

# BlueEyes BE-4211 Video Encoder



## Feature

- Our comprehensive Plug & Play features:
  - The PnP IP address- supports UPnP protocol
  - The PnP configuration- USB interface for setup
  - The PnP recording- built-in SD card for alarm and schedule recording
- Digitizes video signal and transmits via TCP /IP network
- Built-in motion detection (96 independent blocks with 5 levels of sensitivities per channel).
- Supports a wide range of PTZ cameras
- Supports 14 languages user interface, including Traditional Chinese and English
- Supports 1DI / 1DO
- USB Interface for setup

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## Specification

### Processor and Memory

- CPU: 32 bit
- Independent video compression chip, 8MB, digital image compression
- Memory: 32 Mbyte RAM, 8Mbyte Flash
- Battery for real-time clock
- Watchdog function

### Video compression

- MJPEG / MPEG4

### Resolution

- NTSC:
  - 720x480 (Full D1)
  - 704x480 (4CIF)
  - 720x240 (2CIF)
  - 352x240 (CIF)
  - 176x112 (QCIF)
- PAL:
  - 720x576
  - 720x288
  - 352x288
- MJPEG picture size: 4~64 KB (adjustable 0~100%)
- Digital Signature
- MPEG4 picture size: 5 level (64kbps~8Mbps, Bit rate)

### Video frame rate

- MJPEG: 720x480@30fps
- MPEG4: up to 30/ 24/ 15 / 5fps at all resolution

### Image setting

- NTSC/ PAL
- Brightness
- Contrast
- Saturation
- Hues
- Watermark: Time/Date/Title/Error-Status
- Subtitle editor and display:
  - Chinese subtitle
  - Time
  - Date
  - Location
- Static MPEG4 ASP,
- Camera title : 15 characters

### Remote Image Access

- Web browser or IP-Surveillance
- Client PC Requirements
  - Windows OS: 2000/XP or above
  - Browser: Mozilla, Opera, Internet Explorer5.0 or above, Netscape Navigator 4.x or higher

- Adjust via internet:
  - Image quality
  - Compression ratio
  - Date
  - Time
  - Name
  - Watermark.etc

### Audio

- RCA Audio in : 1 channel, 8 kHz sampling, u-law
- RCA Audio out : 1 channel, 8 kHz sampling, u-law

### System Integration

- Development tools:
  - Active X
  - HTTP-API
  - SDK
- MJPEG:
- Wireless: IEEE 802.11&11b

### SD card recording mode

- 24 hours
- Motion detection
- Schedule
- DI
- Disconnection
- API

### Security

- 10 users with 3-Level password protection
- IP address filtering

### Alarm and event management

- Built-in Advanced MD (96 zone,5 level sensitivity setting)
- SD card recording
- Action:
  - Alarm output
  - FTP
  - E-mail
- Video Loss auto detection: send alarm via HTTP or TCP/IP

### Installation and maintenance

- Setting IP address via USB
- Support NTP server
- Reboot device and reset to factory default via IE browser
- Automatically on-line services

### PTZ

- Support most of PTZ cameras and speed domes
- Built-in 32 kind of cameras operation
- Setting:
  - Preset position

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- Preset name
- Preset

## Connector

- Ethernet (RJ-45Wired, 10/100 Base-TX), MDIX Support
- Network Type:
  - 10baseT full-duplex
  - 10baseT half-duplex
  - 100baseT full-duplex
  - 100baseT half-duplex
- Analog composite video input: BNC x1, 1.0 VPP, 75ohm
- Analog composite video output: BNC x1, 1.0 VPP, 75ohm
- RS-485 x1
- RS-232 x1
- USB 1.1 x1
- I/O :
  - 1 alarm input
  - 1 alarm output
  - 1 alarm reset
- SD card(SHDC Support), recording in JPEG Snapshot / AVI File

## Input voltage

- 12V DC/ 200mA, 2.5W

## Operating environment

- Operation temperature : 0 – 50°C (32°F ~ 122°F)
- Humidity: 80% or higher

## Installation and maintenance

- Upgradeable through:
  - SD-Card
  - Web
  - FTP

## Protocols

- TCP/IP, DHCP, HTTP, ICMP, SNMP, UPnP, DDNS, PPPoE, FTP, SMTP, NTP
- Connect to the internet via ADSL, CABLE, modem
- HTTPS encryption
- Web server:
  - Static IP and DHCP
  - SMTP
  - HTTP
  - PPPoE
  - UDP
- RTP over TCP

## Regulation

- FCC
- CE
- RoHS

## Dimension and weight

- 110(W)x60.5(H)x33.5(D)mm
- 250g

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