



EDS-143N
EDS-143P

Features

Extensive camera and video functions

- ✓ Built-in 1/3" Sony SuperHAD CCD
- ✓ Integrated with 3.8 to 9.5 mm F1.2 varifocal lens
- ✓ Supports day and night function with Mechanical IR Cut Filter
- ✓ Supports backlight compensation, auto iris control and auto white balance
- ✓ Supports 0 Lux (IR LED ON)
- ✓ Supports hybrid analog and Ethernet video output with 540 TV lines
- ✓ Supports video encode in MPEG4/MJPEG format with full frame rate (30/25 for NTSC/PAL)
- ✓ Supports video output in all type of resolutions (full D1/VGA/CIF/QCIF)
- ✓ 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 -20 to 40°C (-4 to 104°F)
- ✓ Robust aluminum case design with IP66 weatherproof protection



Overview

The EDS-143 is an Outdoor IP IR Bullet Camera with built-in PoE feature. It is integrated with 3.8 ~ 9.5 mm varifocal lens offer optimized performance in a variety of environments. With 540TV lines of resolution and built-in 1/3" Sony SuperHAD image sensor, EDS-143 target markets are those cost sensitive but demanding good quality images. With advanced features, the camera supports video encode in MPEG4/MJPEG format with full frame rate and has built-in motion detection.

Camera Specifications

Camera

Image Device: 1/3" Sony SuperHAD CCD

Effective Pixels:

811 x 508 (NTSC); 795 x 596 (PAL)

Horizontal Resolution: 540 TVL

Scene Illumination Color:

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

IR Sensitivity: from 700 nm to 1100 nm

IR LED: IR LED x15 (850 nm)

IR Working Distance: 20 to 30 M (30 IRE)

CDS Sensor: Built-in

Focal Length: f3.8 to 9.5 mm / F1.2

Viewing Angle: 74.2° to 30.0° (Horizontal)

Synchronization System: Internal

Motion Detection: Supported (3 Windows)

Electronic Shutter:

AES On: 1/60~1/100,000 sec. (NTSC); AES Off: 1/60 sec. (NTSC);

AES On: 1/50~1/100,000 sec. (PAL); AES Off: 1/50 sec. (PAL)

BLC: ON/OFF (switchable)

AGC: ON/OFF (switchable)

White Balance: AWB

Flickerless: Automatic

Auto Iris Control: DC Iris

S/N Ratio: Better than 50 dB

Video and Software Specifications

Video

Compression: MPEG4/MJPEG selectable

Image Size:

Full D1 (720X480 in NTSC,720X576 in PAL)

VGA (640X480 in NTSC,640X576 in PAL)

CIF (352X240 in NTSC,352X288 in PAL)

QCIF (176X120 in NTSC,176X144 in PAL)

Image Quality: Full D1/ VGA / CIF/ QCIF

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

Frame Rate:

30fps at 720X480 - NTSC

25fps at 720X576 - PAL

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

Hue/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

BNC Connectors:

1 * CVBS, 1.0Vp-p with 75 Ω loading Video Output

Audio Connectors:

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

LEDs: Power, System status

Terminal Block: 1 sets of terminal block for power connection

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

Power Consumption:

7.1 W (DC12V) with IR ON

8.4 W (PoE) with IR ON

Casing: Weatherproof casing with IP66 standard

Dimensions: 77 x 75.6 x 220 mm (3.03" x 2.98" x 8.66")

Weight: 685 g (1.51 lb), with sunshield

Installation: Wall Mount / Ceiling Mount

Environmental

Operating Temp: -20x to 40°C(-4 to 104°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

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