



EZVIZ EP7

· Specification summary

Device class	Video doorphone and video intercom system
Manufacturer configuration	CS-EP7 in the cited edition. Confirm the complete kit and radio region before ordering.
System arrangement	An outdoor video doorphone communicates wirelessly with an indoor touch screen. Gate or door control still requires wiring, and the indoor screen needs a wired connection to a power outlet.
Outdoor image sensor	1/2.7-inch progressive-scan CMOS, with low-light sensitivity described for the outdoor unit.
Outdoor lens	2.0 mm at F2.2, with a 162° diagonal viewing angle. This is separate from the indoor screen specification.
Outdoor image resolution	2048 × 1296, described as 2K in the matching table.
Outdoor frame rate	Up to 15 fps, self-adaptive during network transmission.
Outdoor image processing	2D / 3D DNR is listed for the outdoor doorphone.
Video compression	H.265 / H.264 is listed. Actual bandwidth and storage depend on settings and scene activity.
Outdoor IR components	Two 850 nm infrared lights with an automatically switching IR-cut filter. Confirm required night coverage separately.
Gate interface	A dry-contact gate connection is listed separately from the electric-strike circuit. Confirm the controller, exact manual, circuit ratings and cable before choosing equipment.
Electric-strike interface	The manufacturer specifies a mechanical-memory requirement for the ordered strike or lock. Confirm exact electrical limits, external power and wiring against the actual manual.
Access methods	RFID badge unlock, password unlock, app remote unlock and indoor-display unlock are listed. Confirm credential format, actual firmware and the selected lock.
Keypad reference	A 0-9 keypad supports five sets of 6-10 digit access passwords in the cited configuration. Configure credentials securely for the actual installation.
Outdoor audio	A built-in microphone and speaker are listed for the outdoor unit.
Outdoor connections	Separate two-port connections are listed for the gate, electric strike and solar panel. This is not a wiring instruction or a power-output approval.
Inter-device wireless link	IEEE 802.11ah Wi-Fi HaLow with AP pairing is listed for the outdoor-to-indoor link. Confirm the actual regional hardware, local radio requirements and coverage separately.
Viewing and talk functions	Live view, playback, two way talk and video calls are listed for the indoor display. Confirm account, app, network and firmware.
Indoor touch screen	7-inch touch screen with 1024 × 600 panel resolution. This is separate from the outdoor camera resolution.
Indoor audio	A built-in microphone and speaker are listed for the indoor display.

Indoor local storage	The indoor display supports a microSD card up to 512 GB. Confirm the actual card, package and firmware separately.
Optional cloud storage	EZVIZ CloudPlay is optional and available only in certain markets. Verify service availability, account and subscription terms before purchase.
Indoor wireless standard	IEEE 802.11b/g/n/ac is listed for the indoor monitor.
Indoor wireless bands	2.4–2.4835 GHz and 5.15–5.25 GHz dual-band Wi-Fi are listed for the indoor monitor. These are separate from its HaLow inter-device link.
Indoor channel bandwidth	20 MHz is listed for the indoor Wi-Fi connection.
Protocol reference	EZVIZ Cloud proprietary protocol is listed. Other ecosystems and third-party compatibility need exact-version evidence.
Ringtone scope	Ringtone customization applies to the indoor display. The outdoor doorbell has one fixed default ringtone.
Indoor ringtone choices	Up to 20 ringtone choices are listed for the indoor display only.
Outdoor operating conditions	-20 to 60 °C, humidity 95% or less, non-condensing, for the outdoor doorphone.
Outdoor protection	IP65 with the shield cover, for the outdoor unit. Confirm seals, joints and mounting conditions; the screen must remain indoors.
Outdoor power arrangement	A detachable rechargeable lithium battery and the compatible EZVIZ doorbell solar panel are described for the outdoor unit. Charging and runtime depend on the actual battery, activity and exposure.
Outdoor dimensions	175 × 86 × 34 mm in the listed source order. Allow separate cable, shield and mounting clearance.
Indoor operating conditions	-10 to 45 °C, humidity 95% or less, non-condensing, for the indoor display.
Indoor dimensions	180 × 111 × 15 mm in the listed source order.
Indoor supply reference	12–24 V DC / 1 A is listed, with a 12 V / 1 A monitor adapter described in this manufacturer package. Confirm the actual local adapter and plug separately.
Indoor power-consumption row	8 W and a maximum 24 W are printed. The 8 W figure is not labelled as a guaranteed typical consumption.
Solar charging limitation	The solar panel is a supplementary source for the outdoor doorphone, not its only guaranteed source of power. The indoor screen requires outlet power.
Solar panel power reference	The panel maximum power is listed as 1.2 W. Sunlight, orientation, obstruction and door activity affect charging; this is not a continuous-runtime promise.
Solar panel environment	-20 to 50 °C and IP65 are listed for the solar panel, not the indoor screen.
Solar panel dimensions	126 × 59 × 44 mm in the listed source order.
Combined weight reference	675 g net weight in total, with 1865 g including the package. These are not individual monitor or solar-panel weights.
Manufacturer package reference	The page lists monitor, wall bracket, monitor adapter, shielded intercom panel, templates, screwdriver, three name cards, three badges, two screw kits, pin, wires/connectors, panel battery, battery USB cable, power connector cable, solar panel, regulatory information and guide. Confirm the actual unit of sale, regional plug and supplied accessories.

Specifications are summarised from the manufacturer's published information (checked 2026-10-21). 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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