

Product Specifications

BC800Z

Synology

Hardware Specs

Optical

Image Sensor	1/1.8"
IR LED wavelength	850 nm
Max. IR distance	38m (124.7ft) (0.001lux)
Max. white LED distance	31m (101.7ft)
Shutter Speed	1/16000 s to 1/30 s
Day & Night	Automatically removable infrared-cut filter

Lens

Lens type	Varifocal
Focal Length	4.38 to 9.33 mm
Field of View	112.1° to 47.5° H 58.0° to 26.6° V 137.5° to 54.6° D
DORI	- Wide: D: 46m, O: 18m, R: 9.2m, I: 4.6m - Tele: D: 165m, O: 65m, R: 33m, I: 16m
Aperture	F1.3 to F2.15

Video

Max. video resolution	3840×2160 @ 30 FPS
Multi-exposure HDR	v
DNR	3DNR 2DNR

Audio

Microphone

v

I/O

Ethernet

RJ45 10M/100M Ethernet port X 1

Reset

v

On-Board Storage

MicroSD card slot X 1
Supported file format: exFAT
Note: microSD card is not included

Power Supply

IEEE 802.3af Type 1 Class 0 or 12V DC

Note

- Compatible power adapter: 12V 2.5A (Ø2.1mm)
- The product does not include a PoE switch. A 12V DC power adapter is not included, except in specific regions. Please purchase separately.

General

Form Factor

Bullet

Dimension

Ø105 × 272 mm (Ø4.13 × 10.71")

Weight

1310 g (2.89 lbs)

Temperature

Operating Condition

Starting temperature: -30°C to 60°C (-22°F to 140°F)
Operating temperature: -30°C to 60°C (-22°F to 140°F) (IR off)
Operating temperature: -30°C to 55°C (-22°F to 131°F) (IR on)
Operating humidity: 5%~95% (non-condensing)

Storage Condition

Storage temperature: -30°C to 60°C (-22°F to 140°F)
Storage humidity: 5%~95% (non-condensing)

Certification

Regulatory Compliance

FCC, IC, CE, UKCA, BSMI, VCCI, RCM, JATE

Environment

REACH, ROHS, WEEE

Waterproof

- IP66
- IP67

Vandal

IK10

NDAA Compliant

v

TAA Compliant

v

Warranty

5-year

Packaging Content

- Main Unit X 1
- Installation card X 1
- Hex key X 1
- Desiccant X 1
- Mounting template sticker X 1
- Regulatory compliance card X 1
- Screw pack X 1
- RJ45 cap cover X 1

Software Specs

Video & Audio	
Main Stream	3840×2160 @ 30 FPS 1920×1080 @ 30 FPS 1280×720 @ 30 FPS 640×480 @ 30 FPS
Sub Stream	1920×1080 @ 15 FPS 1280×720 @ 30 FPS
Video Format	• H.264 • H.265
Bitrate Control	• Maximum bitrate • Variable bitrate
Audio Compression	G.711
Audio Denoise	v
Image Adjustment	• Brightness • Defog • Contrast • Sharpness • Saturation • White Balance • Exposure Control • High Dynamic Range (HDR) • 3D/2D Noise Reduction • 50/60 Hz Flicker Reduction • Day/Night mode • Overlay
Day/Night Mode	• Auto • Hybrid Light • Day • Night • Schedule
Video Orientation	• Mirror • Flip • Rotation (0°, 90°, 180°, 270°)

Privacy Mask	• Removeable/Unremovable mode • Up to 5 zones
Max RTSP Connections	3

Analytics

Event Analytics	• Audio Detection • Tampering Detection • Motion Detection
People & Vehicle	• People Detection • Vehicle Detection • Crowd Detection • Loitering Detection
Counting	People and Vehicle Counting
Intrusion	One way or Two way
License Plate Recognition	Yes
Smoke Detection	Yes
Instant Search	• Motion • Vehicle • People
Auto Tracking	People

Security

IP Filter	• Auto Block • Allow/Block list
Connection Management	v
Firmware Update	• Automatically update to the important version • Automatically update to the latest version • Manual upload
Signed Firmware	v
HTTPS	v
SRTP	v

Storage Management

Storage	microSD Card & Synology NAS
SD Card Recording Mode	• Event Analytics • Disconnected with NAS

System Integration

Surveillance Station	v
Open Standards	• ONVIF Profile S • RTSP • SRTP

Camera Web Interface

Liveview	v
Network	• Auto Block • Allow/Block list • Connection Management • Fixed IP/DHCP
System	• Reset • Restart • Manual Firmware Upgrade • DST • Time Zone
Camera Log Export	v
Protocol Support	HTTP, HTTPS, TLS v1.2, TCP/IP, UDP, IPv4, UPnP, RTSP, NTP, DHCP, SSL, RTP, SRTP
Supported Browsers	Google Chrome
Supported Language	English, Deutsch, Français, Italiano, Español, Dansk, Norsk, Svenska, Nederlands, Русский, Polski, Magyar, Português do Brasil, Português Europeu, Türkçe, Český, ภาษาไทย, 日本語, 한국어, 繁體中文, 简体中文