Four-Faith ®

F-SC431-25

2 Megapixel
H.265 Speed Dome
Network Camera

H.265 | WDR | POE

Auto Focus | Smart IR | IP67
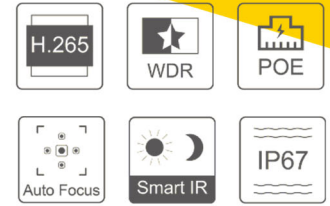
KEY FEATURES

◆ **H.265**, optimized in bit rate, bandwidth and storage usage, 50% off than H.264.

◆ **Super WDR**, up to 140dB wide dynamic range ensure all the bright and dark areas are well presented.

◆ **IP67**, industrial level protection, provides solid stability and durability.

◆ **30X AF Lens**, keep the clarity and focus on the correct objects rapidly, deliver the high-quality image.
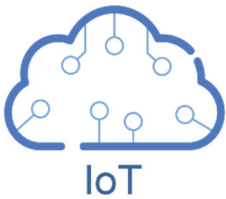
IoT
IoT INTEGRATION
The camera can be integrated with most common IoT interface such as RS232, RS485, I/O, Relay, Analog Input, provides an all-in-one IoT surveillance solution.

ULTRA-LOW LIGHT DETECTION
The starlight camera will catch all the details even in the no-light environment, the minimum illumination is 0.002Lux, and 0Lux with IR on.

SMART IR LEDs
Industrial level IR LEDs, the distance is up to 200 meters. With the Smart IR technology, the camera can detect everything in any situation.

SPECIFICATION

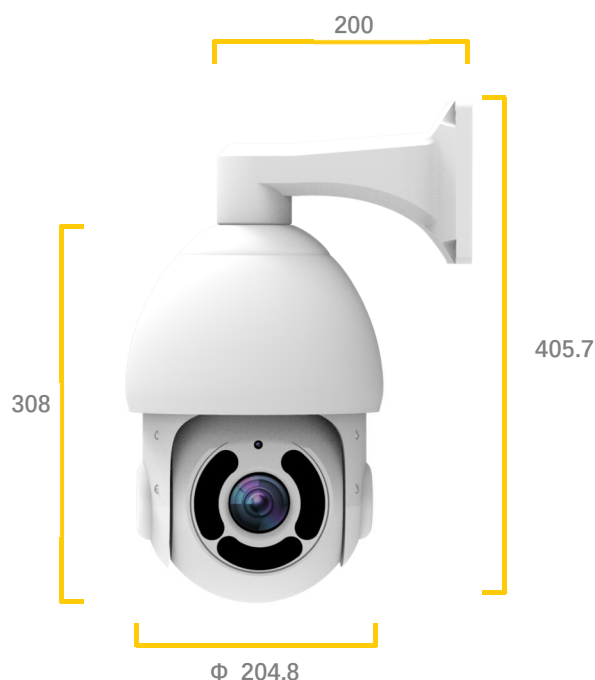| Model	F-SC431-25
CAMERA	
Image Sensor	1/2.8″ Progressive Scan CMOS
Resolution	2MP
Min. Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on
WDR	Super WDR up to 140dB

Model	F-SC431-25
CAMERA	
Lens	AF Motorized Lens 4.7~141mm @F1.5~F4.0, 30x Optical Zoom
Zoom Speed	4s
Field of View	H62°~H3°/D70°~D3°/V37°~V1°
Shutter Time	1/100000s~1s
IR Distance	Up to 200m
Day&Night	ICR Filter Auto Switch
VIDEO	
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
PTZ	
Pan Range	360° endless
Pan Speed	Pan Manual Speed: 0.5°~180°/s, Pan Preset Speed: 240°/s
Tilt Range	0°~90°
Tilt Speed	Tilt Manual Speed: 0.5°~120°/s, Tilt Preset Speed: 200°/s
Preset Quantity	255
Patrol	8 Patrols, up to 48 presets each patrol
Pattern	4 Patterns
PTZ Position Display	ON/OFF
Support Function	Proportional Zoom, Preset Freezing, Power Off Memory
NETWORK	
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	
Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 128G
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 (Optional)	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting, Object Left, Object Removed (* In development)
System Compatibility	ONVIF Profile S

DC-12V IN*	1, Support 802.AT(POE Version)
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
USB Port*	Expansion For 4G Or WiFi
Type	Junction Box Version for Multiple External Interfaces Or Cable Out Version for Single External Interface

GENERAL

Working Temperature	-40℃~60℃
Working Humidity	0~90% (Non-condensing)
Power Supply	PoE (802.3at)
Power Consumption	10W MAX 30W MAX (With IR on)
Weather Proof	Up to IP67-rated for Weather-resistant Performance
Weight	5.2kg (Junction Box Version) 4.2kg (Cable Out Version)
Dimensions	Φ204.8mmX308mm
Warranty	2 Year

DIMENSION (mm)

200

405.7

308

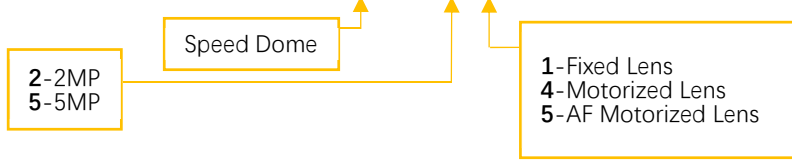Φ 204.8

Accessories (Optional)

F-SC431 Junction Box
Weight: 1000g
Dimensions: 230*170*290 mm
1 x Cable Connector
IP67 Protection

Ordering Information

Model	Megapixel	Lens	Optional Functions
F-SC431-25-M51143331301	2MP	30X AF Motorized Lens	SD, DC&POE

Naming Convention F-SC431-25-M51143331301

Speed Dome

2-2MP
5-5MP

1-Fixed Lens
4-Motorized Lens
5-AF Motorized Lens

No.	1	2	3	4	5	6	7	8	9	10	11
Function	Power Interface	LAN Port	SD Card	IR LED	UART Interface	ADC	DI&DO	RELAY	Audio	USB	Cable Outlet
Code (0-None)	1-POE 5-POE & DC	1-100Mb/s Ethernet Port	1-SD card slot	4-3 Sets of Adjustable IR LED	1-TTL 2-RS232 3-RS485 4-GPS 5-LORA	1-Photosensitive ADC 2-Photosensitive ADC + ADC for AF Lens Temp 3- Photosensitive ADC + External Interface	1-DI 2-DO 3-DI&DO	1-RELAY1 2-RELAY2 3-RELAY 1&2	1-Audio In 2-Audio Out 3-Audio In&Out		1 - Cable 2 - Junction Box

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