CX820

4K 8MP ColorX PoE camera with true full-color night vision, F1.0 super aperture, 1/1.8" sensor, smart detection, 2-way audio, customizable siren, etc.

• F1.0 Super Aperture
• HDR Technology
• True Full-Color Night Vision in the Dimmest Light
• Person/Vehicle/Animal Detection

Specifications

Video & Audio	
Image Sensor	1/1.8" CMOS sensor
Resolution	3840*2160 (8Megapixels)@25FPS
Lens	f=4mm F=1.0, with IR Cut
Video Compression	H.265/H.264
Field of View	Horizontal: 93.2° Vertical: 48.2° Diagonal: 111.6°
Day & Night	Color night vision
Infrared Night Vision	N/A
Color Night Vision	3pcs/2.8W/3000K/400Lumens
Frame Rate	Main stream: 2fps - 25fps(default: 25fps) Sub stream: 4fps - 15fps(default: 10fps)
Code Rate	

	Main stream:1024Kbps -8192Kbps(default: 6144Kbps) Sub stream: 64Kbps - 512Kbps(default: 256Kbps)
Audio	Two-way audio

Power Requirements

PoE	IEEE 802.3af, 48V Active
DC Power	DC 12.0V 1A, <12W

Interface

Power Port	DC power port
Ethernet Port	One 10M/100Mbps RJ45
SD Card Slot	Supports Max. 512GB microSD card
Reset Button	YES
Audio In/Out	Built-in microphone & speaker

Software

Browsers Supported	Edge, Chrome, Firefox, Safari
OS Supported	PC: Windows, Mac OS; Smartphone: iOS, Android
Protocols & Standards	HTTPS, SSL, TCP/IP, UDP, HTTP, IPv4, UPnP, RTSP, RTMP, SMTP, NTP, DHCP, DNS, DDNS, FTP, P2P

Software Features

Maximal User Access	20 Users (1 admin account & 19 user accounts); Support up to 12 simultaneous video streams (10 substreams & 2 mainstreams)

Other Features

Smart Alarm	Motion detection/person detection/vehicle detection/ animal detection
Recording Modes	Motion-triggered recording (default); Scheduled recording; 24/7 recording
HDR	YES
Time Lapse	YES
Smart Home Compatibility	Google Assistant

Working Environment

Temperature	Operating temperature: -10°C~+55°C (14°F~131°F)
Humidity	Operating humidity: 10% ~ 90%
Weatherproof	IP67
Mechanical	
Dimensions	Φ 117.4x 103.8mm
Weight	515g
Warranty	
Limited Warranty	2-year limited warranty. For support, visit https://support.reolink.com/hc/en-us/

Gallery & Specs

1. Mount
2. microSD Card Slot
3. Aluminum Casing
4. Cable Hole
5. Speaker
6. Microphone

1. Spotlight
2. Lens

Only Manual Rotation

1. Power Port
2. Reset Button
3. Network Port
4. Waterproof Lid

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