



EDS-741

Features

Extensive camera and video functions

- ✓ Built-in 1/3" micron progressive scan CMOS
- ✓ Integrated f3.3~12 mm / F1.6 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 -30 to 50°C (-22~122°F)
- ✓ Heavy-duty housing with weatherproof IP66 protection and vandal proof



Overview

The EDS-741 is an Megapixel IP Rugged Dome security camera with high performance vandal proof device. It features 1/3 Micron progressive scan megapixel CMOS with True Day Night via mechanical IR Cut filter. With advanced features, EDS-741 comes with selectable MPEG-4 and MPEG compressions and multi-stream with variable frame rate, features up to SXGA resolution at 8 fps, two way audio, hardware motion detection and digital I/O. EDS-741 applies Quality of Service technology to fully utilize the network bandwidth and supports automatic/manual frame rate control for concurrent video streams accessing at different network bandwidth. Its IP-66 weatherproof and waterproof protection makes EDS-741 an ideal choice for Industrial applications.

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 700 nm to 1100 nm

CDS Sensor: Built-in

Lens: 3.3 ~ 12 mm / F1.6

Viewing Angle: 89.8° ~ 23.9° (Horizontal)

Camera Angle Adjustment:

0° ~360° - X (Panning)

0° ~180° - Y (Tilting)

0° ~360° - Z (Rotating)

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

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

Alarm Input/Output: 1set TTL, terminal block

LEDs: Power, Fan, Heater

Terminal Block:

1 * terminal block for power connection
1 * terminal block for audio and DI/DO connection

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

Power Consumption:

4 W (DC 12 V) without Heater & Fan
13.2 W (DC 12 V) with Heater ON & Fan ON
4.4 W (PoE) without Heater & Fan

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)

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

Casing: Weatherproof casing with IP66 protection

Vandal-proof: Vandal-proof supports, durability up to 619.3 KgF

Heater & Fan: Built-in

Dimensions: 151.69 x 114.9 mm (6.0" x 4.5")

Weight: 1040 g

Installation: Surface / Flush / Wall mount

Environmental

Operating Temp: -30 to 50°C (-22 to 122°F) for DC 12 V
-5 ~ 50°C (7 ~ 122°F) for PoE

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