

35X Outdoor Speed Dome Type IP Camera with (Wide Dynamic Range version)



EDS-663W

Features

- Extensive camera and video functions
 - ✓ Built-in 1/4" Progressive Scan CCD
 - ✓ Integrated with 35x (f3.4 ~ 119mm / F1.4 ~ 4.2) optical zoom; 12x digital zoom lens
 - ✓ Supports horizontal resolution at 540 TV lines
 - ✓ Supports minimum illumination 0.01 Lux at F1.4
 - ✓ Supports day and night function with Mechanical IR Cut Filter
 - ✓ Supports Wide Dynamic Range function
 - ✓ Built-in image stabilizing capability
 - ✓ 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-663W is an Outdoor Speed Dome type IP Camera with built-in PTZ and Wide Dynamic Range feature. It is integrated with 35x (f3.4 ~ 119mm / F1.4 ~ 4.2) optical zoom; 12x digital zoom lens offer optimized performance in a variety of environments especially to the bright light challenging conditions. With 540TV lines of resolution and built-in 1/4" Progressive Scan image sensor, EDS-663W target markets are high end surveillance requirement with demanding extreme 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 (with heater on)

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" Progressive Scan CCD

Effective Pixels:

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

Horizontal Resolution: 540 TVL

Min. Illumination Color: 0.05 Lux (F1.4, 1/60s(NTSC), 1/50s (PAL))

Min. Illumination B&W:

0.01 Lux (F1.4, 1/4s (NTSC) or 1/3s (PAL), IR ON)

Lens: 35x zoom f=3.4 ~ 119 mm / F1.4 (Wide)~ 4.2(Tele)

Diagonal Angle: 55.8°(W)~1.7°(T)

Zoom Speed : 4.6 sec. (1x to 35x)

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: 1/2 ~ 1/30,000 sec. (NTSC); 1/1.5 ~ 1/30,000 sec. (PAL)

Image Stabilizer: Yes

Fixed Shutter: Yes

Auto Slow Shutter: Yes

BLC: ON / OFF

AGC: Auto / Manual

Auto Exposure Control: Auto / Manual / IRIS OFFSET

Exposure Compensation: IRIS OFFSET (000 ~ 100 steps)

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: 8

Absolute Position: Yes

Wide Dynamic Range: 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: 28k ~ 3M bps

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-663WN: 35X Outdoor Speed Dome Type IP Camera (Wide Dynamic Range version) - NTSC

EDS-663WP: 35X Outdoor Speed Dome Type IP Camera (Wide Dynamic Range version) - PAL

Surface Mounting Kit

Wall Mounting Kit

Corner Mounting Kit

Pole Mounting Kit

Vandal-Proof Cover