Solar-powered Security Camera

S420



Features

- 4MP ultra high definition resolution and F1.6 large aperture, improving image quality.
- AOV mode, a detection range surpassing traditional PIR sensors, 24/7 protection for your home
- Supports multiple detection functions including human body detection, vehicle detection, providing comprehensive protection for your yard.
- Supports sound and light alarms, deterring intruders in your yard with audio and visual warnings.
- Supports network configuration via Bluetooth, simple and fast network setup.
- Integrated solar panel, built-in 10,000mAh rechargeable lithium battery, low-power operation in AOV mode, eliminating battery anxiety.
- With the Youkey Life app, you can check on your home anytime, anywhere, easy and convenient.

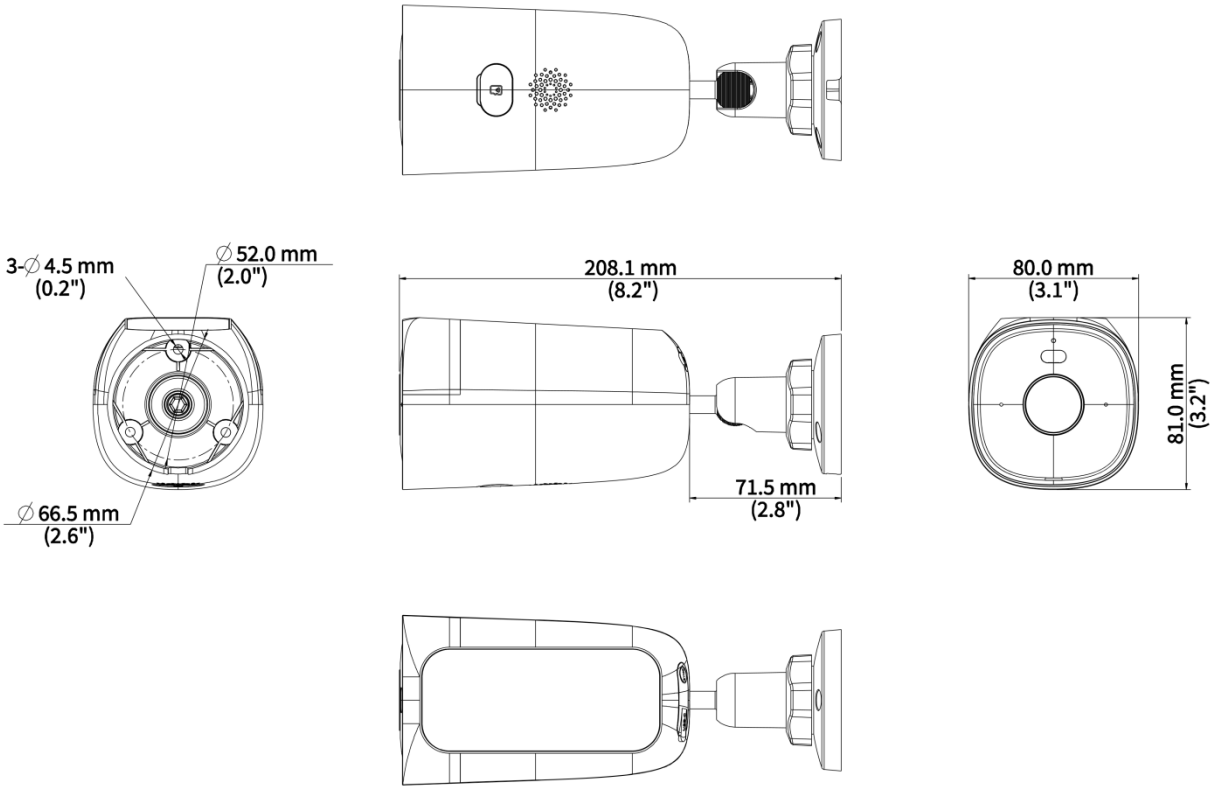
Specifications

Model	S420	S420	S420	S420 M4F3D
Camera				
Max Resolution	4 MP			
Lens				
Focal Length	2.8 mm			
Iris	F1.6			
Field of View (D)	115°			
Illuminator				
Illuminator	2 x IR illuminator; 2 x white light illuminator			
Illumination Distance	IR: 10 m, white light: 5 m			
Video				
Stream	High: 2560 × 1440@15 fps			

	Medium: 1920 × 1080@15 fps Low: 640 × 360@15 fps			
Privacy Mask	Up to 3 areas			
Audio				
Two-way Audio	Support			
Events				
Human Body Detection	Support			
Vehicle Detection	Support			
Cross Line Detection	Support (support the classification of human and vehicle)			
Wi-Fi				
Frequency Range	2.4 GHz			
Wireless Standards	IEEE802.11b/g/n/ax			
Wi-Fi Security	WPA-PSK/WPA2-PSK/WPA3-Personal			
Interface				
Built-in Mic	Support			
Built-in Speaker	Support			
Storage				
Cloud Storage	Supports (subject to cloud storage plans on the Youkey Life app)			
Local Storage	MicroSD, up to 512 GB (sold separately)			
General				
Dimensions	208.1 × 80.0 × 81.0 mm (8.2" × 3.1" × 3.2")			
Weight	0.47 kg (1.04 lb)			
Power	Type C DC 5 V/2 A			
Battery	10000mAh rechargeable lithium battery			
Solar Panel	0.66W Solar Panel (pre-installed) , 3W Solar Panel (with accessory)			
Working Environment	-20 ℃ to 50 ℃ (-4 ℉ to 122 ℉), Humidity: ≤ 95% RH (non-condensing)			
Charging Environment	0 ℃ to 45 ℃ (32 ℉ to 113 ℉), Humidity: ≤ 95% RH (non-condensing)			
Ingress Protection	IP67			
LED Indicator	1, red/green			
Mount	Wall mount, Ceiling mount			
Regional Standards	E-commerce – US	E-commerce – EU	E-commerce – UK	Distribution Channels - Global

Dimensions

Aggregate product size diagram using S420 as an example



KeyLife International Technology Limited

Workshop 7, 6th Floor Core 45, No. 43 Tsun Yip Street, Kowloon, Hong KongChater Road, Central, Hong Kong

Email: global@youkey.com; support@youkey.com

https://www.youkey.com

©2026 KeyLife International Technology Limited All rights reserved.

*Product specifications and availability are subject to change, please refer to the latest version.

*KeyLife reserves the right to change the contents of this document.