



EDS-661

Features

- Extensive camera and video functions
 - ✓ Built-in 1/4" EXviewHAD CCD
 - ✓ Integrated with 18x (f4.1 ~ 73.8mm / F1.4 ~ 3.0) optical zoom; 12x digital zoom lens
 - ✓ Supports horizontal resolution at 480 TV lines
 - ✓ Supports minimum illumination 0.005 Lux at F1.4
 - ✓ Supports day and night function with Mechanical IR Cut Filter
 - ✓ Supports backlight compensation, auto iris control and auto white balance
 - ✓ Supports video encode in MPEG-4 ASP format with full frame rate (30/25 for NTSC/PAL)
 - ✓ Supports video output in all type of resolutions (full D1/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, digital input/output
 - ✓ Supports network security via setting up multiple user access levels
 - ✓ Supports fail-over network protection & L3 QoS enabled video streaming
- Networking & industrial protocols
 - ✓ Provides 2 x 10/100 Mbps auto MDI/MDI-X Ethernet ports with RJ-45 connector
 - ✓ Supports various networking protocols: TCP, UDP, IP, HTTP, SMTP, FTP, DNS, DDNS, DHCP, PPPoE, RTP, RTSP, NTP, ICMP, IGMP, ARP
- Power & Housing
 - ✓ Support 24VAC power input
 - ✓ Supports operating temperature from -45 to 50°C (-49~122°F) with built-in heater and blower
 - ✓ Weatherproof casing with IP66 protection
 - ✓ Vandal-proof cover available (optional)



Overview

The EDS-661 is an Outdoor Speed Dome type IP Camera with built-in PTZ feature. It is integrated with 18x (f4.1 ~ 73.8mm / F1.4 ~ 3.0) optical zoom; 12x digital zoom lens offer optimized performance in a variety of environments. With 480TV lines of resolution and built-in 1/4" EXviewHAD image sensor and its extreme low light support capability, EDS-661 target markets are those cost sensitive but demanding good quality images. With advanced features, the camera supports video encode in MPEG-4 ASP format with full frame rate and has built-in motion detection.

Hardware Specifications

Interface

RJ-45 Ports: 2 10/100Base-TX auto-negotiation speed, Full/Half duplex, auto MDI/MDI-X (LAN/WAN)

BNC Connectors:

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

Audio Connectors:

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

Alarm Input/Output: 8, TTL, terminal block (optional)
1, TTL, terminal block (optional)

Power Input: VAC 24V

Power Consumption: 65 watts

Casing: Weatherproof casing with IP66 protection; optional vandal-proof cover

Dimensions: 172 mm x 302.5 mm (6.7" x 11.9");
190 mm x 302.5 mm (7.5" x 11.9") with sunshield

Weight: 5,800 g (12.9 lb)

Installation: Surface / Wall / Pole / Corner Mount

Environmental

Operating Temperature: -45 to 50°C (-49~122 °F)

Technical Specifications

Standard:

IEEE 802.3 10Base-T Ethernet
IEEE 802.3u 100Base-TX Fast 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

Camera Specifications

Camera

Image Device: 1/4" EXviewHAD CCD

Effective Pixels:

768 x 494 (NTSC); 752 x 582 (PAL)

Horizontal Resolution: 480 TVL

Min. Illumination Color: 0.1 Lux (F1.4, 1/4s(NTSC) or 1/3s (PAL)

Min. Illumination B&W: 0.005 Lux (F1.4, 1/4s (NTSC) or 1/3s (PAL), IR ON)

Lens: 18x zoom f=4.1 ~ 73.8 mm / F1.4 (Wide)~ 3.0(Tele)

Diagonal Angle: 48°(W)~2.8°(T)

Zoom Speed : 2.1 sec. (1x to 18x)

Digital Zoom: 1x ~ 12x variable

Synchronization System: Internal / Line Lock

Day & Night: Supported; with Mechanical IR Cut Filter

Motion Detection: Supported (3 Windows)

Electronic Shutter: 1/1 ~ 1/10,000 sec. (NTSC); 1/1 ~ 1/10,000 sec. (PAL)

Fixed Shutter: Yes

Auto Slow Shutter: Yes

BLC: ON / OFF

AGC: Auto / Manual

Auto Exposure Control: Auto / Manual / Exposure compensation

Exposure Compensation: -10.5~+10.5dB (15steps)

White Balance: Auto / Manual

Camera ID: Max. 20 characters

Number of Preset: 256 points

Auto Iris Control: Auto / Manual

Sequence Group: 8

Auto Pan (patrol): 4

Schedule: Yes

Privacy Mask: 24

Absolute Position: Yes

Cruise: Yes

S/N Ratio: Better than 50 dB (AGC off)

Pan/Tilt Manual Speed: 1° ~ 90° / sec.

Pan/Tilt Preset Speed: 5° ~ 400° / sec

Pan/Tilt Preset Accuracy: 0.225° / 0.45°

Pan/Tilt Travel Range: 360° endless / -10° ~ 100° (190° in Image Flip mode)

Video and Software Specifications

Video

Compression: MPEG-4 ASP compliant

Image Size:

Full D1 (720x480 in NTSC, 720x576 in PAL)

CIF (352x240 in NTSC, 352x288 in PAL)

QCIF (176x120 in NTSC, 176x144 in PAL)

Image Quality: Full D1/ CIF/ QCIF

Bit Rate: 28kbps ~ 3Mbps

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

Max. 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, ICMP, IGMP, ARP

WAN: Dynamic IP/Static IP/PPPoE

SNTP/NTP:

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

Video Settings (per channel setting):

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

Ordering Information

EDS-661N: 18X Outdoor Speed Dome Type IP Camera - NTSC

EDS-661P: 18X Outdoor Speed Dome Type IP Camera - PAL

Surface Mounting Kit

Wall Mounting Kit

Corner Mounting Kit

Pole Mounting Kit

Vandal-Proof Cover