

Mini Dome IP Camera

F-SC621



Introduction

F-SC621 is a current style mini dome IP camera. The fashion appearance fits most indoor scenes. Provides 2MP sensor, fixed lens. It can be customized to add multiple IoT interfaces such as Relay, I/O, ADC, etc. It has been widely using in smart offices, smart buildings, airports, train stations, and other scenarios.



High Performance

- ▶ Support MQTT, ONVIF Profile S, Modbus RTU and other protocols.
- ▶ Support microSD/SDHC/SDXC Card Local Storage, up to 512G
- ▶ Industrial level IR LEDs, the distance is up to 50 meters
- ▶ H.265, optimized in bit rate, bandwidth and storage usage, 50% off than H.264.
- ▶ Super WDR, up to 140dB wide dynamic range
- ▶ Support remote management & upgrade



Stability & Reliability

- ▶ WDT Watchdog design to ensure system stability
- ▶ Adopt a complete anti-drop mechanism
- ▶ Built-in 1.5KV electromagnetic isolation protection for Ethernet interface
- ▶ Built-in reverse phase protection and over voltage protection for power interface



Standard & Convenience

- ▶ Standard RS485, Relay, I/O, and Ethernet interfaces
- ▶ Front-end edge integration and equipment intercommunication linkage
- ▶ Easy to use, flexible, multiple working mode options

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Industrial-grade Design

- ▶ SONY top-level CMOS sensor
- ▶ Metal casing, protection grade IP67. Metal housing and system safety isolation
- ▶ Industrial-grade components

Product Specification

Camera	
Model	F-SC621-21
Items	Contents
Image Sensor	1/2.8" Progressive Scan CMOS
Resolution	2MP
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on
WDR	Super WDR up to 140dB
Lens	Fixed Lens 2.8mm @F2.0 3.6mm @F2.2 4mm @F2.2
Mount	M12
Field of View	H123°/D142°/V68° (2.8mm) H108°/D126°/V59° (3.2mm) H90°/D105°/V48° (3.6mm)
Shutter Time	1/100000s~1/5s
IR Distance	50m
Day & Night	ICR Filter Auto Switch
Video	
Items	Contents
Max. Image Resolution	1920×1080
Primary Stream	30fps@(1920×1080, 1280×960,1280×720, 704x576)
Secondary Stream	30fps @ (704x576, 640×480, 640×360, 352x288, 320x240, 320x192, 320x176)
Tertiary Stream	30fps @ (1920×1080, 1280×720, 704×576, 640×480, 640×360, 320×240, 320x192, 320x176)
Video Compression	H.265(HEVC)/H.264/MJPEG
Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)
Image Setting	Brightness/Contrast/Saturation/Sharpness

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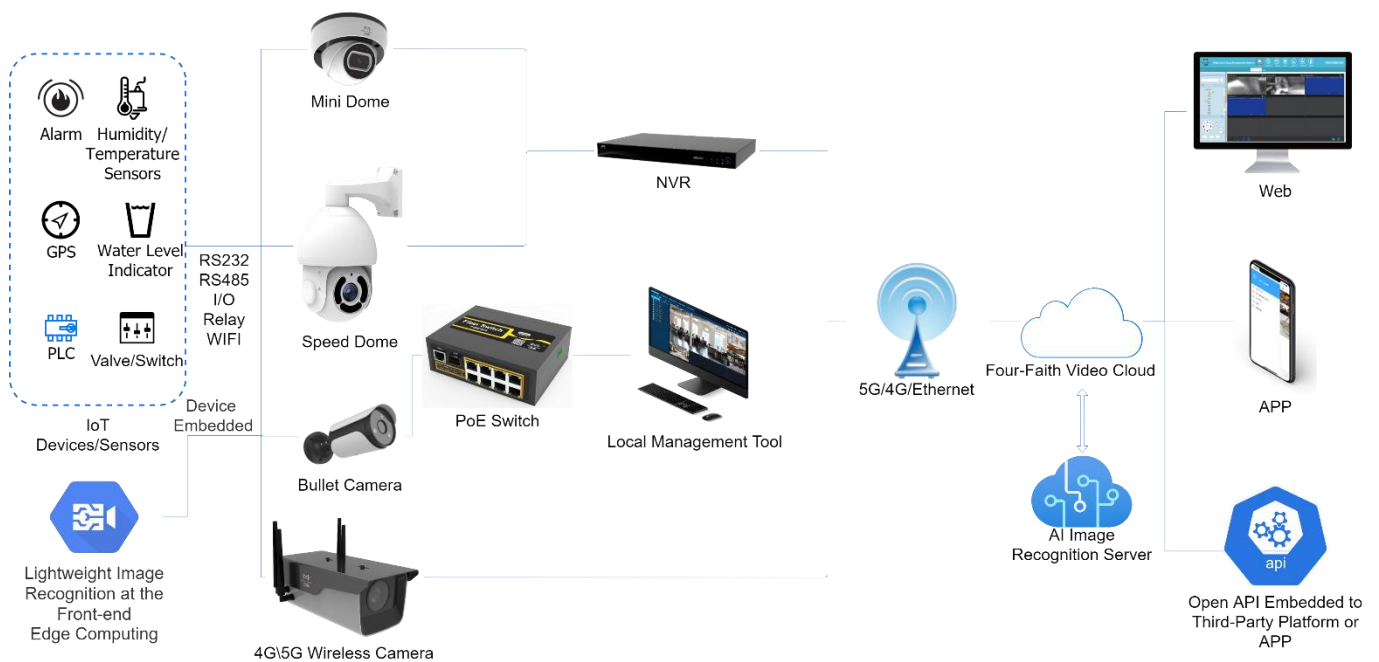
Network	
Items	Contents
Ethernet	1*RJ45 10M/100M Ethernet Port
Network Storage	NAS (Support NFS, SMB/CIFS)
Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DHCP, NTP, SNMP, NFS, CIFS
System	
Items	Contents
Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 512G
Advanced Function	Motion Detection, Privacy Masking, Backlight Compensation, HLC, 2D DNR, 3D DNR, ROI, Anti-fog, White Balance, EIS, IP Address Filtering
Event Trigger	Motion Detection, Network Disconnection, External Input, etc.
Event Action	FTP Upload/SMTP Upload/SD Card Record
Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed (*In development)
External Interfaces (* = Optional)	
Items	Contents
DC-12V IN*	1
Audio I/O@Audio Compression*	1/1&G.711/AAC
Alarm In*	1
Alarm Out*	1 (Port can Drive 12V or 5V Relay)
Relay Out*	1
Power Return Out*	12V@500MA or 5V@1000MA
ADC In*	1@8bit
UART Port*	TTL@115200bps or expansion for RS485
Type	External Cable with Multi-Interface

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General	
Items	Contents
Working Temperature	-35°C~75°C
Working Humidity	0~90% (Non-condensing)
Power Supply	PoE (802.3af)
Power Consumption	3W MAX
	6W MAX (With IR on)
Weather Proof	Up to IP67-rated for Weather-resistant Performance
Weight	410g
Dimensions	Φ110mmX76mm
Warranty	1 Year

Topology



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Dimension (mm)



Order Information

Models	Megapixel	Lens	Description
F-SC621-21	2MP	Fixed Lens 2.8mm	SD, DC&POE

Naming Convention

