

# EnGuardian

The Personal Cloud Solution  
for Home & Business



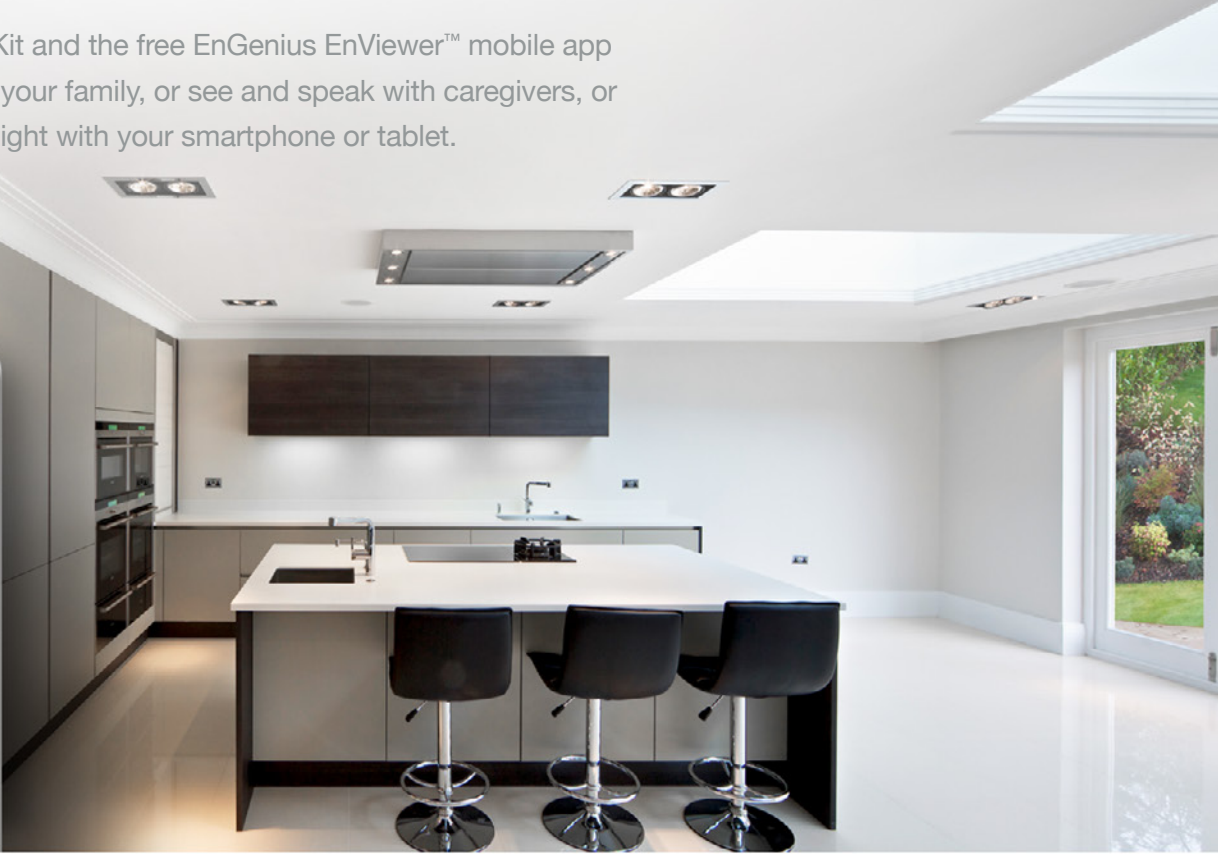
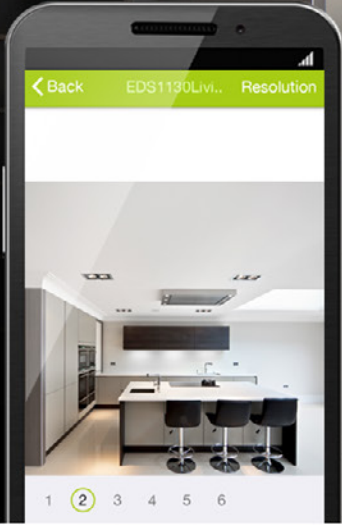
Introducing EnGuardian from **EnGenius** — The powerfully easy way to keep an eye on your home, your family, your pets or your business — so you have greater peace of mind.



Keep your home, family and business more secure

## Home Safer Home

Your EnGenius EnGuardian Kit and the free EnGenius EnViewer™ mobile app lets you monitor your home, your family, or see and speak with caregivers, or pets any time of the day or night with your smartphone or tablet.



## Minding Your Business

Your EnGenius EnGuardian solution is also at home in your business so you can see if your customers are being helped, your cash registers are secure, or if there's someone at the back door or loading dock when you're away.



1

Set up your IoT Gateway



2

Connect your IP Camera to your IoT Gateway



3

Download Free EnViewer Mobile App **and Go!**



Motion Detection where you need it. Detail when you want it.

## Definable Zone Control With Sensitivity

The EDS1130 Camera lets you set precise zones (like windows and doorways) within its field of view so that it will start recording any activity or motion within those designated areas. Each zone can be customized for sensitivity.



## Active Zoom

With the EnViewer app you can digitally zoom into any portion of the image or video that EnGuardian captures, up to 4x its original size.





## That's Alarming

Your EnGenius Camera includes an alarm that can be enabled via the free EnViewer app. Use EnViewer to activate your camera's alarm settings from your mobile device to a sound system connected to the camera. Out of town or at work? Set up Motion Detection and Audio Alerts to trigger the audible alarm.



## You've Been Notified

Something happening at your home, vacation home or business? Motion Detection and Audio Alerts are sent directly to your mobile device so you can respond accordingly.

# Schedule or Instantly Record & Archive Video

Record to your “Personal Cloud” — your own attached USB hard drive connected to the USB port on the EnGuardian’s EPG5000 IoT Gateway — where your recordings can be quickly retrieved and where you can keep them as long as you need them without incurring costly Internet storage subscription fees or take the risk that your videos could be hacked or compromised online.



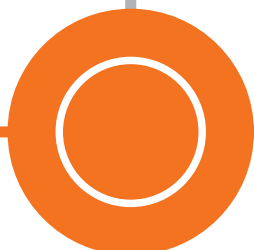
No Internet



A **32GB** microSD card can record **18 hours** at 30fps 720p



Camera



Gateway



Hard Drive

## Internet Got You Down? No Worries.

Unlike other home security cameras that rely solely on costly subscription-based cloud storage, the EDS1130 Camera can still archive video to your own connected USB Hard Drive even if your Internet connection goes down. You can relax now.

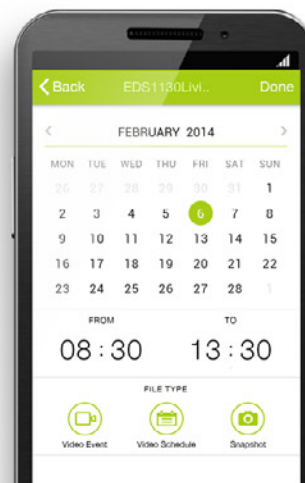
A **2TB** USB Hard Drive can record **45 Days** at 30fps 720p

All your videos at your fingertips



## Find Your Videos Quicker

Each archived video is device-identified (USB Hard Drive or SD card) and date and time stamped for quicker retrieval and playback taking the guesswork out of finding the specific video you're looking for. Also easily take snapshots at any point during live streams.



- ▶ Sort by Date
- ▶ Sort by Time

Up to **45 Days** of Video Recording  
with **No Cloud Storage Subscription Fee!**

Video storage capacity based on an attached 2 Terabyte  
Hard Drive connected to the EPG5000 IoT Gateway at  
**720p Full Frame Rate**

**45 Days**

**EnGuardian** using USB-attached storage

**1 Month**

**Other brands** using Internet-based recording



## Invite Others to View

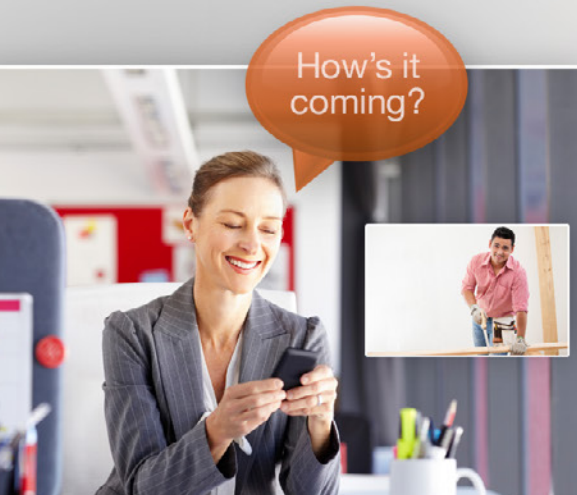
Share your videos or active camera monitoring so others in your family or friends can also see what's happening in or around your home — or other employees can be assigned to monitor your business.



## Two-Way Communication

With your EnGuardian solution you can use EnViewer and the Camera to see and speak with caregivers, contractors, colleagues, house sitters, petsitters, or employees in your small business.

Almost done here



How's it coming?





## Add More Cameras

Need to monitor other areas of your home or business? Your EnGuardian solution supports up to 4 EDS1130 HD720P Cameras from each EPG5000 IoT Gateway. Have a vacation home? With another EnGuardian Kit, you can keep an eye on that, too and all your EDS1130 Cameras whether at home, your vacation home or your office can be grouped together in sets of four in your EnViewer app.



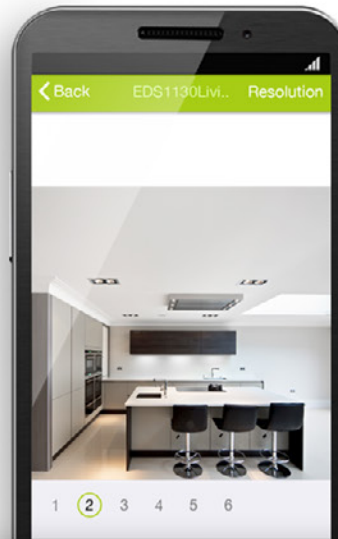
## Computer Viewing, Too

Monitor your home, vacation home or business from a Windows-based computer with the EnGenius VMS application that lets you see up to 16 camera views at the same time. Need to monitor other locations? Buy additional EnGuardian Kits and Cameras.



# More ways to view and manage from your devices

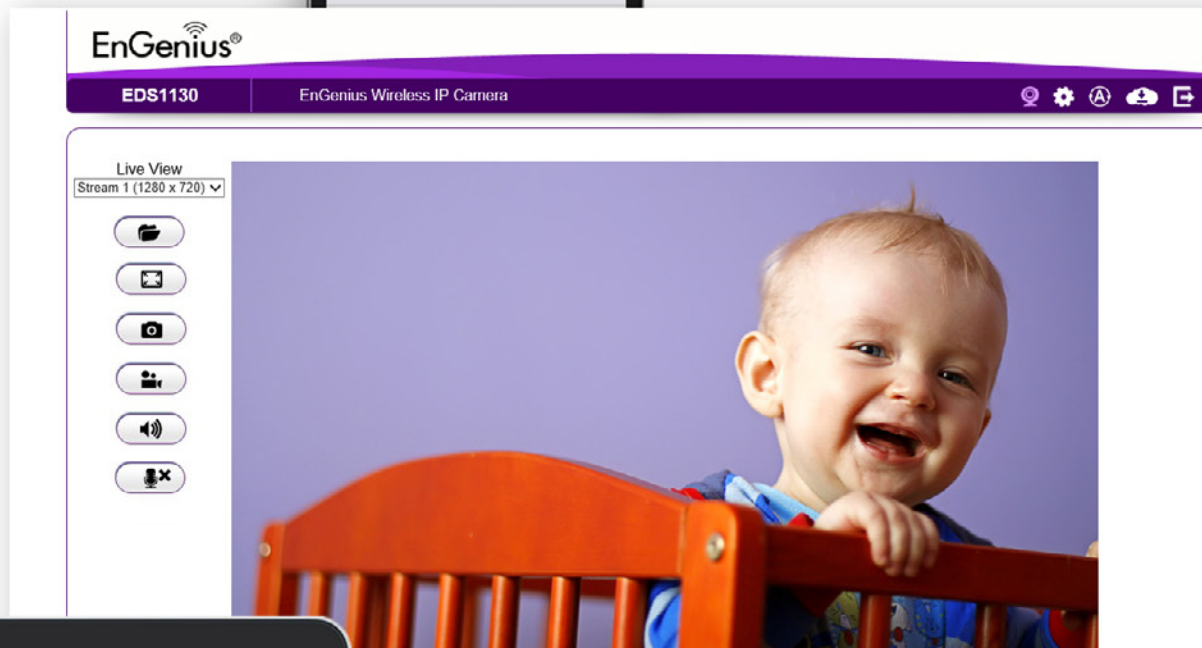
The EnGuardian Kit provides 3 different ways to view and record – live video, recorded video, and snapshots – from your smartphones or computers.



## EnViewer App



## User Interface



## EnGenius Professional VMS Software

# Crisp High-Definition Clarity – Day or Night

The HD720P EDS1130 IP Camera included in your EnGuardian Kit delivers a high-resolution video or still images 24/7 because details are important.



## High Definition for Better Detail



High Definition

Standard Definition

# EnGuardian

Solution Hardware



MicroSD Slot

Infrared Night Vision

Microphone

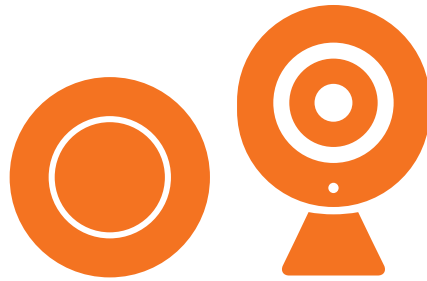


## The EnGuardian Kit includes

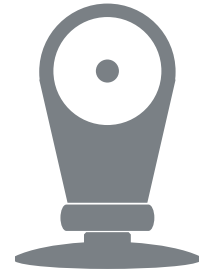
- One EPG5000 Dual-Band Wireless AC1750 Gigabit IoT Gateway with USB Port
- One HD720P Wireless IP Surveillance Camera
- Ethernet Cables for both the EPG5000 and EDS1130 Camera
- Quick Start Guides



# Comparison



## EnGuardian (EBK1000)



## Other Leading Camera

**Keep your home, family and business more secure**

More than just a camera - includes an EnGenius IoT Personal Cloud Gateway with Built-In 4-Port Gigabit Switch, Built-In Internet Firewall and attached USB Storage capability

Not available

**Out-of-the-Box Ready**

**Easier Setup** - No personal credit card information required to set up

Personal credit card information required for Internet storage account.

**Motion Detection where you need it. Detail when you want it.**

Zone Detection with Sensitivity Settings

Only Zone Detection (sensitivity settings not supported)

**Armed with Alerts & Alarms**

**Integrated alarm** in Camera and Audio Out for connecting to a loud speaker to signal intrusions

**No alarm capability.** Only supports alerts to a mobile device

**Recording & Saving Videos**

Record even when Internet is dropped

Not supported

Can record to an SD Card

Not supported

**No Monthly or Annual Internet Storage Fees**

Costly Internet Storage Fees Apply

More than 45 days of recording time (based on 2TB drive connected to IoT Cloud Gateway)

Up to 1 month of recording

**Smarter Archiving**

Labels videos by storage source, date and time

Not supported

**Add More Cameras**

More Cameras can be added - no additional subscription fees needed

Additional Internet Storage Subscription **Fees apply for each additional camera added**

**Camera Viewing Options**

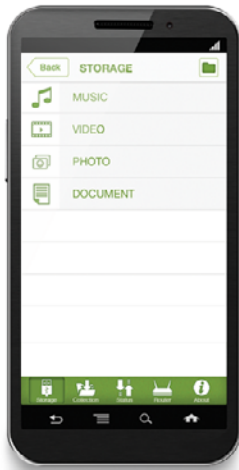
Up to 16 Cameras at a time with the free EnGenius VMS application

**Only 4 Cameras** viewable from a computer

# We've Got An App For That

But wait, there's more. To get even more out of your EnGuardian Kit, download the other free EnGenius mobile apps for you iPhone®, iPad® or Android™ smartphone or tablet and take even more control of your digital life. An EnGenius Personal Cloud IoT Solution, like EnGuardian, is designed to make your

family, your home or your small business more secure; the way you communicate effortless and less costly; your music, photos, video and documents safer and quicker to store and retrieve; and your day-to-day life more efficient — so you have even greater peace of mind.



Android



iOS (for iPhone and iPad)

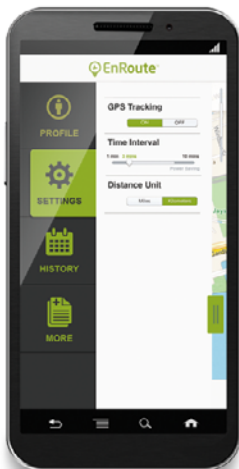
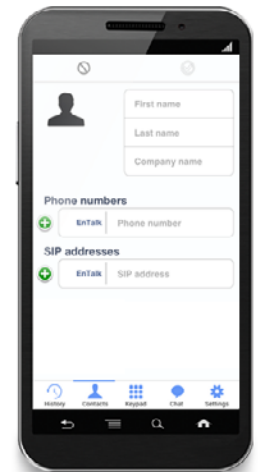


## EnShare™

EnShare lets you store and retrieve your music, photos, video and documents to and from an attached USB hard drive to your EnGenius Personal Cloud IoT Gateway (EPG5000) or Intelligent Router anywhere you go with an Internet connection. It also can instantly archive any photos you take with your iPhone, iPad or Android mobile device or whatever your EnGenius HD720P EDS1130 Wireless IP Camera captures. Access your files and media wherever you are while they're safe at home.

## EnTalk™ Lite

With EnTalk Lite you, your family or your small business colleagues can make low-cost long-distance and international calls to anyone in the world. Capable of supporting up to 10 SIP accounts, small business owners and their teams can make and receive calls over the Internet. It's also perfect for families who want to stay in touch but need to avoid the high cost of international calling. And it's ideal for frequent overseas travelers who want to minimize roaming charges from their current telco providers.



## EnRoute™

It's 10:00 PM. Do you know where your kids are? Is your spouse stuck in traffic? Need to round up your family during an emergency? Or need to find out where everyone is before the party starts? Did your employee meet the client? Is your catering team running late to the customer's house. Need to keep a record of where you ran to see if you're making progress with your workout? With EnRoute you can see where your family or your employees are when they're away from home or the office and you can store records of their routes by date and time in a USB hard drive connected to an EnGenius Personal Cloud IoT Gateway or Intelligent Router.

## Specifications - EDS1130 Camera



### Camera

#### Image Sensor

1/4" Megapixel Progressive Scan CMOS

#### Lens

Fixed-Focus Board Lens: 4mm @ F1.5

Shutter Time: 1/7.5 sec. to 1/24,000 sec.

#### Day/Night

Built-in mechanical IR-Cut filter

#### Minimum Illumination

Color (IR-off): 0.5 Lux @ F1.5

B/W (IR-on): 0 Lux @ F1.5

#### IR Illuminator

6x IR Illuminators, effective up to 16 feet / 5 meters

### Video

H.264/MPEG-4/MJPEG Compression

2 Simultaneous Video Streams

#### Frame Rates (Maximum)

H.264: Up to 30fps at 1280 x 720

MPEG-4: Up to 30fps at 1280 x 720

MJPEG: Up to 30 fps at 1280 x 720

#### Image Settings

Adjustable image size, quality and bit rate – CBR, VBR

Configurable brightness, sharpness, contrast, Saturation, white balance and exposure

AGC/AWB/AES

Flip & Mirror

Time Stamp and Text Caption Overlay

Manual/Auto Day & Night

### Audio

Two-way Audio Streaming

G.711A/G.711U/AAC Compression

Input / Output Gain Control

#### Interface

Built-in Microphone

External Audio Out

### Networking

#### Network

10/100 Mbps RJ-45 Ethernet Port

EnGenius DDNS

Built-in Wi-Fi IEEE802.11b/g/n (150 Mbps)

Auto NAT Pass Through / UPnP Traversal

Built-in high-sensitive internal wireless antenna

WPS Settings

#### Protocol

IPv4, TCP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, UPnP, RTP, RTSP, PPPoE, SMB

### Security

Password Protection

2-level account: Admin / Guest

Wireless Encryption: WEP, WPA, WPA2, WPS button

### Event Management

#### Event Detection

Motion Detection

Audio Detection

#### Event Actions

File upload to FTP, SMB, SMTP, Mobile App, EnGenius Cloud Router

#### Notification:

Email

Push Notifications (For Mobile Apps Only)

Video Playback (PC / iPhone / Android)

EnGenius Smart Recording (only for EnGenius Cloud series router)

#### Mobile Apps

Supports iPhone/ iPad / Android devices

### Environmental & Mechanical

#### Physical Interface

Local Storage: Micro SD/SDHC Slot

Power Input: 12V / 1A

Reset

WPS

Audio Out

Ethernet Port

#### Temperature Range

Operating: 32°F to 104°F / 0°C to 40°C

Storage: 14°F to 122°F / -10°C to 50 °C

#### Humidity (non-condensing)

5% - 95%

#### Weights & Measures (with Stand)

Width: 3.07" (77.96mm)

Depth: 3.18" (80.66mm)

Height: 4.82" (122.4mm)

Weight: 0.29 lbs (130g)

#### Warranty

1 Year

### Package Contents

EDS1130 (IP-Camera and Stand)

CD

12V/1A Power Adapter

QR Code Label

RJ-45 Ethernet Cable

Wall-Mount Screw Set

Quick Start Guide

## Specifications - EPG5000 IoT Gateway



### Standard

#### IEEE Standards

802.11a/b/g/n/ac

Up to 450 Mbps wireless speed on 2.4 GHz frequency band

Up to 1300 Mbps on 5 GHz frequency band

802.3i/u/ab

#### Device Interface

1x Gigabit WAN Port

4x Gigabit LAN Ports

1x USB 2.0 Port

1x Push Button for WPS

1x Reset

#### Power Specification

External Power Adapter

DC IN, 12V/2A

#### LED Indicator

Power

2.4 GHz

5 GHz

Internet

WPS

### Software Features

#### Operation Mode

Router/WDS

#### Wireless Features

Auto Channel Selection

Output Power Control

WMM (Wi-Fi Multimedia)

MSSID (Multiple SSID)

#### Security

WEP/WPA-PSK/WPA2-PSK

TKIP/AES

Hidden SSID

MAC Address Filtering

802.1X Authentication

DDoS

DHCP Server/Client

NAT

Port Forwarding

DMZ

Port Mapping/Triggering

VPN Server (PPTP/L2TP)

VPN Client (PPTP/L2TP)

VPN Pass-through (PPTP/L2TP/IPSec)

VPN Tunnel (Max. 5)

QoS

IP Filtering

Port Filtering

DDNS

IPv6 Pass-through

MAC Clone

Traffic Monitor

WAN Type: PPPoE/DHCP/Static IP

USB Features: SAMBA

### Environmental & Mechanical

#### Temperature Range

Operating: 32°F to 104°F, 0°C to 40°C

Storage: -4°F to 140°F, -20°C to 60°C

#### Humidity (non-condensing)

Operating: 90% or less (Non-Condensing)

Storage: 95% or less (Non-condensing)

#### Weights & Measures

Diameter: 6.36" (161.54 mm)

Height: 1.64" (41.66 mm)

Weight: 0.5 lbs

#### Certifications

FCC / CE / IC

#### Warranty

1 Year

### Package Contents

EPG5000 Dual Band AC1750 IoT Cloud Gateway

Power Adapter (12V/2A)

Quick Start Guide

RJ-45 Ethernet Cable

## EnGenius Technologies | 1580 Scenic Ave. Costa Mesa, CA 92626

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Version 2.0 - 12/31/14

Maximum data rates are based on IEEE 802.11 standards. Actual throughput and range may vary depending on distance between devices or traffic and bandwidth load in the network. Compliant with FCC - This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.