



EB8 Pro Ranger **4K** + Solar Panel 8W

4K
ULTRA HD

4G & Wi-Fi Smart Home Battery Camera Kit

The ultimate 4K ranger, built for the wildlife and wilderness

True to its name, the EB8 Pro Ranger is like a trusted scout watching over the wild. Whether deep in the forest or across open fields, it quietly captures every moment in stunning 4K details. Its smart dual connectivity keeps you connected, whether through Wi-Fi or roaming 4G, so you're always in the know no matter how deep you venture into the nature. Powered by advanced AOV technology with an included solar panel, it works tirelessly around the clock, guarding your property and revealing the secret lives of wildlife in their natural playground.



Key Features

EB8 Pro Ranger



4K Resolution



360° Panoramic View



Dual Connectivity with 4G and Wi-Fi 6



Always-On Video Mode 2.0



10,400 mAh Rechargeable Lithium Battery¹



Device GPS Location Viewing²



Wild Animal Detection³



940nm No-Glow Infrared LEDs



AI-Powered Human / Vehicle Shape Detection



Smart Tracking⁴



Two-Way Talk



Balanced Image Exposure with Smart Lights



Active Defense with Siren & Strobe Light



Weatherproof Design



Supports MicroSD Card (up to 512 GB) & EZVIZ CloudPlay Storage⁵

Solar Panel 8W



Eco-Friendly & Cost-Saving Solar Power Supply



High Light Absorption with Monocrystalline Silicon Cells



High Charging Efficiency (up to 8W)



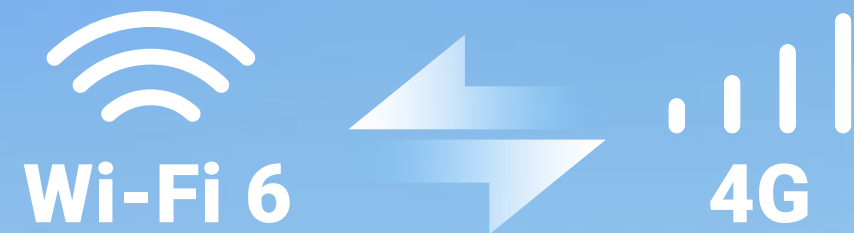
3-Meter Cable for Mounting Flexibility



Weatherproof Design

Designed for ultimate, outdoors like a pro

With a camo design that blends perfectly into the outdoors, this device keeps watch without drawing attention. Its smart dual connectivity—automatically switching between Wi-Fi and 4G—means you'll never lose touch, even in the most remote locations. Easy to set up and reliable in any environment, it gives you peace of mind and effortless monitoring wherever you need it.



Nano SIM Card

Note: To use 4G connectivity, a compatible Nano SIM card and an active cellular data plan are required.

Home Security



Orchard & Farm Protection



Livestock Monitoring



Fence Line Intrusion Detection

Wild Adventures



Wild Observation



Mountains Camping



Habitat Research & Monitoring



Eagle eye with 4K, sharp and boundless

Enjoy the authentic, lifelike images of wild animals from every angle using the EB8 Pro Ranger.
With stunning 4K resolution and a panoramic vision, wildlife monitoring becomes an immersive and inspiring experience like never before.



Stay alert to wild visitors for utmost peace of mind

Why you need wild animal detection?



Know before arrive, for wild lives that you wish you don't have to confront



Welcome or drive away those who enter by mistake while keeping the right distance



Record how they made the mess and how big was the damage



Quicky respond to those that invade before they cause any loss





EZVIZ's self-developed AI animal detection algorithm

It's always better to know immediately, no matter it's good or bad. Add EZVIZ's powerful AI capacity to your camera, so it recognizes a long list of common animals to keep you informed.



From strangers to cars, you'll know it first

The EB8 Pro Ranger helps you stay safe and in control by instantly alerting you whenever people or vehicles come near your property or campsite, so you always know what's happening, day or night.

-  Smart Human Motion Detection
-  AI-Powered Vehicle Shape Detection
-  Customizable Detection Zone
-  **FREE** No Subscription Fee



Follow every action for a complete activity

The EB8 Pro Ranger automatically locks onto and tracks moving person, capturing their entire path for a clear view of what's going on.

The game-changing technology for battery-powered protection

Unlike most battery cameras on the market, which have trouble detecting and recording videos due to short battery life and non-smart sensors, the camera is equipped with EZVIZ's groundbreaking AOV technology to enable all-day recording while ensuring a long standby time with a much greater detection distance.

[About the EZVIZ AOV Technology >](#)

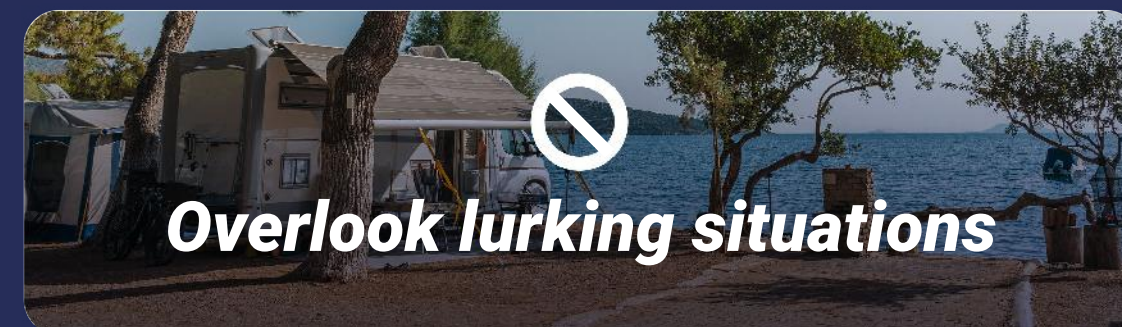
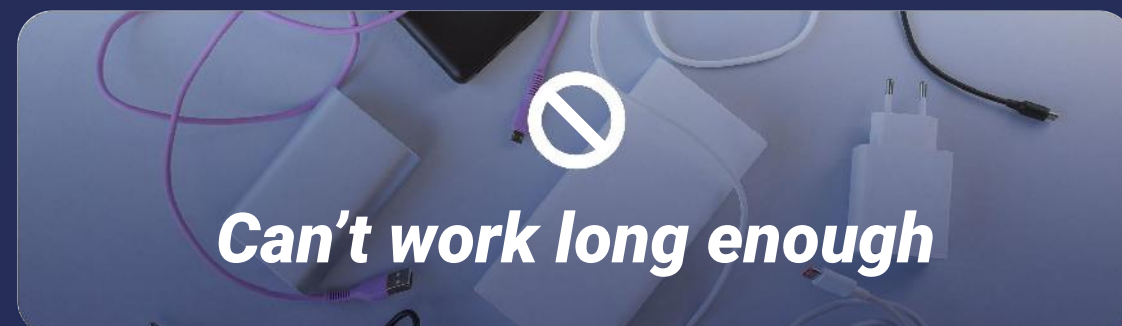


AOV

24/7 EZVIZ PROTECTION

VS



Most battery cameras in the market

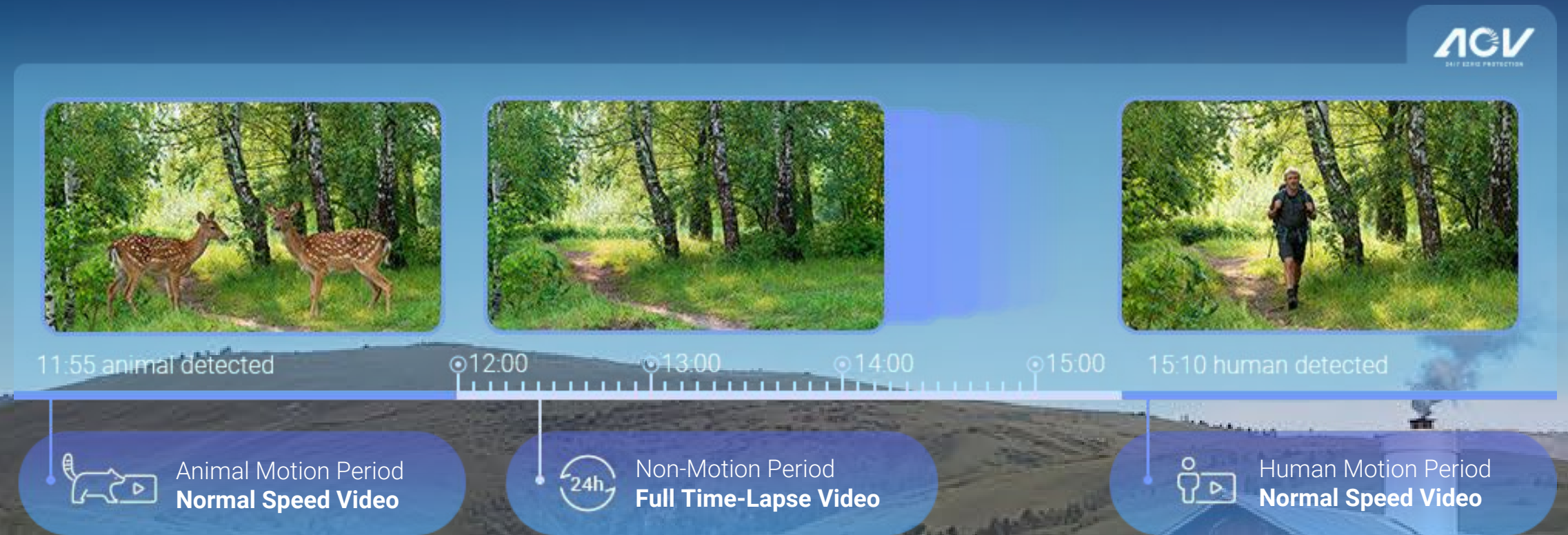


01 Always records, scenes or events

In AOV mode, the EB8 Pro Ranger takes photos at set intervals and turns them into a smooth time-lapse video⁶ that reveals changes throughout the day, even when nothing's happening. When it detects motion, it automatically switches to regular video to capture all the details. This means you get full-day coverage on a battery-powered camera without needing to plug it in.

Now upgraded to AOV 2.0

-  Down to 1-Second Ultra-Short Time Interval
-  Wiser Battery Consumption for All-Day Recording



02 Always protects, far or near

Unlike other battery cameras that heavily rely on PIR sensors to capture only nearby activities, this camera can detect an approaching person or vehicle at a much greater distance. If a person, vehicle, or animal appears, it will immediately notice that and inform you straight away.

The scene shows a farm with a red barn, hay bales, and a tractor. A blue detection zone extends from the camera (positioned on the barn) across the field. Two bears are shown within this zone. An EZVIZ notification bubble is present in the upper right, stating: "EZVIZ All Animal Detection Alarm (2025-05-13 10:52:22)".

ACV
24/7 EZVIZ PROTECTION
EZVIZ battery cameras with all-day recording

Standard
Other battery cameras only with PIR sensor

12-25 meters⁷ (range for ACV)
9 meters (range for Standard)

Solar-powered security that never takes a moment off

What you face now

Short battery runtime
which disrupts camera operation

Event-based recordings only
which misses important background

No continuous 24/7 recording
which is unable for full-time monitoring

What EZVIZ offers



10,400mAh Battery

Twice the power of typical battery cameras for more days of worry-free event recording



AOV Auto Mode

Optimizes time intervals to deliver up to 15 days¹ of all-day recording on a single charge



8W IP65 Solar Panel

Runs year-round on 2 hours⁸ of sunlight a day and built to handle diverse outdoor uses

See wildlife clearly, without disturbing the wild

The EB8 Pro Ranger helps you watch wildlife without being seen, thanks to its no-glow infrared LEDs that won't startle animals. Its large aperture brings in more light, delivering brighter sharper images—so you can enjoy clear views of nature, even after dark.

 F1.2 Large Aperture

 940nm No-Glow Infrared LEDs




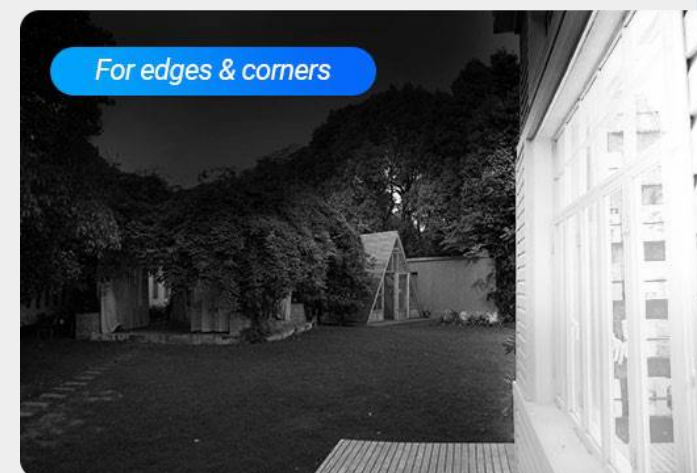
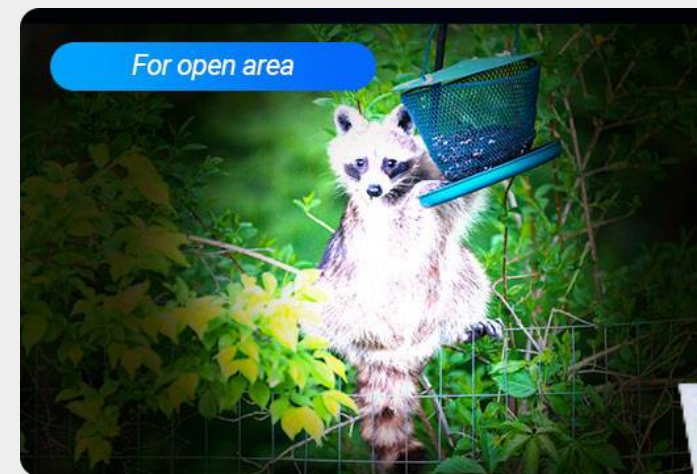
Black-and-White Mode

Capture every moment in perfect light

Wherever you place the EB8 Pro Ranger, it gently adapts to the light to deliver clear, well-balanced images. You can easily turn on “Balanced Image Exposure” anytime through the EZVIZ App, no matter which night vision mode you choose.

 **Smartly reduces brightness to avoid overexposure**

 **Automatically boosts image gain to see dark details**



Without adaptive smart light

VS



With adaptive smart light

Pinpoint your camera, one tap away

Whether it's deep in the forest, across a vast field, or tucked away in a remote campsite, you'll always know exactly where your camera is with the built-in GPS. This means no wasted time hunting for equipment, less hassle during maintenance, and more freedom to focus on capturing the moments and wildlife you care about most.

What you may face with a traditional outdoor camera

Be accidentally moved by animals or nature factors



Can't recall where the camera was last installed



Be illegally stolen or destroyed by poachers





Respond instantly with high-quality audio or pre-recorded mess



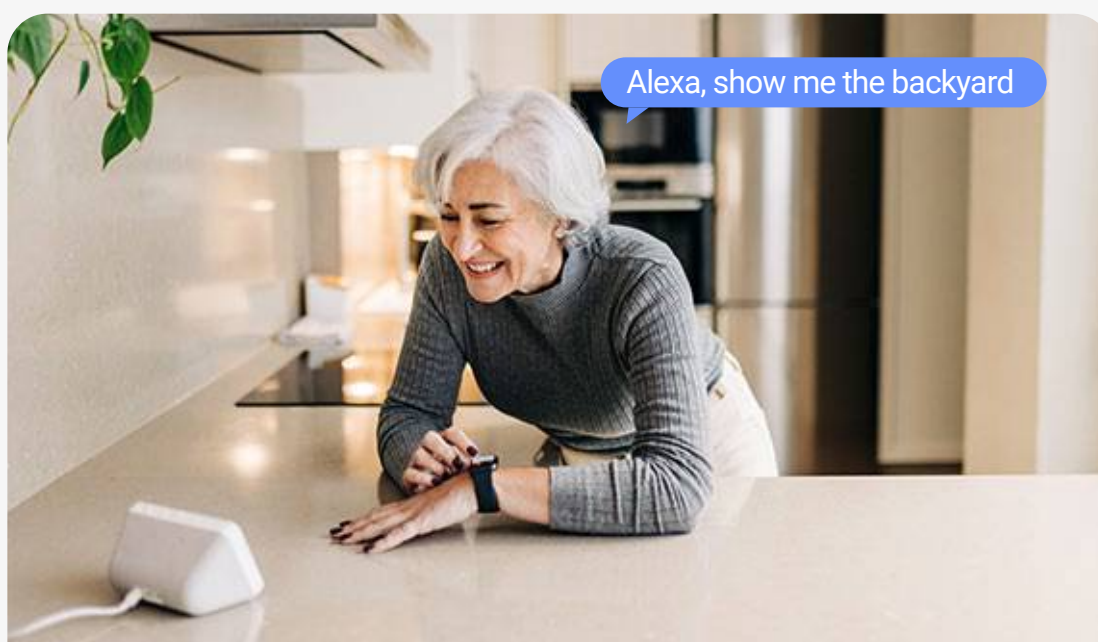
Trigger siren and light to actively warn and deter on the site.



Operate stably, rain or shine, with a durable weatherproof housing.



Save your videos on a local large storage card, or use EZVIZ CloudPlay.⁵



Integrate and enjoy hands-free control by saying "Alexa" or "Hey Google".⁹



Enjoy H.265 videos for smoother viewing experience and more efficient storage.¹⁰

- 1 Data comes from EZVIZ Lab's test under standard conditions and may vary due to environmental factors and the frequency of camera activities.
- 2 The GPS function is able to run properly only when the camera is installed in an open, outdoor environment. If you install the camera in an indoor space inside a building, the GPS may not function properly.
- 3 To use the wild animal detection feature, users need to pay for additional subscriptions stated on the EZVIZ App. The animal detection feature is currently capable of capturing the common shapes of up to 21 animal species, including horse, sheep, pig, goose, zebra, bird, elephant, bear, crocodile, leopard, camel, cattle, monkey, snake, hippopotamus, lion, tiger, kangaroo, raccoon, fox, deer, and wolf. Note that the function is available in certain countries, please confirm before purchasing.
- 4 The EB8 Pro Ranger camera only supports auto smart tracking on detected humans based on its AI-powered human shape algorithm.
- 5 The local storage card must be purchased separately. The cloud storage service is only available in certain markets. Please verify the availability before making a purchase.
- 6 To use this function, a compatible microSD card (sold separately) must be inserted into the camera.
- 7 When the AOV mode is enabled, according to EZVIZ Lab's test results under standard conditions, the camera is able to detect movements at a distance of up to 25 meters during the day, and up to 12 meters during the nighttime. Other tested battery models that use PIR-based detection usually have a detection distance of up to 9 meters. The actual detection range may differ due to environmental factors.
- 8 Data from EZVIZ Lab's test results, under the following standard condition: AM=1.5, 25°C, 1000W/m², SMQ. The data is obtained based on the camera set on AOV mode and with the AOV interval set as AUTO. The actual charging efficiency may vary depending on sunlight intensity and other environmental factors, while the actual hours of camera use may also differ due to the frequency of camera activities and other environmental factors.
- 9 Amazon Alexa and Google Assistant are not available in certain languages and countries.
- 10 Data from EZVIZ Lab's test results under standard conditions. The video compression efficiency will vary with the frequency and complexity of the activity captured, and other environmental factors.

Specifications

CS-EB8-R200-1M8W4GA-CF

Camera

Image Sensor	1/2.8" 8-Megapixel Progressive Scan CMOS Sensor
Minimum Illumination	0.01 Lux @(F1.2, AGC ON), 0 Lux with IR
Shutter Speed	Self-adaptive shutter
Lens	4mm@ F1.2 Diagonal angle: 104° Horizontal angle: 83° Vertical angle:44°
PT Angle	Pan: 340°, Tilt: 75°
Day & Night	IR-cut filter with auto switch
DNR	3D DNR
Night Vision	15 m

Video & Audio

Max Resolution	4K (3840 × 2160)
Frame Rate	15fps. Self-adaptive during network transmission
Video Compression	H.265 / H.264
Video Bit Rate	Ultra-HD; Full HD; Hi-Def; Adaptive bit rate
Audio Bit Rate	Self-adaptive
Max. Bitrate	4 Mbps

Function

Smart Alarm	AI-powered human shape detection AI-powered vehicle shape detection AI-powered wild animal detection
Two-Way Talk	Supports
General Function	Anti-Flicker, Heart Beat, Password Protection, Watermark

Network

Wi-Fi Standard	IEEE802.11b, 802.11g, 802.11n, 802.11ax
Frequency Range	2.4 GHz ~ 2.4835 GHz
Channel Bandwidth	Supports 20 MHz
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Transmission Rate	11b: 11Mbps, 11g: 54Mbps, 11n: 72Mbps, 11ax: 114Mbps
Wi-Fi Pairing	AP pairing
Protocol	EZVIZ Cloud Proprietary Protocol
Interface Protocol	EZVIZ Cloud Proprietary Protocol
Minimum Network Requirement	8 Mbps
4G LTE Frequency Bands	EU: LTE FDD: B1/B3/B5/B7/B8/B20/B28 LTE TDD: B38/B40/B41 LA: LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/B17/B28/B66 LTE TDD: B38/B40

Specifications

CS-EB8-R200-1M8W4GA-CF

Storage

Local Storage	Supports microSD card (max. 512 GB)
Cloud Storage	Supports EZVIZ CloudPlay storage (Subscription required)

General

Operating Conditions	-20 °C to 50 °C (-4 °F to 122 °F), Humidity 95% or less (non-condensing)
IP Grade	IP65
Power Supply	DC 5 V / 2 A (Adapter needs to be purchased separately)
Battery Capacity	10,400 mAh
Power Consumption	Max.10 W

Specifications

CS-PSP8-R100-3M

Performance Parameter

Power Voltage	5.4V±5%
Power Current	1.48A±5%
Open Circuit Voltage	6.8V±5%
Short Circuit Current	1.64A±5%
Max. Power	8W±5%
Interface	Type-C
Solar Cell Efficiency	≥ 22%
Operation Temperature	-20°C~60°C(-4°F~140°F) Humidity 90% or less (non-condensing)
IP Grade	IP65
Solar Cell Type	Monocrystalline solar cells
Power Cable Length	3 meters

General

Product Dimensions	Solar Panel: 267.3 × 186.5 × 17.5 mm (10.52 × 7.34 × 0.69 inch) Camera: 184 × 102 × 168mm (7.24 × 4.02 × 6.61 inch)
Product Dimensions	Camera: 282 × 194 × 70 mm (11.10 × 7.64 × 2.76 inch) Solar Panel + camera: 300 × 204 × 175 mm (11.81 × 8.03 × 6.89 inch)
Product Weight	Solar panel: 428 g (15.10 oz) Camera: 810 g (28.57 oz)
Weight with Package	Camera: 1332 g (46.99 oz) Solar panel + camera: 2131 g (75.18 oz)

In the box

- EB8 Pro Ranger Camera
- Solar Panel 8W
- Drilling Template
- Adjustable Mounting Bracket
- Clamp Band × 2
- Clamp Adapter Bracket
- Screw Kit × 2
- Power Cable
- Quick Installation Guide
- Regulatory Information × 3
- Quick Start Guide

Certifications

CE / REACH / WEEE / RoHS

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