EZVIZ HB90 Dual Kit

Dual-lens battery-powered Wi-Fi camera kit with solar panel · Specification summary



Manufacturer model code	CS-HB90/SP-R100(4MP+4MP)
Image Sensor	1/3" 4-Megapixel Progressive Scan CMOS Sensor
Shutter Speed	Self-adaptive shutter
Lens	Top Lens: 2.8mm @ F1.2, Field of view: Diagonal 110°, Horizontal 96°, Vertical 54°; Bottom Lens: 6mm @ F1.2, Field of view: Diagonal 60°, Horizontal 52°, Vertical 28°
PT Angle	Top Lens: Pan: 220°, Tilt: 10°; Bottom Lens: Pan: 324°, Tilt: 90°
Minimum Illumination	0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Day & Night	IR-cut filter with auto switch
DNR	3D DNR
Night Vision Distance	35 m
Max. Resolution	2K+ (2560 × 1440)
Frame Rate	Max. 15fps; Self-Adaptive during network transmission
Video Compression	H.265 / H.264
Video Bit Rate	Quad HD; HD; Standard; Adaptive bit rate
Audio Bit Rate	Self-adaptive
Max. Bitrate	2 Mbps (Total)
Bluetooth	Supports
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	WPA-PSK / WPA2-PSK, WPA3-Personal
Transmission Rate	11b: 11Mbps,11g: 54Mbps,11n: 72Mbps, 11ax: 114Mbps
Wi-Fi Pairing	AP pairing
Minimum Network Requirement	4 Mbps
Smart Alarm	AI-Powered Human Shape Detection; AI-Powered Vehicle Shape Detection
Auto Tracking	Supports

Customized Alert Area	Supports
Two-Way Talk	Supports
General Function	Anti-Flicker, Dual-Stream, Heart Beat, Password Protection, Watermark
Local Storage	Supports microSD card (max. 512 GB)
Cloud Storage	Supports EZVIZ CloudPlay storage (Subscription required)
Operating Conditions	-20°C to 50°C (-4°F to 122 °F), humidity 95% or less (non-condensing)
Battery Capacity	10,400 mAh
IP Grade	IP65
Power Supply	DC 5 V / 2 A (Adapter needs to be purchased separately)
Power Consumption	Max. 10 W
Solar panel model code	CS-PSP8-R100-3M
Solar panel: Power Voltage	5.4 V ± 5%
Solar panel: Power Current	1.48 A ± 5%
Solar panel: Open Circuit Voltage	6.8 V ± 5%
Solar panel: Short Circuit Current	1.64 A ± 5%
Solar panel: Max. Power	8 W ± 5%
Solar panel: Interface	Type-C
Solar panel: Operating Conditions	-20 °C to 60 °C (-4 °F to 140 °F), Humidity 90% or less (non-condensing)
Solar panel: IP Grade	IP65
Solar panel: Solar Cell Type	Monocrystalline solar cells
Solar panel: Power Cable Length	3 meter
Product Dimensions	HB90 Dual: 135 × 136.5 × 229.5 mm (5.31 × 5.374 × 9.04 inch) Solar Panel 8W: 267.3 × 186.5 × 17.5 mm (10.45 × 7.49 × 0.61 inch)
Packaging Dimensions	300 × 204 × 175 mm (11.81 × 8.03 × 6.89 inch)
Net Weight	HB90 Dual: 890 g (31.39 oz) Solar Panel 8W: 428 g (15.09 oz)
Weight (with package)	1930 g (68.08 oz)
In the box	HB90 Dual Camera; Solar Panel 8W; Drilling Template; Adjustable Mounting Bracket; Screw Kit × 2; Power Cable; Regulatory Information × 3; Quick Start Guide × 2
Certifications	CE / REACH / WEEE / RoHS

Specifications are summarised from the manufacturer's published information (checked 2026-11-02). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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