Photon Series
Professional-Grade IP Surveillance Cameras

EnGenius Photon Series, of professional-grade IP Surveillance Cameras, offer superior, high definition image performance in deployments that need 24/7 monitoring. Retail businesses, corporate or school campuses, multi-tenant housing and luxury estates, are all more secure with a Photon Series IP Camera situated at strategic access points.

With built-in infrared (IR) lighting and motion detection, properties can be monitored day or night in low light or complete darkness. Remotely view cameras and receive email alerts and 10-second video clips directly to an iPhone®, iPad® or Android™ smartphone or tablet for global 24/7 surveillance with EnGenius' EnViewer™ mobile App.

Extend your camera network to maximize coverage virtually anywhere. Choose the Photon IP Camera or Wireless IP Surveillance System that best meets your surveillance needs, including indoors or outdoors with wired, and near or long-range wireless network access.

Features

> Wide angle CMOS lens captures high-res images over broader areas

> Mechanical IR cut filters & built-in IR illuminators for night viewing to 85-ft./25m

> High-speed wired & 802.11n wireless cameras for flexible deployments

> Power-over-Ethernet (802.11af) extends power to unwired areas

> H.264 Video provides up to 1920 x 1080 HD performance with less bandwidth

> Triple Codecs: H.264/MPEG-4 & MJPEG to 30 fps

> Dual-stream supports varying frame-rates & resolutions

> Includes 16-Channel VM Software with live monitoring

> Receive alarm alerts directly to your mobile device for rapid response

> Remotely view cameras from your mobile device with free EnViewer mobile App

> ONVIF-compliant for easy integration with 3rd party products

> Point-to-point & point-to-multipoint surveillance over large distances

> IP66-rated waterproof

Photon Series IP Surveillance Cameras are ideal for deployment in:

> Luxury Homes & Estates

> Small Businesses

> Small-to-Medium Corporate Campuses

> Transportation Hubs – Airports, Bus Depots, & Train Stations

> Schools, Colleges & Universities

> Stadiums & Arenas

> Multi-Tenant Dwellings

> Hotels & Resorts

> Warehouse Operations

> Military Bases

> Medical Centers

> Parks & Golf Courses

> Parking Structures

> Shopping Malls

Network Integration

Security concerns top the agenda of many organizations today leading to an increased presence of surveillance cameras in homes and businesses alike. As surveillance systems become an integral part of the network, the need to quickly integrate and monitor them along with existing networks becomes increasingly important. EnGenius Photon Series IP Cameras seamlessly integrates quickly and easily with EnGenius' complete line of wired and wireless networking solutions.
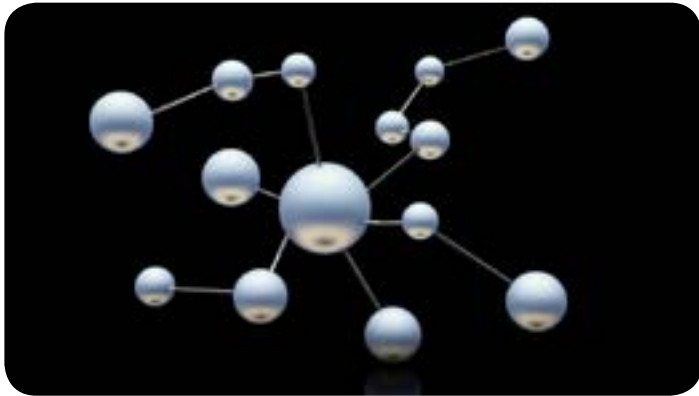
IP Cameras - Superior Surveillance Technology

Today's surveillance cameras are far superior to their older analog CCTV cousins, providing the highest quality digital images along with the highest frame rates for clearer faces, sharper details and smoother video. Also unlike their analog counterparts, IP cameras integrate easily into existing wired or wireless Ethernet networks and offer:

Simplified Installation –Plug-and-play configuration is standard for IP Cameras. Provide power, network connectivity and stream video over a single CAT5/6 cable or go wireless and simply plug the camera into an electrical outlet vs. the configuration time and multiple cables needed for a single analog camera installation.

Elimination of Unnecessary Hardware – Connect to existing network switches and store video footage directly to network connected computers or storage servers (NAS), eliminating the need for analog to digital conversion hardware such as video encoders and Digital Video Recorders (DVR).

Affordable Scalability – Add cameras as needed, with no limits associated to your DVR's camera connection capacity. Greater Functionality – Easily view IP camera feeds remotely via the Internet, receive automated alerts via email and integrate with feature-rich monitoring software for Intelligent Surveillance; features only previously available with expensive analog video encoder/DVR systems.

Open Platform – Utilizing a standards-based architecture ensures IP cameras and Video Management Software is interoperable with a wider range of network devices, including Windows-based PCs, as compared to proprietary Network Video Recorders (NVRs) and DVRs.

Improved Image Quality – On-camera digital processors optimize video, transmitting consistent, high-quality digital images without degradation, compared to lower quality analog CCTV video, which must be converted to digital by the

Wireless Cameras offer Affordability, Flexibility & Scalability in Deployment Scenarios

Choose an EnGenius Photon Series Wireless Camera for even greater flexibility in the most demanding deployments. Eliminate the need for expensive trenching or concrete cutting for CCTV cable-runs in outdoor perimeter camera placements, and cabling through walls, attics or floors. Wireless Cameras also offer a greater level of scalability and are easily added to an existing system with minimal planning.

Photon Wireless IP Cameras support fast wireless speeds up to 150 Mbps, providing high-speed performance, maximizing HD video transmissions.

Wireless IP Surveillance System

Not all surveillance challenges fit into a neat little box. Campuses, civic centers, shopping complexes, plus indoor and outdoor arenas can be crowded with buildings and other obstructions, and may be saturated with a spectrum of RF signals. EnGenius Wireless IP Surveillance System is designed to provide long-range, point-to-point and point-to-multipoint surveillance coverage for expansive venues, transmitting streaming video at stable, robust wireless speeds over great distances – up to 5 miles point-to-point in challenging environments.

Available in both Wireless N300 speeds, the 2.4 GHz IP Surveillance System (EDS8012 or EDS8022) or the 5 GHz IP Surveillance System (EDS8015 or EDS8025), is designed to withstand extreme environmental conditions and features certified IP-rated housing.

Highly Defined Resolution

All Photon Series IP Surveillance Cameras support the latest Progressive Scan CMOS sensor technology, providing crystal clear details in moving objects like car license plates or facial features making these important details less ambiguous. With High Definition quality video running 1080p at 30 frames per second, Photon IP Cameras provide superior quality and smooth video over analog CCTV with smaller file sizes, which is ideal for viewing video on mobile devices, sending via email and maximizing available storage space.


Optimize Images in Varied Lighting

With Wide Dynamic Range technology, select Photon Series IP Cameras can be fine-tuned to ensure an optimal level of configuration for customized lighting environments, providing clear images, even in highly backlit areas indoors and out.

Alarm Alerts

Intergrate IP camera with 3rd party digital alarms, sensors or other electronic devices that activate when motion detectors are triggered, serving as an added deterrent to prolonged suspicious activity.
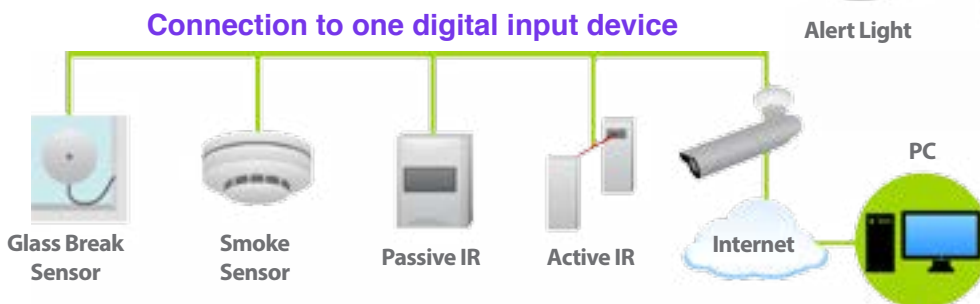
Excellent Performance in Harsh Environments

Need to deploy surveillance cameras in harsh environments? Select Photon IP Cameras include IP66-rated dust and waterproof housing designed to withstand harsh environmental conditions. With an included cable management bracket, each device is protected and accompanying cables are hidden from damage while offering a clean aesthetic.
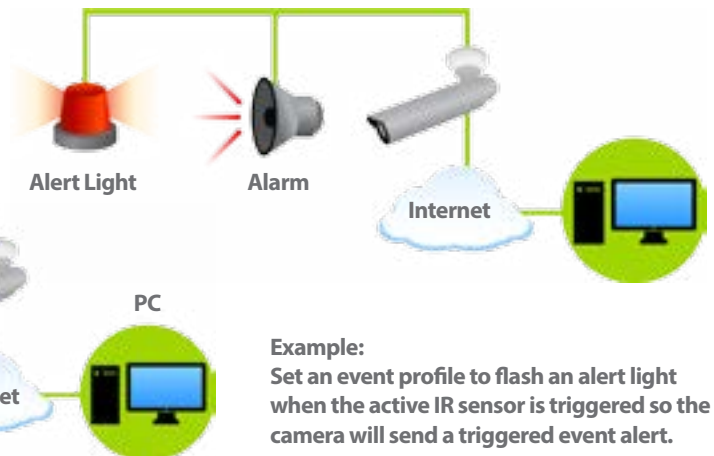

Place Almost Anywhere with PoE Support

Extend your camera network to maximize coverage virtually anywhere. Select the Photon IP Camera that best meets your surveillance needs including indoor, outdoor, wired or wireless network access. All cameras are 802.3af-compliant and can be powered via Power-over-Ethernet (PoE), eliminating the need for a nearby electrical outlet.

Connection to one digital output device

Alert Light   **Alarm**   **Internet**

PC

Example:
Set an event profile to flash an alert light when the active IR sensor is triggered so the camera will send a triggered event alert.

Connection to one digital input device

Glass Break Sensor   **Smoke Sensor**   **Passive IR**   **Active IR**   **Internet**

3

Push Notification

Remotely view and monitor up to four (4) cameras simultaneously from anywhere and instantly record video with EnGenius' EnViewer mobile App. View, record and receive triggered event alerts directly to your smartphone or tablet for instant notifications of events-in-progress with free downloadable App for Android and iOS.

24/7 Vigilance

Monitor your business during or after hours, even in low light or in complete darkness up to 85-feet, with EnGenius Day/Night IP Surveillance Cameras. Receive Motion and Audio Detection alerts (on select models) and recordings directly to your smartphone or iPad ensuring a quick response to suspicious activity.

Zone Coverage

Set precise zone coverage within designated areas to record activity or detect motion near entryways or around registers and loading docks within each camera's field of view. Customize sensitivity in each zone for greater control and even set Motion and Audio Detection Alerts to trigger a connected audible alarm (on select models).

16-Channel Video Management Software (VMS)

Unlike proprietary NVRs and DVRs that are expensive to purchase, maintain and upgrade, EnGenius' Video Management Software comes free with all Photon Series IP Surveillance Cameras, further enhancing the line's affordability and lower total cost of ownership.
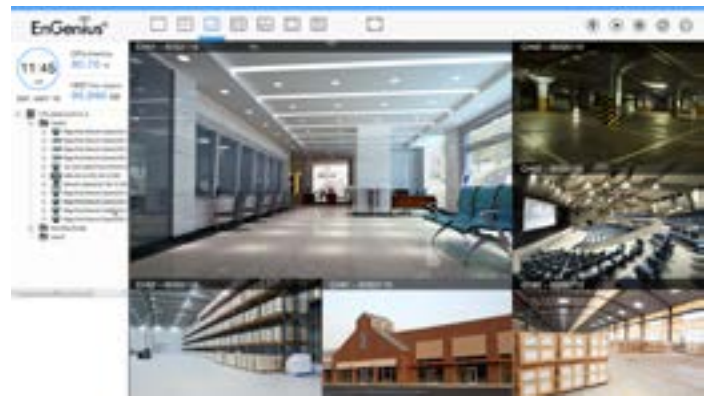
> Optional split-screen camera view

> Monitor up to 16 cameras simultaneously

> View live monitoring, record video and playback options

> Quick search of archived video via time bar

Enterprise Viewing Capacity

EnGenius VMS Software allows personnel to easily monitor the entire camera network, whether in a multi-building environment or at an entirely separate location. View feeds from up to 16 cameras concurrently, in real-time, and plan for future expansion to 32 or 64-channel capacities with future software upgrades, available via www.engeniustech.com.

Conduct basic configuration and initiate firmware upgrades right from your desktop and import your office building's floor plan to create a camera location map through eMap. Schedule recordings based on time or date, such as after hours or when shipments are due to arrive. Setup and configuration is streamlined with VMS' Discovery Tool, which quickly locates EnGenius IP Cameras.

> At-a-glance floor plan view

> Visible monitoring coverage for easy deployment

> Quick view - monitor on floor plan with the click of a mouse

Photon Series IP Surveillance Cameras

Models	EDS5250	EDS5110	EDS5255	EDS5115	EDS6255	EDS6115
Camera Type	Bullet	Bullet	Bullet	Bullet	Mini-Dome	Mini-Dome
Progressive Scan CMOS Image Sensor	1 /2.7" 2-Megapixel	1/4" 1-Megapixel	1 /2.7" 2-Megapixel	1/4" 1-Megapixel	1 /2.7" 2-Megapixel	1/4" 1-Megapixel
LAN Interface	Wired	Wired	Wired/Wireless 802.11b/g/n	Wired/Wireless 802.11b/g/n	Wired/Wireless 802.11b/g/n	Wired/Wireless 802.11b/g/n
Ethernet Ports	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps	1 x 10/100Mbps
Weatherproof	Yes (indoors/outdoors)	Yes (indoors/outdoors)	Yes (indoors/outdoors)	Yes (indoors/outdoors)	No (indoors only)	No (indoors only)
Night Vision	To 85-ft.	To 32-ft.	To 85-ft.	To 32-ft.	To 49-ft.	To 32-ft.
IR LEDs	12-pieces	12-pieces	12-pieces	12-pieces	12-pieces	12-pieces
HD Resolution	1920 x 1080P	1020 x 720P	1920 x 1080P	1020 x 720P	1920 x 1080P	1020 x 720P
Frame Rate	30 fps	30 fps	30 fps	30 fps	30 fps	30 fps
Motion Detection	✓	✓	✓	✓	✓	✓
Field of View (diagonal)	120-degrees	62-degrees	120-degrees	62-degrees	120-degrees	86.8-degrees
Wide Dynamic Range Technology	✓	✓	✓	✓	-	-
802.3af-PoE Compliant	✓	✓	✓	✓	✓	✓
On-board MicroSD	-	-	-	-	✓	✓
Built-in Microphone	-	-	-	-	✓	✓
Remote Access via EnViewer Mobile App	✓	✓	✓	✓	✓	✓
Email Notifications	✓	✓	✓	✓	✓	✓
Included VM Software	✓	✓	✓	✓	✓	✓

Technical Specifications IP Cameras

Type

EDS5110 / EDS5115 / EDS5250 / EDS5255 Bullet

EDS6115 / EDS6255 Mini-Dome

Image Sensor

EDS5110 / EDS5115 / ED6115

¼" 1-Megapixel Progressive Scan CMOS Image Sensor

EDS5250 / EDS5255 / EDS6255

1 /2.7" 2-Megapixel Progressive Scan CMOS Image Sensor

Lens

Fixed Board Lens

Fixed-Focus

EDS5110 / EDS5115 4 mm @ F1.5

EDS6115 3.3 mm @ F1.8

EDS5250 / EDS5255 / EDS6255 2.8 mm @ F1.8

F.O.V.

EDS5110 / EDS5115 62° (diagonal)

EDS6115 86.8° (diagonal)

EDS5250 / EDS5255 / EDS6255 120° (diagonal)

Day/Night

Removable Mechanical IR-Cut Filter

Minimum Illumination

EDS5110 / EDS5115

Color (IR-Off): 0.5 lux @ F1.5

B/W (IR-On): 0 lux @ F1.5

EDS6115

Color (IR-Off): 0.5 lux @ F1.8

B/W (IR-On): 0 lux @ F1.8

EDS5250 / EDS5255 / EDS6255

Color (IR-Off): 0.01 lux @ F1.8

B/W (IR-On): 0 lux @ F1.8

IR Illuminator

12 pc IR Illuminator LEDs, Effective up to 32ft/10m

EDS5110 / EDS5115 / ED6115

Up to 32-feet/10 meters

EDS5250 / EDS5255

Up to 85-feet/25 meters

EDS6255

Up to 49-feet/15 meters

Shutter Time

EDS5110 / EDS5115 / ED6115

1/7.5 sec. to 1/24,000 sec.

EDS5250 / EDS5255 / EDS6255

1/2.5 sec. to 1/10,000 sec.

Common Key Features

> Camera
  - Progressive Scan CMOS
  - Fixed-Focus Lens
  - Day/Night: Built-In Mechanical IR-Cut Filter

> Video
  - High-Definition 1080p at 30fps
  - Compression: H.264/MPEG/MJPEG
  - Simultaneous Dual-Stream Video
  - Image Settings: Adjustable Image Size, Quality, & Bit Rate Configurable Brightness, Sharpness, Contrast, Saturation, White Balance, & Exposure

> Network
  - 10/100 Mbps Ethernet
  - 802.11n Wireless

> Security
  - Wireless Password Protection
  - IP Address Filtering
  - User Access Log

> Alarm & Event/Recording
  - Alarm: Motion Detection
  - Event Actions: File Upload to FTP, SMB, SMTP, Mobile App., EnGenius Cloud Router
  - Notification: Email, Push Notifications (Mobile Apps Only)
  - Video Playback (PC/iPhone®/iPad®/Android™)
  - EnGenius Smart Recording (EnGenius Cloud Series Routers Only)
  - Mobile Apps Supported: iPhone®/iPad®/Android™ Devices

Physical Interface (All-In-One Cable)

EDS5110 / EDS5115 / EDS5250 / EDS5255

1 x Cable Management Bracket

1 x All-in-One Cable

   1 x RJ45 10/100 Base-T (802.3af PoE)

   1 x Reset Button (EDS5110 Only)

   1 x Alarm-In/Out (EDS5110 Only)

EDS5115 / EDS5255

   1 x DC Jack (12V/1A)

EDS6115 / EDS6255

1 x Micro SD/SDHC Slot/Reset Button

1 x Manual Pan/Tilt Lens Tool

1 x Manual Pan/Tilt Adjuster

1 x Built-In Microphone

1 x All-In-One Cable

   1 x RJ45 10/100 Base-T (802.3af PoE)

   1 x DC Jack (12V/1A)

   1 x Reboot/WPS/Reset Button

Power Input

Power Input: 12V/1A/PoE 48V

Video

Compression

H.264/MPEG4/MJPEG

Stream

2x Video Streams

Frame Rates

EDS5110 / EDS5115 / EDS6115

Up to 30 fps at 1280 x 720p

EDS5250 / EDS5255 / EDS6255

Up to 30 fps at 1920 x 1080p

Image Settings

Adjustable Image Size, Quality & Bit Rate

EDS5110 / EDS5115 / EDS5250 / EDS5255

WDR (Wide Dynamic Range) Technology

Configurable

Brightness

Sharpness

Contrast

White Balance

Saturation

Exposure

AGC/AWB/AES

Flip & Mirror

Time Stamp & Text Caption Overlay

Auto/Manual Day & Night Mode

EDS6115 / EDS6255

Audio

Audio Streaming

1-Way

Compression

G.711

Interface

Built-In Microphone

Networking

Network

10/100 Mbps Ethernet, RJ-45

Power-over-Ethernet (PoE 802.3af class 2)

EDS5115 / EDS6115 / EDS5255 / EDS6255

Wireless Standard

IEEE 802.11b/g/n

Antenna

EDS5115 / EDS5255 2 dBi High-Gain External Antenna

EDS6115 / EDS6255 3 dBi High-Gain Internal Antenna

EnGenius DDNS

Auto NAT Pass Through/ UPnP Traversal

Protocol

IPv4, TCP, UDP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, UPnP, NFS/Samba client, QoS/DSCP, RTP, RTSP, 3GPP, PPPoE

ONVIF Compatible (Profile S)

Security

Admin/User Account Level

Password Protection

EDS5115 / EDS6115 / EDS5255 / EDS6255

WEP/WPA/WPA2-PSK

Schedule Recording

Alarm & Event/Recording

Event Trigger

Motion/Alarm Input Detection

Event Notification

Email/Push Notification

Event Actions

File Upload to NFS/SAMBA/FTP/SMT, EnGenius Cloud & Play Audio

Video Playback (PC/iPhone®/Android™)

EnGenius Simple Smart Recording (Only for EnGenius Cloud Series Routers/Gateways)

Video Buffer

5-Seconds Pre-Alarm & Post-Alarm

Mobile Apps Supported

iPhone/iPad/Android Devices

Video Management Software

Viewing System Requirements

Operating System

Microsoft Windows XP/2000/2003/Vista/2007/2008

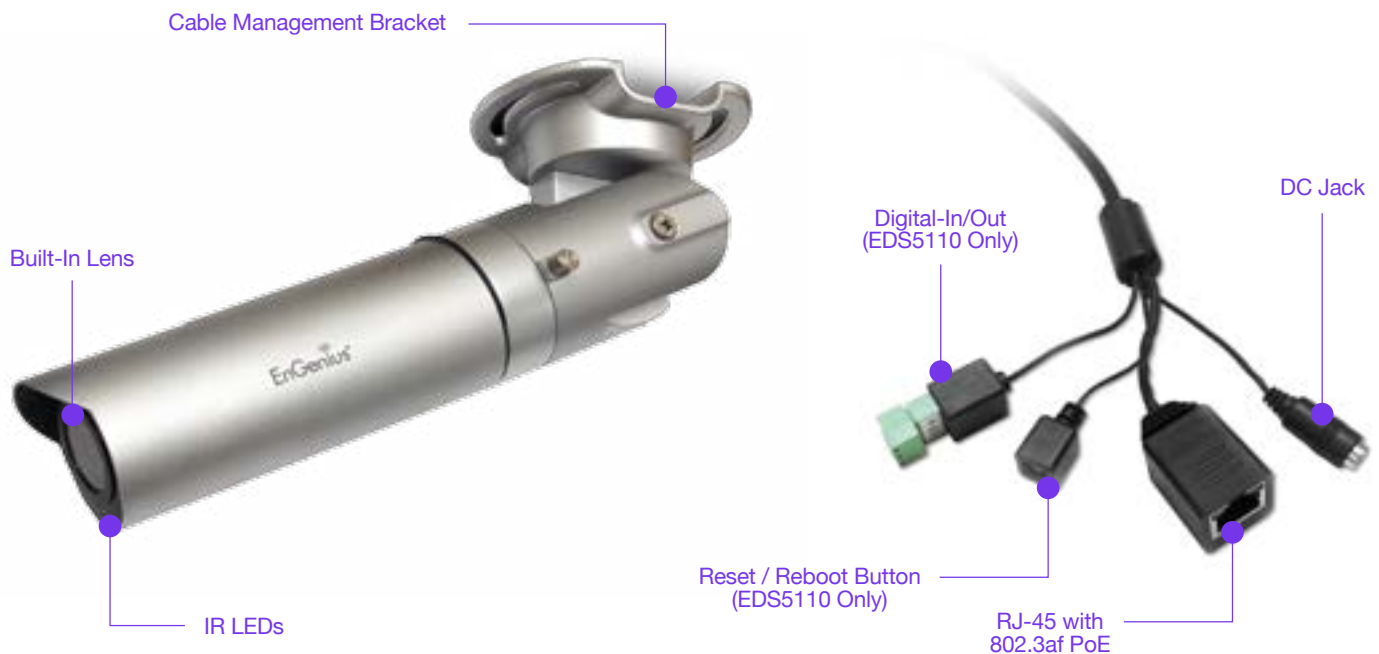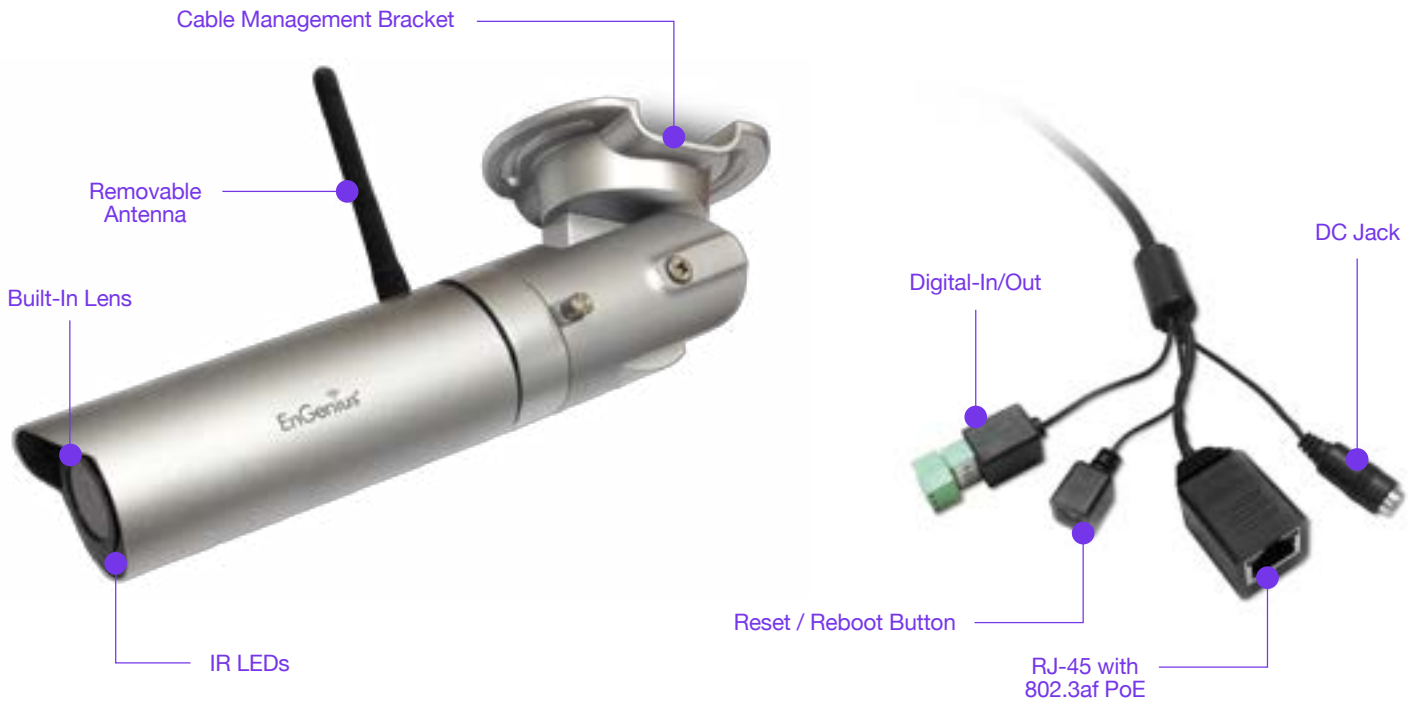### Web Browsers

IE, Safari, Chrome, Firefox, Opera

Technical Specifications IP Cameras continued

View Clients

Live Viewing For up to 5 Clients

Environmental & Physical

Temperature Range

EDS5110 / EDS5115 / EDS5250 / EDS5255

Operating: -4° F to 122° F (-20°C to 50° C)

Storage: -40º F to 140º F (-40º to 60º C)

EDS6115 / EDS6255

Operating: 32° F to 122° F (0°C to 50° C)

Storage: -4º F to 140º F (-20º to 60º C)

Humidity (non-condensing)

EDS5110 / EDS5115 / EDS5250 / EDS5255

Operating: 80% or less

EDS6115 / EDS6255

Operating: 80% or less

Waterproof

EDS5110 / EDS5115 / EDS5250 / EDS5255

IP66-Rated Enclosure

Dimensions & Weights

EDS5110 / EDS5115 / EDS5250 / EDS5255

Device with Bracket

Weight: .69 lbs. (312 g)

Length: 8.2" (208 mm)

Width: 2.5" (63 mm)

Height: 2.9" (73 mm)

EDS6115 / EDS6255

Weight: 0.50 lbs. (226 g)

Width: 2.57" (65 mm)

Length: 3.77" (95 mm)

Height: 2.57" (65 mm)

Packaging

EDS5110 / EDS5115 / EDS5250 / EDS5255

Weight: 1.74 lbs. (789 g)

Width: 5.7" (144 mm)

Length: 10.82" (274 mm)

Height: 4.72" (119 mm)

EDS6115 / EDS6255

Weight: 1.4 lbs. (65.3 g)

Width: 3.7" (93 mm)

Length: 10.3" (261 mm)

Height: 5.7" (144 mm)

Package Contents:

EDS5110 / EDS5115 / EDS5250 / EDS5255

Bullet IP Camera

Mounting Kit

RJ-45 Ethernet Cable (10/100 BASE-T 802.3af PoE)

Quick Installation Guide

QR Code Label

Terminal Block for Alarm Input/Output (EDS5110 Only)

Power Adapter

EDS5115

Detachable Antenna

EDS6115

1MP Wi-Fi Dome IP Camera

Mounting Kit

RJ-45 Ethernet Cable (10/100 Base-T 802.3af PoE)

Quick Installation Guide

QR Code Label

Power Adapter

CD with User Manual

Certifications

FCC, CE

Warranty

1 Year

EDS5110 / EDS5250 IR Bullet IP Camera

Cable Management Bracket

Built-In Lens

IR LEDs

Digital-In/Out (EDS5110 Only)

DC Jack

Reset / Reboot Button (EDS5110 Only)

RJ-45 with 802.3af PoE

EDS5115 Wi-Fi Bullet IP Camera

Cable Management Bracket

Removable Antenna

Built-In Lens

IR LEDs

Digital-In/Out

DC Jack

Reset / Reboot Button

RJ-45 with 802.3af PoE

EDS6115 Wi-Fi Mini Dome IP Camera

Manual Pan/Tilt Lens Tool

Built-In Lens

IR LEDs

Built-In Mic

Manual Pan/ Tilt Adjuster

Micro SDHC Slot/ Reset Button

WPS, Reboot, Reset

DC Jack

RJ-45 with 802.3af PoE

EnGenius Wireless IP Surveillance System

Models	EDS8012	EDS8015	EDS8022	EDS8025
Standards	802.11b/g/n	802.11a/n	802.11b/g/n	802.11a/n
Frequency	2.4 GHz	5 GHz	2.4 GHz	5 GHz
Data Rates	300 Mbps	300 Mbps	300 Mbps	300 Mbps
Radio Chains/Streams	2 x 2	2 x 2	2 x 2	2 x 2
RF Output Power	26 dBm	26 dBm	26 dBm	26 dBm
Ingress Protection (AP/Camera)	55/66	55/66	55/66	55/66
Fast Ethernet (10/100 Mbps)	✓	✓	✓	✓
Secondary Ethernet Port	✓	✓	✓	✓
Integrated Antennas	13 dBi	19 dBi	13 dBi	19 dBi
Camera	1 MP	1 MP	1 MP	1 MP
IR Illuminators	12 pcs	12 pcs	12 pcs	12 pcs
F.O.V.	60° (diagonal)	60° (diagonal)	120° (diagonal)	120° (diagonal)

Technical Specifications Long-Range Wireless Outdoor Access Point/Client Bridge

RF Frequency Band

EDS8012 / EDS8022 2.4 GHz

EDS8015 / EDS8025 5 GHz

Standard

EDS8012 / EDS8022 802.11b/g/n

EDS8015 / EDS8025 802.11a/n

Physical Interface

AP Device

2 x 10/100 BASE-T Ethernet Ports

1 x Port supports 24V Proprietary PoE Input

1 x Port Supports Extension of an Internet Signal

1 x Reset Button

LED Signal

1 x Power

1 x LAN 1

1 x LAN 2

1 x WLAN

Antenna

Internal High-Gain Directional Antenna

EDS8012 / EDS8022

2.4 GHz (P1)

- Average Antenna Gain: 13 dBi

- Polarization: Linear

- Azimuth Beam Width: 67°

- Elevation Beam-Width: 33°

- VSWR: 1:2.0

EDS8012 / EDS8022 continued

2.4 GHz (P2)

- Peak Antenna Gain: 13 dBi

- Polarization: Linear

- Horizontal Beam Width: 61°

- Elevation Beam-Width: 35°

- VSWR: 1:2.0

EDS8015 / EDS8025

5 GHz (P1)

- Average Antenna Gain: 19 dBi

- Polarization: Linear

- Azimuth Beam Width: 30°

- Elevation Beam-Width: 18°

- VSWR: 1:2.0

5 GHz (P2)

- Peak Antenna Gain: 19 dBi

- Polarization: Linear

- Horizontal Beam Width: 18°

- Elevation Beam-Width: 30°

- VSWR: 1:2.0

Operation Modes

Access Point

Client Bridge

WDS Bridge

Radio I

EDS8012 / EDS8022 11b/g/n: 2.412-2.472 GHz

EDS8015 / EDS8025 11a/n: 5.180-5.825 GHz

Data Rate

Up to 300 Mbps

Transmit Power

Up to 26 dBm

Up to 400 mW

Max Power is limited by regulatory power

Supported Radio Technologies

EDS8012 / EDS8022

802.11b: Direct-Sequence Spread-Spectrum (DSSS)

802.11n: Orthological Frequency-Division Multiplexing (OFDM)

802.11n: with 5/10/20/40 MHz Channel Width

802.11n: with 5/10/20 MHz Channel Width

802.11b/g: with 5/10/20 MHz Channel Width

EDS8015 / EDS8025

802.11a/n: Orthological Frequency-Division Multiplexing (OFDM)

802.11n with 5/10/20/40 MHz Channel Width

802.11a with 5/10/20 MHz Channel Width

802.11a/n: BPSK, QPSK, 16-QAM, 64-QAM

Supported Data Rates (Mbps)

EDS8012 / EDS8022

802.11b: 1, 2, 5.5, 11

802.11g: 6, 9, 12, 18, 36, 48, 54

802.11n: 6.5~300 (MCS0 to MCS15)

Technical Specifications Long-Range Wireless Outdoor Access Point/Client Bridge continued

Supported Data Rates (Mbps) continued

EDS8015 / EDS8025

802.11a: 6, 9, 12, 18, 36, 48, 54

802.11n: 6.5~300 (MCS0 to MCS15)

Power

Power Source (PoE Injector):

- 24V/.6A Proprietary Compliant Source

- Active Ethernet (Power-over-Ethernet, PoE)

Power Consumption

EDS8012 / EDS8022 7.2 W

EDS8015 / EDS8025 7 W

Management

Auto Channel Selection

- Settings Varies by Regulatory Domains

SSIDs

BSSID Supports Four (4) SSIDs

VLAN Tagging

Independent VLAN settings can be enabled/disabled

Any packet that enters the device without a VLAN tag will have a VLAN tag inserted via a PVID (Ethernet Port VID)

VLAN Pass-through over WDS Bridge

SNMP & MIB

v1/v2c/v3 Support

MIB I/II and Private MIB

QoS

Compliant with IEEE 802.11e Standard

Save Configurations as Default

Saves the customized configuration as the default value for different customer demands

Client Traffic Status

Reports various information in a timely manner as required by the administrator

Control Features

RADIUS Accounting

Helps operators to offload 3G to Wi-Fi seamlessly

CLI Comments Support

Settings Vary by Regulatory Domains

Distance Control (Ack Timeout)

Multicast Supported

Wi-Fi Scheduler

Sets the Schedule for rebooting the device

Security

WEP Encryption: 64/128/152 bit

WPA/WPA2 Enterprise (WPA-EAP using AES)

Hide SSID in Beacons

MAC Address Filtering (up to 50 addresses)

802.1x Authenticator

Security continued

Wireless STA (Client) Connection List

Reports various information in a timely manner as required by the administrator

Environmental & Physical

Operating Temperature: -4 °F to 140 °F (-20 °C to 60 °C)

Storage: -22 °F to 176 °F (-30 °C to 80 °C)

Humidity (non-condensing)

Operating: 90% or less

Storage: 90% or less

Waterproof

IP55-Rated Enclosure

Certifications

FCC, CE

Dimensions & Weights

AP/Client Bridge Device

Weight: 1.03 lbs. (0.47kg)

Depth: 7.4" (190mm)

Height: 1.5" (38mm)

Technical Specifications 1-MP and 2-MP Day/Night Bullet IP Surveillance Camera

Camera

Image Sensor

EDS8012 / EDS8015

1/4" 1-Megapixel Progressive Scan CMOS Image Sensor

EDS8022 / EDS8025

1/2.7" 2-Megapixel Progressive Scan CMOS Image Sensor

Lens

Fixed Board Lens

EDS8012 / EDS8015 Fixed-Focus, 4 mm @ F1.5

EDS8022 / EDS8025 Fixed-Focus, 2.8 mm @ F1.8

F.O.V.

EDS8012 / EDS8015 62° (diagonal)

EDS8022 / EDS8025 120° (diagonal)

Day/Night

Removable Mechanical IR-Cut Filter

Minimum Illumination

EDS8012 / EDS8015

Color (IR-Off): 0.5 lux @ F1.5

B/W (IR-On): 0 lux @ F1.5

EDS8022 / EDS8025

Color (IR-Off): 0.1 lux @ F1.8

B/W (IR-On): 0 lux @ F1.8

IR Illuminator

EDS8012 / EDS8015

12 pcs IR Illuminator LEDs, effective up to 32-ft./10m

EDS8022 / EDS8025

12 pcs IR Illuminator LEDs, effective up to 82-ft./25m

Shutter Time

EDS8012 / EDS8015

1/7.5 sec. to 1/24,000 sec.

EDS8022 / EDS8025

1/2.5 sec. to 1/10,000 sec.

Physical Interface (All-in-One Cable)

1 x Cable Management Bracket

1 x All-in-One Cable

1 x RJ45 10/100 Base-T (802.3af PoE)

1 x Reset Button

1 x Alarm-In/Out

1 x DC Jack (12V/1A)

Technical Specifications 1-MP Day/Night Bullet IP Surveillance Camera continued

Power Input

Power Input: 12V/1A/, PoE 48V

Video

Compression

H.264/MPEG4/MJPEG

Stream

2x Video Streams

Frame Rates

EDS8012 / EDS8015 Up to 30 fps at 1280 x 720

EDS8022 / EDS8025 Up to 30 fps at 1920 x 1080

Image Settings

Adjustable Image Size, Quality & Bit Rate

Configurable Brightness, Sharpness, Contrast, Saturation, Exposure

AGC/AWB/AES

Flip & Mirror

Time Stamp & Text Caption Overlay

Manual/Auto Day & Night Mode

WDR (Wide Dynamic Range) Technology

Networking

Network

10/100 Mbps Ethernet, RJ-45

Power-over-Ethernet (PoE 802.3af class 2)

EnGenius DDNS

Auto NAT Pass Through/UPnP Traversal

Protocol

IPv4, TCP, UDP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, UPnP, NFS/Samba client, QoS/DSCP, RTP, RTSP, 3GPP, PPPoE

ONVIF Compatible (Profile S)

Security

Admin/User Account Level

Alarm & Event/Recording

Event Trigger

Motion/Alarm-In Detection

Event Notification

Email/Push Notifications

Event Actions

File Upload to NFS/SAMBA/FTP/SMT, EnGenius Cloud & Play Audio

Video Playback (PC/iPhone®/Android™)

EnGenius Simple Smart Recording (Only for EnGenius Cloud Series Routers/Gateways)

Video Buffer

5-Seconds Pre-Alarm/Post-Alarm

Schedule Recording

Mobile Apps Supported

iPhone/iPad/Android Devices

Video Management Software

Viewing System Requirements

Operating System

Microsoft Windows XP/2000/2003/Vista/2007/2008

Web Browsers

IE, Safari, Chrome, Firefox, Opera

View Clients

Live Viewing For up to 5 Clients

Environmental & Physical

Temperature Range

Operating: -4° F to 122° F (-20℃ to 50° C)

Storage: -40° F to 140º F (-40º to 60º C)

Humidity (non-condensing)

Operating: 80% or less

Waterproof

 IP66-Rated Enclosure

Dimensions & Weights

IP Camera Device with Bracket

Weight: .69 lbs. (.312 kg)

Length: 8.2″ (210mm)

Width: 2.5″ (65mm)

Height: 2.9″ (75mm)

Package Contents:

• 1-Megapixel Bullet IP Camera

• 12V/1A Power Adapter

• Mounting Kit

• RJ-45 Ethernet Cable

• Outdoor AP/Bridge

• PoE Injector (EPE-1212) with Power Adapter (24V/.6A)

• Pole/Wall Mounting Kit

• Mounting Screw Set

• Quick Installation Guide

Certifications

FCC, CE

Warranty

1 Year
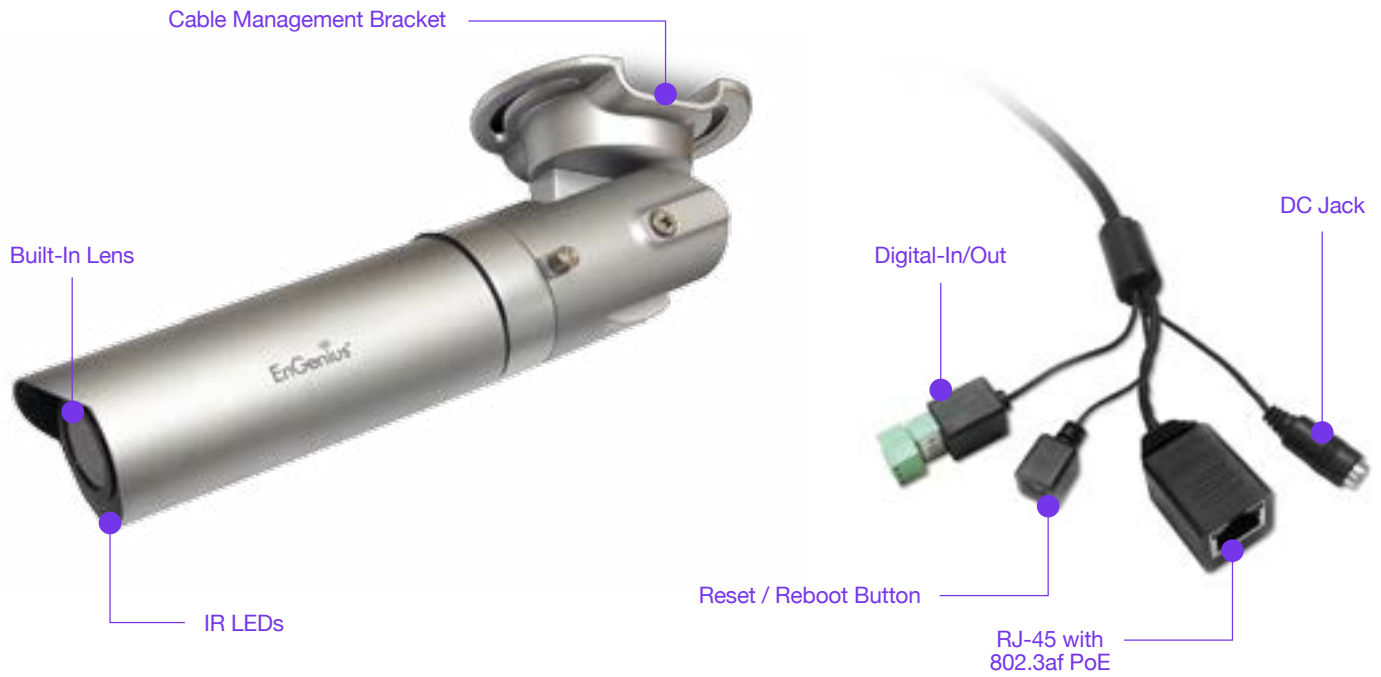
Compatible Products

Products	Product Description
EnStation2	Long-Range Wireless 2.4 GHz Outdoor AP/Bridge
EnStation5	Long-Range Wireless 5 GHz Outdoor AP/Bridge
EDS5110	1 MP Day/Night Bullet IP Surveillance Camera
EDS5250	2 MP Day/Night Bullet IP Surveillance Camera

Wireless IP Surveillance System

Outdoor AP/Bridge

UV Resistant Cover

360° 3D-Array Rotation

Sealing Nut

LED Indicators
(Power, Wireless and LAN Status)

Wall / Pole
Mounting Bracket

Port Cover

Bracket

Rotating Hinge

Sealing Nut

Lock Washer

Reset Button

PoE Port

Ethernet
& Data Port

Bullet IP Camera

Cable Management Bracket

Built-In Lens

IR LEDs

Digital-In/Out

DC Jack

Reset / Reboot Button

RJ-45 with
802.3af PoE