Synology®

Datasheet

Camera

FC600

Last updated: Sep 03,2026

Camera

FC600



AI-powered 360° panoramic fisheye camera for wide-area surveillance

The FC600 is a 6MP fisheye camera designed for indoor use, providing comprehensive coverage with minimal blind spots. It delivers crisp, high-resolution HDR video at 2560×2560 with smooth 30 FPS and features configurable I/O ports. Despite its compact size, the FC600 is packed with advanced features, including powerful edge AI capabilities that enable smarter analytics and real-time insights for enhanced surveillance performance.

- **Crisp and Wide Surveillance**
  6 MP sensor with 360° panoramic view, and high-power IR LEDs for 10 meters of night vision
- **Customizable Dewarped View**
  Dewarped views like quad (4R) and 180° (2P) provide full indoor coverage with one camera
- **Configurable I/O Ports**
  Equipped with two configurable I/O ports for flexible external device integration and automation
- **Built-in Mic & Audio Connection**
  Features a built-in mic and audio line in/out for flexible, comprehensive two-way audio
- **Edge AI Detection**
  Camera-based AI capabilities for enhanced security
- **Security and Compliance**
  Suitable for sensitive applications thanks to US NDAA & TAA compliance

360° panoramic wide-area coverage

Full-view angle and customizable dewarped view for complete protection and clarity.

- 6 MP (2560×2560) resolution with 360° panoramic coverage for clear, wide views
- With dewarped views like quad (4R) and 180° (2P), one camera can provide comprehensive indoor coverage
- Wall and ceiling mount offers durable, flexible positioning on various surfaces
- Two configurable DI/DO ports provide external integration for hardware alarms and access control systems
- Built-in mic and audio line in/out ports support external hardware integration for real-time environmental monitoring and clear two-way communication.
- High power infrared LED provides clear night vision up to 10 meters

Flexible deployment options

A multi-platform design enables flexible deployment options to best fit your surveillance needs.

- **Surveillance Station**: Host video locally on your NAS for complete local control[1]
- **Surveillance365**: A cloud-native VSaaS solution for serverless, rapid deployment[2]
- **Third-Party System**: Connect to other NVR or VMS using the standard ONVIF protocol

Trustworthy and secure, every time

From recording to archiving, protect your footage with our integrated safeguards.

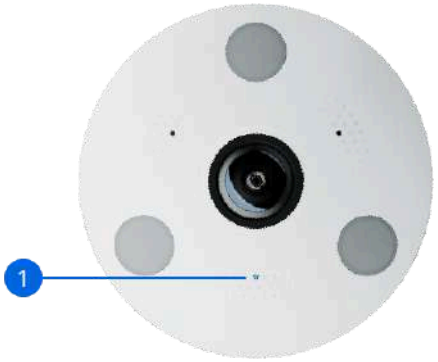
- The camera is NDAA and TAA compliant, meeting US government procurement regulations
- Privacy masks can be permanently embedded into footage or applied to live view to cover sensitive areas
- Long-term firmware support from Synology includes security patches and updates

Notes:

1. When used with Surveillance Station, the camera must be paired with a Surveillance Device License Pack. Please ensure sufficient licenses are available.
2. When used with Surveillance365, a Synology microSD card is recommended to ensure optimal compatibility and performance. For third-party cards, a Class 10 (C10) / UHS-1 (U1) / V10 high-quality microSD card with a minimum write speed of 10MB/s is recommended.

Hardware Overview

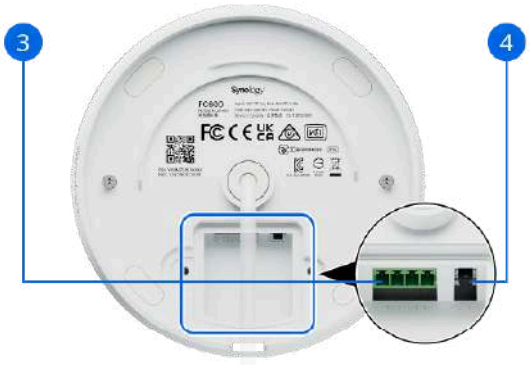
Front



Side



Bottom



Ports



No.	Name	No.	Name
1.	Status Indicator	5.	Audio In/Audio Out Ports
2.	microSD Card Slot	6.	RJ-45 Jack (10M/100M)
3.	DI/DO/12V/G Ports	7.	Power Jack (1A/Ø2.1mm)

4.	Reset Button		

Technical Specifications

Hardware Specifications

Optical	
Image Sensor	1/2.5"
IR LED wavelength	850 nm
Max. IR distance	10m (32ft) (0.001lux)
Shutter Speed	1/16000 s to 1/30 s
Day & Night	Automatically removable infrared-cut filter

Lens	
Lens type	Fixed Focal
Focal Length	1.53 mm
Field of View	187° H, 187° V, 187° D (LDC ON)
DORI	D: 30m, O: 12m, R: 6m, I: 3m
Aperture	F2.0

Video	
Max. video resolution	2560×2560 @ 30 FPS
Multi-exposure HDR	v
DNR	• 3DNR • 2DNR

Audio	
Microphone	v
Line in	v
Line out	v

I/O	
Ethernet	RJ45 10M/100M Ethernet port X 1
Reset	v
Digital Input/ Output	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 3 or 12V DC	
Digital Output	≤15V DC, ≤50mA
Note	• Compatible DC power adapter: 12V/2A (Ø2.1mm) • The product does not include a PoE switch or a 12V DC power adapter. Please purchase separately.

General	
Form Factor	Fisheye
Dimension	Ø130 × 64.7 mm (Ø5.12 × 2.55”)
Weight	430g (0.95lbs)

Temperature	
Operating Condition	Starting temperature:-10°C to 45°C (14°F to 113°F) Operating temperature:-10°C to 45°C (14°F to 113°F) (IR off) Operating temperature:-10°C to 45°C (14°F to 113°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, CB, IC, CE, UKCA, BSMI, VCCI, RCM, KC, JATE
Environment	REACH, RoHS, WEEE
NDAA Compliant	v
TAA Compliant	v

Warranty

3-year

Packaging Content

- Main Unit × 1
- Terminal Block X 1
- Mounting template sticker X 1
- Regulatory compliance card X 1
- Installation guide X 1
- Screw pack X 1

Software Specifications

Video & Audio	Surveillance Station	Surveillance365
Main Stream	2560×2560 @ 30 FPS 1920×1920 @ 30 FPS 1600×1600 @ 30 FPS 1280×1280 @ 30 FPS 800×800 @ 30 FPS	2560×2560 @ 30 FPS 1280×1280 @ 30 FPS 800×800 @ 30 FPS
Maximum Bitrate	6656 kbps	3072 kbps
Sub Stream	1O: 1600×1600 @ 30FPS 1280×1280 @ 30FPS 800×800 @ 30FPS 640×640 @ 30FPS 2P: 1280×1280 @ 10FPS 800×800 @ 10FPS 640×640 @ 10FPS 1P (Ceiling): 2560×640 @ 15FPS 1P180 (Ceiling): 1600×800 @ 15FPS 1280×640 @ 15FPS 1P180 (Wall): 1600×900 @ 15FPS 1280×720 @ 15FPS 1R: 1280×960 @ 15FPS 1280×720 @ 15FPS 4R: 1280×960 @ 10FPS 1280×720 @ 10FPS	Not supported
Video Format	• H.264 • H.265	H.264
Bitrate Control	• Maximum bitrate • Variable bitrate	• Maximum bitrate • Low bandwidth mode
Audio Compression	G.711	G.711
Audio Denoise	v	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	• 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 • Day • Night • Schedule	• Auto • Day • Night • Schedule
Privacy Mask	• Removeable/Unremovable mode • Up to 5 zones	• Unremovable mode • Up to 5 zones
Max RTSP Connections	4	Not supported

Analytics	Surveillance Station	Surveillance365
Event Analytics	• Audio Detection • Tampering Detection • Motion Detection	• Tampering Detection • Audio Detection
People & Vehicle	• People Detection • Crowd Detection • Loitering Detection	• Loitering Detection • People Detection
Counting	People Counting	Not supported
Intrusion	One way or Two way	One way or Two way
Instant Search	• Motion • People	Not supported
Auto Tracking	People	Not supported

Security	Surveillance Station	Surveillance365
IP Filter	• Auto Block • Allow/Block list	Not supported
Connection Management	v	Not supported
Firmware Update	• Automatically update to the important version • Automatically update to the latest version • Manual upload	• Automatically update to the important version • Automatically update to the latest version
Signed Firmware	v	v
HTTPS	v	v
SRTP	v	Not supported

Storage Management	Surveillance Station	Surveillance365
Storage	MicroSD card & Synology NAS	MicroSD card
SD Card Recording Mode	• Event Analytics • Disconnected with NAS	Continuous
Note	• A Synology microSD card is recommended to ensure optimal compatibility and performance. • For third-party cards, a Class 10 (C10) / UHS-1 (U1) / V10 high-quality microSD card with a minimum write speed of 10 MB/s is recommended.	• A Synology microSD card is recommended to ensure optimal compatibility and performance. • For third-party cards, a Class 10 (C10) / UHS-1 (U1) / V10 high-quality microSD card with a minimum write speed of 10 MB/s is recommended.

Camera Web Interface	Surveillance Station	Surveillance365
Liveview	v	v
Network	• Auto Block • Allow/Block list • Connection Management • Fixed IP/DHCP	• Auto Block • Allow/Block list • Connection Management • Fixed IP/DHCP
System	• Reset • Restart • Manual Firmware Upgrade • DST • Time Zone	• Reset • Restart • Manual Firmware Upgrade • DST • Time Zone
Camera Log Export	v	v
Protocol Support	HTTP, HTTPS, TLS v1.2, TCP/IP, UDP, IPv4, UPnP, RTSP, NTP, DHCP, SSL, RTP, SRTP	HTTP, HTTPS, TLS v1.2, TCP/IP, UDP, IPv4, UPnP, RTSP, NTP, DHCP, SSL, RTP, SRTP
Supported Browsers	Google Chrome	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	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

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