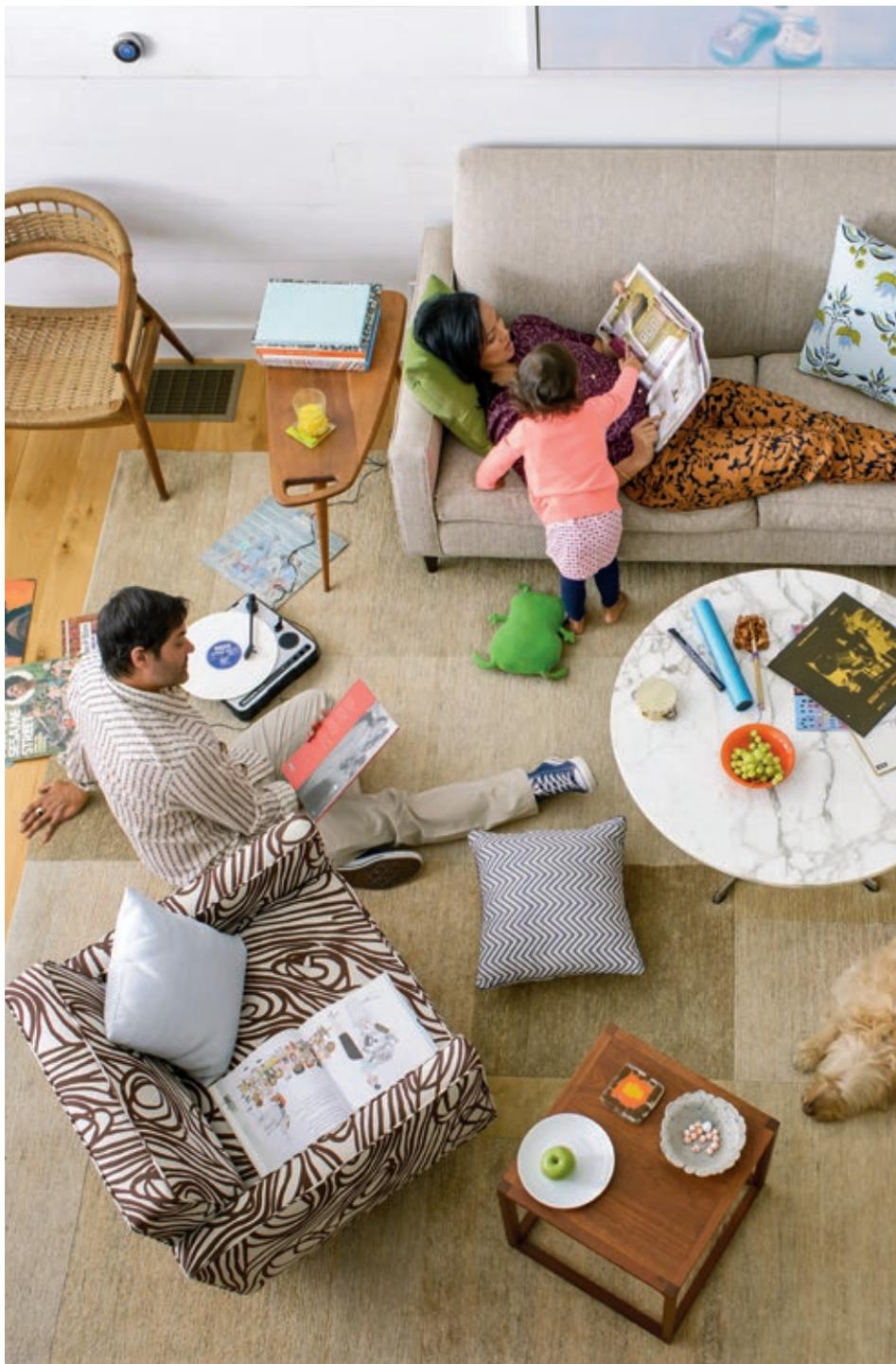


nest

Welcome to a more  
thoughtful home.





Your home keeps you safe.  
Warm. Comfortable.  
But what if it could do more?  
What if it knew you?  
And what you liked?  
Imagine if it could help you.  
If it could take care of  
things for you.  
Turn down the heat.  
Tell you if there's trouble.  
This is the kind of home  
we're creating.

A more thoughtful home.

# Nest Learning Thermostat

## Saving energy is a beautiful thing.

The Nest Thermostat programs itself and automatically helps save energy when you're away. And you can control it using your phone, tablet or laptop.



### No more programming.

Just turn it up and down. With Auto-Schedule, Nest learns from you and programs itself.



### Control it remotely.

Change the temperature from anywhere using your phone, tablet or laptop.



### Hello, Leaf.

Know you're saving energy. Look for the Nest Leaf when you change the temperature.



### Save while you're away.

Don't heat or cool an empty home. Auto-Away adjusts the temperature after you leave.



### Check your Energy History.

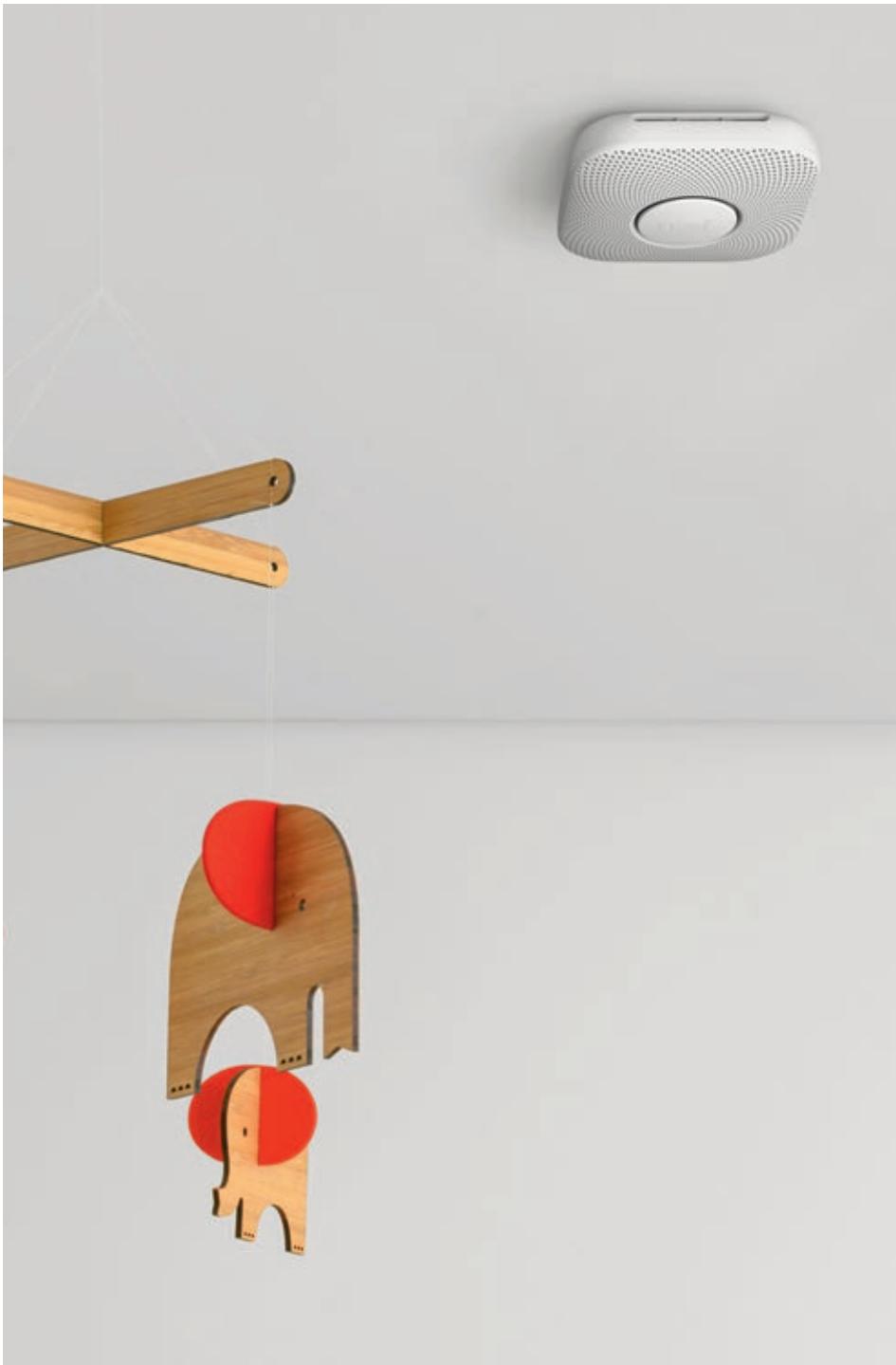
See how much energy you used and why. The more you know, the more you can save.



### One size doesn't fit all.

Tell Nest what system you have and System Match turns on specific features to balance comfort and savings.





# The new Nest Protect

## The smoke and CO alarm that thinks, speaks, and alerts your phone.

There's never been a smoke and CO alarm quite like this. Nest Protect looks for fast-burning fires, smoldering fires, and carbon monoxide. It also speaks up when there's a problem and will even message your phone in case you're not home.



### Get alerts on your phone.

Nest Protect sends you a message when there's a problem or the batteries run low.



### Every second counts.

The Split-Spectrum Sensor looks for both fast and slow burning fires.



### Tells you what and where.

Nest Protect speaks up if there's smoke or CO and tells you where it is, so you know what to do.



### Hush from the Nest app.

Just burned the popcorn? Quiet the false alarm with your phone, not your dish towel.



### Sees the CO you can't.

Carbon monoxide is an invisible, poisonous gas. Nest Protect tells you where it's hiding.



### 10-year life span.

Nest Protect's long-lasting sensors keep you safe and sound for up to a decade.

# The new Nest Cam

## See your home on your phone. Get alerts that matter.

Nest Cam helps you keep an eye on what matters to you. It looks for motion and listens for sound. And if something's up, it sends an alert to your phone.



### Easy 60-second setup.

Just plug it in, download the Nest app, and set it up from your Android or iOS device.



### See every detail.

Securely stream 1080p HD video to your phone, tablet or laptop.



### Get alerts on your phone.

Nest Cam tells you if there's motion or sound in your home while you're gone.



### Talk and listen.

Hear when the baby wakes up. Or tell your dog to get off the couch.



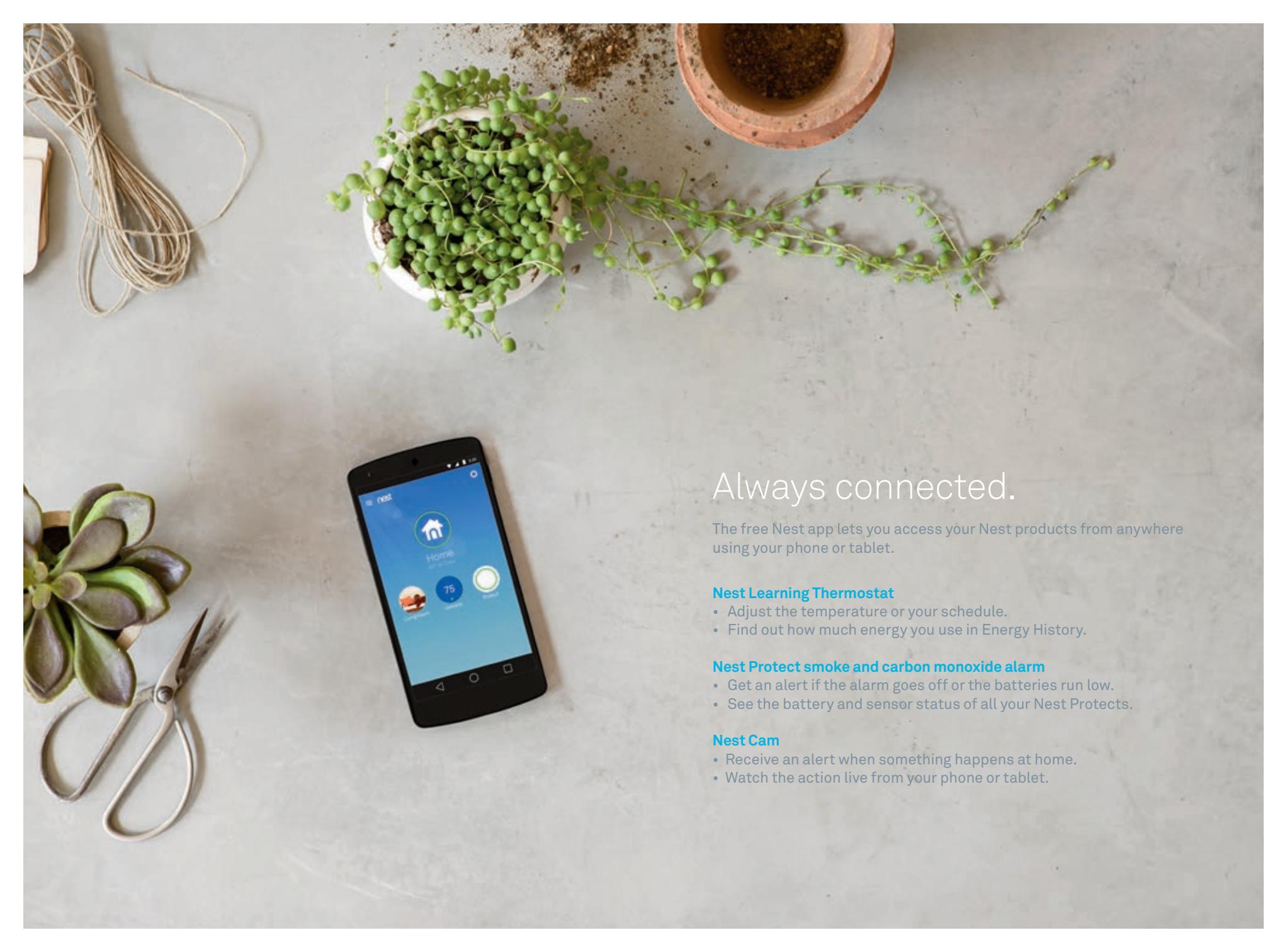
### No light? No problem.

Keep an eye on things around the clock. With Night Vision, you can see in the dark.



### Find out what you missed.

Continuously record up to 30 days of video in the cloud with a Nest Aware subscription.



## Always connected.

The free Nest app lets you access your Nest products from anywhere using your phone or tablet.

### **Nest Learning Thermostat**

- Adjust the temperature or your schedule.
- Find out how much energy you use in Energy History.

### **Nest Protect smoke and carbon monoxide alarm**

- Get an alert if the alarm goes off or the batteries run low.
- See the battery and sensor status of all your Nest Protects.

### **Nest Cam**

- Receive an alert when something happens at home.
- Watch the action live from your phone or tablet.

# The more you Nest, the better it gets.

When you add more Nest products to your home, they automatically work together. They also work with other things around the house, like lights, appliances and cars. Go to [nest.com/wwn](http://nest.com/wwn) to see what works with Nest.



## Nest Learning Thermostat



### Features

- Auto-Schedule
- Auto-Away
- Nest app
- Energy History
- Home Report
- Nest Leaf
- System Match: Early-On, Heat Pump Balance, True Radiant
- Airwave
- Time-to-Temperature
- Weather-aware
- Advanced Fan Control
- Sunblock
- Cool to Dry
- Thermostat Lock
- Software updates over Wi-Fi
- Safety Temperature Alert
- Filter Alert
- System Test
- Stainless steel ring

### Specs

#### Display

- 24-bit color LCD
- 320 x 320 pixel display
- 1.75-inch diameter

#### Sensors

- Temperature
- Humidity
- Near-field activity
- Far-field activity
- Ambient light

### Size and Weight

- Display
  - Mass: 7.6 oz (215 g)
  - Diameter: 3.27 in (8.3 cm)
  - Height: 1.10 in (2.8 cm)
- Base
  - Mass: 1.3 oz (37 g)
  - Diameter: 3.01 in (7.7 cm)
  - Height: 0.42 in (1.1 cm)
- Assembled
  - Mass: 8.9 oz (252 g)
  - Diameter: 3.27 in (8.3 cm)
  - Height: 1.26 in (3.2 cm)

### Connectivity requirements

- Wi-Fi connection
- Phone or tablet with iOS 8 or later, or Android 4 or later
- Free Nest account

### Languages

- English
- French
- Spanish
- Dutch

### Wireless

- Working Wi-Fi connection: 802.11 b/g/n @ 2.4GHz
- Wireless interconnect: 802.15.4b/g/n @ 2.4GHz

### Battery

- Built-in rechargeable lithium-ion battery

### Power consumption

- Less than 1kWh/month

### Warranty

- 2-year limited warranty. For help, visit [nest.com/support](http://nest.com/support). Our support team is also available by phone 24/7.

### In the box

- Display
- Base
- Optional trim kit
- Mounting screws and labels
- Nest screwdriver
- Installation Guide
- Welcome Guide

### Compatibility

- The Nest Learning Thermostat works with 95% of 24V heating and cooling systems, including gas, electric, forced air, heat pump, radiant, oil, hot water, solar and geothermal.
- Heating: 1, 2 and 3 stages (W1, W2, W3)
- Cooling: 1 and 2 stages (Y1, Y2)
- Heat pump: with auxiliary and emergency heat (O/B, AUX, E)
- Humidifier or dehumidifier (HUM, DEHUM)
- Fan (G)
- Power (C, RH, RC)

## The new Nest Protect



### Features

- Phone alerts include:
  - Low-battery
  - Smoke & Carbon monoxide
  - Sensor failure
- Split-Spectrum Sensor
- Voice alarms with custom location
- Nest App
- App Silence
- Detects carbon monoxide
- 10-year product lifetime
- Safety Checkup
- Heads-Up alerts
- Sound Check
- Self Test
- Nightly Promise
- Pathlight
- Steam Check
- Wireless Interconnect
- Safety History
- What To Do
- Home Report
- Emergency Shutoff with Nest Learning Thermostat
- Emergency clip record with Nest Cam

### Specs

#### Sensors

- Split-Spectrum Sensor
- 10 year electrochemical carbon monoxide sensor
- Heat sensor,  $\pm 1.8^{\circ}\text{F}$  ( $\pm 1^{\circ}\text{C}$ )
- Humidity sensor,  $\pm 3\%\text{RH}$
- Occupancy sensor, 120° field of view to 20 feet
- Ambient light sensor
- Omnidirectional microphone, 70dB SNR

#### Size and Weight

- Height: 5.3 in (13.5 cm)
- Width: 5.3 in (13.5 cm)
- Depth: 1.5 in (3.85 cm)
- Mass: **Nest Protect Battery** 13.9 oz (379 g)
- Nest Protect Wired** 13.2 oz (375 g)

#### Speaker loudness

- 80dB @ 3 feet (1 m) @ 1kHz

#### Horn

- 85dB SPL @ 10 feet (3 m)

#### Light ring

- RGB color ring with 6 LEDs

#### Languages

- Out of the box
  - US: English, Spanish
  - Canada: English, French
- Downloadable
  - English, French, Spanish, Dutch

#### Wireless

- Working Wi-Fi connection: 802.11 b/g/n @ 2.4GHz
- Wireless interconnect: 802.15.4b/g/n @ 2.4GHz
- Bluetooth Low Energy (BLE)

#### Batteries

- **Nest Protect Battery**
  - Six long-life batteries (Energizer® Ultimate Lithium "L91" AA)
- **Nest Protect Wired**
  - Three long-life backup batteries (Energizer® Ultimate Lithium "L91" AA)

#### Connectivity requirements

- Wi-Fi connection
- Phone or tablet with iOS 8 or later, or Android 4 or later
- Free Nest account

#### Operating

- The alarm should not be installed in locations where the normal ambient temperature is below 40°F (4°C) or exceeds 100°F (38°C).
- Humidity range: 20%RH to 80%RH (non condensing).

#### Warranty

- 2-year limited warranty. For help, visit [nest.com/support](http://nest.com/support). Our support team is also available by phone 24/7.

#### Certification

- Nest Protect has been tested to comply with safety standards UL 2034, UL 217 and NFPA-72 set out by UL and California State Fire Marshal.

#### In the box

- Nest Protect
- Batteries
- Backplate
- Four screws
- User's Guide
- Welcome Guide
- **Nest Protect Wired also includes:**
  - 120V AC connector
  - Three wire nuts

## The new Nest Cam



### Features

- Easy 60-second setup
- Full 1080p HD video
- Activity alerts
- Talk and Listen
- Night Vision
- Clear Zoom
- Nest app
- Software updates over Wi-Fi
- Available with Nest Aware (subscription sold separately)
  - Video History (10-day and 30-day available)
  - Clips and timelapses
  - Activity zones
  - Advanced motion sensing

### Specs

#### Camera

- 1/3", 3 megapixel sensor with millions of colors and 8x digital zoom

#### Video

- H.264 encoding, up to 1080p (1920 x 1080) at 30 frames/sec

#### Field of view

- 130° diagonal

#### Night Vision

- 8 high-power infrared LEDs (850nm) with IR cut filter

#### Audio and lights

- Speaker
- Microphone
- RGB LED

#### Size and Weight

- Assembled
  - Mass: 7.16 oz (203 g)
  - Height: 4.5 in (11.4 cm)
  - Width: 2.8 in (7.3 cm)
  - Depth: 2.8 in (7.3 cm)

#### Connectivity requirements

- Wi-Fi connection
- Phone or tablet with iOS 8 or later, or Android 4 or later
- Free Nest account

#### Operating temperature

- 32-104°F (0-40°C)

#### Languages

- English
- French
- Spanish
- Dutch

#### Wireless

- Working Wi-Fi connection: 802.11 b/g/n @ 2.4GHz, 5GHz
- Bluetooth Low Energy (BLE)

#### Power

- AC power adapter:
  - Input: 100-240VAC 0.2A
  - Output: 5VDC 2.0A
- Camera Input: 5VDC, 1.0A

#### Warranty

- 2-year limited warranty. For help, visit [nest.com/support](http://nest.com/support). Our support team is also available by phone 24/7.

### In the box

- Nest Cam indoor camera
- Stand
- 10-foot USB cable and power adapter
- Wall-mounting plate
- Nest screws
- Quick Start Guide
- Welcome Guide
- Window decal

### Bandwidth requirements

- At 720p, each camera requires an average of 200 kb/s of upload bandwidth and support for peak rates of 500 kb/s of upload bandwidth.
- At 1080p, each camera requires an average of 450 kb/s of upload bandwidth and support for peak rates of 1200 kb/s of upload bandwidth.
- If you subscribe to Nest Aware, your camera streams all video to the cloud for secure offsite storage. At 720p, this requires 60GB of upload bandwidth per month. At 1080p, this requires 140GB of upload bandwidth per month.

# Installation

## Nest Learning Thermostat

If you're comfortable changing a light fixture, you can install the Nest Thermostat yourself. Four out of five customers install it in 30 minutes or less. Or a trained Nest Pro can take care of it for you.

The Nest Thermostat works in 95% of homes with low-voltage systems. Go to [nest.com/works](http://nest.com/works) to see if it's compatible with your home.

## The new Nest Protect

Both Nest Protect (Battery) and Nest Protect (Wired 120V) take only minutes to install. If you have high ceilings or are low on time, a Nest Pro can help.

## The new Nest Cam

It's incredibly easy to install Nest Cam. Just plug it in, and set it up from the Nest app on your phone or tablet. You'll be streaming video and receiving alerts in no time.

