setup is simple and more cost effective than conventional CCTV systems. This is because the network infrastructure is often already in place and it is rapidly becoming a standard for new building construction. Once the network connection is established, images from the cameras 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

<b>CAMERA</b>
Image Pick-up Device: 1/4" SONY CCD
TV System: PAL: 752 (H) x 582 (V); 2:1 Interlace
NTSC: 768 (H) x 494(V); 2:1 Interlace
Horizontal Resolution: 480 TVL
Synchronization: Internal / External V-lock
Optical Lens: 10X Optical zoom f=4.2mm(wide) – 42mm (tele), F1.8
Digital Zoom: No.
Minimum illumination: 2.5 Lux (1/60s NTSC 1/50s PAL)
Focus and Iris: Auto / Manual
OSD Language: English

**PAN / TILT**

Tilt Angle: -180 degree to 0 degree with auto turn function Pan Angle: 360 degree continuous

Manual Pan Speed: 1 to 280 degree / sec. Manual Tilt Speed: 1 to 100 degree / sec.

Presets: 64 presets with editable time

Auto Scans: Auto scans up to 359 degree

Pattern Tours: 4 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. 0.7KG (1 lb 2 oz)

Dimensions: 145 mm- 124 mm-120 mm

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

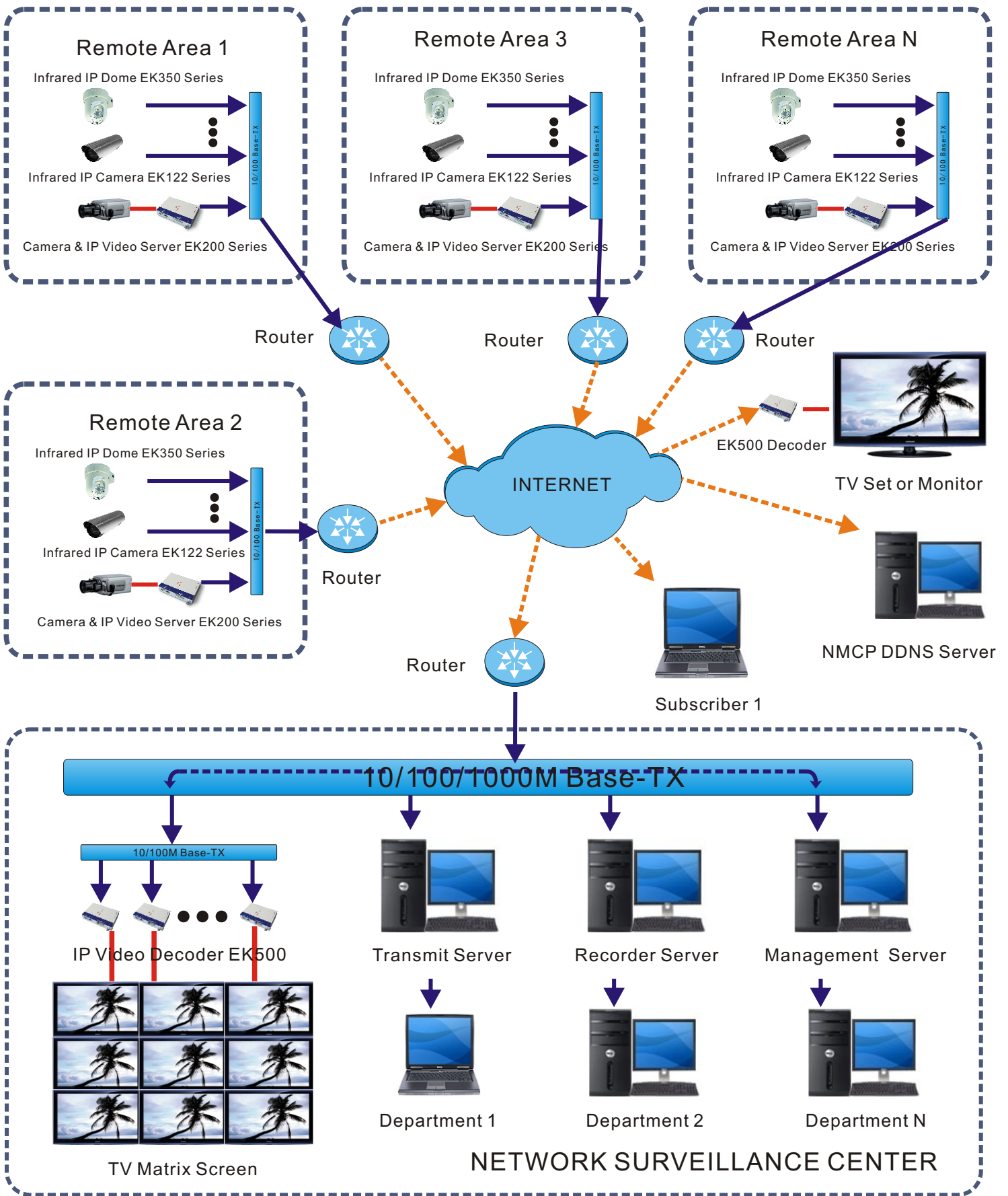
Power Consumption: 20 W.

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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