



EDS-341

## Features

### Extensive camera and video functions

- ✓ Built-in 1/3" micron progressive scan CMOS
- ✓ Integrated f4.2mm / F1.8 megapixel lens
- ✓ Supports day and night function with Mechanical IR Cut Filter
- ✓ Supports 0.05 Lux at F1.0
- ✓ Supports selectable MPEG4/MJPEG compression
- ✓ Supports up to 1280 x 1024 SXGA resolution at 8 FPS
- ✓ Supports multi-stream with variable frame rate in the same compression
- ✓ Supports 2 way audio
- ✓ Supports manually bitrate control from 28Kbps up to 3Mbps
- ✓ Built-in hardware motion detection
- ✓ Supports network security via setting up multiple user access levels
- ✓ Supports ToS (Type of Services) tag adding into streaming data

### Networking & industrial protocols

- ✓ Provides 1 x 10/100 Mbps auto MDI/MDI-X Ethernet ports with RJ-45 connector
- ✓ Supports various networking protocols: TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP,....etc

### Power & Housing

- ✓ Support 12VDC power or PoE (IEEE802.3af) with Class 3 input
- ✓ Supports operating temperature from -10 to 50°C (-14~122°F)



## Overview

The EDS-341 is an Indoor dome type Megapixel IP camera with Power over Ethernet support. It is a perfect choice for indoor environments such as shops, banks, hotels and other facilities. The excellent megapixel resolution allows important areas like entrances or receptions to be monitored in detail. With advanced features, EDS-341 supports selectable MPEG-4 / MJPEG compression and motion detection.

## Camera Specifications

### Camera

**Image Device:** 1/3" Micron Progressive Scan CMOS

**Effective Pixels:** 1280 x 1024

**Scene Illumination Color:**

Color mode automatically switched to B/W mode under 4 Lux

**B/W:** 0.05 Lux at F1.0 (2400 °K, 30IRE)

**IR Sensitivity:** from 700nm to 1100 nm

**CDS Sensor:** Built-in

**Lens:** f4.2 mm / F1.8

**Viewing Angle:** 75° (Horizontal)

**Camera Angle Adjustment:**

0° ~ 170° - X (Panning)

0° ~ 90° - Y (Tilting)

**Synchronization System:** Internal

**Day/Night Functions:** Built-in Mechanical IR Cut Filter

**Motion Detection:** Supported (3 Windows)

### Electronic Shutter:

1/5 ~ 1/2,000 sec. (60Hz)

1/5 ~ 1/2,000 sec. (50Hz)

### Flickerless:

1/120 sec. (60Hz);

1/100 sec. (50Hz)

**BLC:** Yes

**AGC:** Automatic (User definition)

**White Balance:** 6 modes

(AUTO, INDOOR1, INDOOR2, OUTDOOR1, OUTDOOR2, HOLD CURRENT, MANUAL) configurable

**S/N Ratio:** Better than 44 dB

## Video and Software Specifications

### Video

**Compression:** MPEG4/MJPEG selectable

### Image Size & Frame Rate:

SXGA (1280x1024) at 8fps  
HD720 (1280x720) at 10fps  
VGA (640x480) at 30fps  
QVGA (320 x 240) at 30fps  
QQVGA (160 x120) at 30fps

**Audio:** Two-way audio supported with 8kHz, Mono, PCM compression

### Software

#### Network Protocol:

TCP, UDP, IP, HTTP, DHCP, PPPoE, RTP, RTSP, FTP, SMTP, DNS, DDNS, NTP, QoS, ICMP, IGMP, ARP, 3GPP

**WAN:** Dynamic IP/Static IP

**SNTP/NTP:** Day & Time synchronize with SNTP/NTP server or manually define

#### Video:

Setting up: Streaming Method/Audio/Multicast IP/Multicast TTL/IGMP/Analog Video/Resolution/Bitrate/Frame Rate Mode/Frame Rate/Serial Port Baud Rate/Serial Port Control/RTSP Port/Video RTP over Multicast/Audio RTP over Multicast/Video Control Port/Video Streaming Port/Video Multicast Port

#### Video Adjust (per channel setting):

Motion detection setting  
Hug/Brightness/Saturation/Contrast adjust

**Security:** User authorization needed for protecting camera access

## Hardware Specifications

### Interface

#### RJ-45 Ports:

1 10/100Base-TX auto-negotiation speed,  
Full/Half duplex, auto MDI/MDI-X

#### Audio Connectors:

Unbalanced, 1.4 Vp-p, 1Vrms, terminal block connection

#### Terminal Block:

1 \* terminal block for power connection  
1 \* terminal block for audio connection

**Power Input:** VDC 12V or PoE (IEEE802.3af) with Class 3

#### Power Consumption:

3.3 W (DC 12 V)  
4.3 W (PoE)

**Dimensions:** 130 X 99 mm (5.12" x 3.90")

**Weight:** 350 g (0.7 lb)

**Installation:** Surface / Wall mount

### Environmental

**Operating Temp:** -10 to 50°C(14 to 122°F)

## Technology Specifications

### Standard:

IEEE 802.3 10Base-T Ethernet  
IEEE 802.3u 100Base-TX Fast Ethernet  
IEEE 802.3af Power over Ethernet

### Network Media:

10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m)  
100Base-TX: 2-pair UTP/STP Cat. 5/5e cable EIA/TIA-568 100-ohm (100m)

## Regulatory Approvals

**EMI:** FCC Part 15 Subpart B Class A (CISPR 22)

#### EMS:

IEC 6100-4-2, IEC 6100-4-3, IEC 6100-4-4  
IEC 6100-4-5, IEC 6100-4-6, IEC 6100-4-8  
IEC 6100-4-11

**Safety:** CE/EN55022 Class A, EN55024

**Environmental:** WEEE, RoHS

**Warranty:** 1 year