



FEATURES

- H.265+
- Smart IR II
- 140dB Super WDR
- Smart PTZ Motion Detection
- IR Distance up to 200m
- 255 Preset Positions
- Video Content Analysis
- 0.002Lux Ultra Low-light
- 30x Optical Zoom
- 360 Endless Pan, 0~90 Auto Flip Tilt
- ONVIF Profile S

TECHNICAL SPECIFICATION

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Image Sensor	1/2.8" Progressive Scan CMOS
Effective Pixels	2M (1920×1080)
Illumination	Color: 0.002Lux@F1.2 B/W: 0Lux with IR on
Shutter Speed	1/100000s~1/5s
S/N Ratio	>50 dB
Field of View	H62°~H3°/D70°~D3°/V37°~V1° (4.7 ~ 141mm)
Focal Length	4.7~141mm @ F1.5~F4.0, 30x optical zoom
Zoom Speed	Approx 4s (Optical Wide-Tele)
Minimum Working Distance	10~1500mm (Wide-Tele)
Pan Range	360°endless
Pan Speed	Pan Manual Speed: 0.5°~180°/s, Pan Preset Speed: 240°/s
Tilt Range	0°~90°(Auto Flip)
Tilt Speed	Tilt Manual Speed: 0.5°~120°/s, Tilt Preset Speed: 200°/s
Proportional Zoom	Support
Preset Quantity	255
Patrol	8 Patrols, up to 48 presets each patrol
Pattern	4 Patterns
Power Loss Recovery	Support
PTZ Position Display	ON/OFF
3D positioning	Support

Network	
Ethernet	1*RJ45 10M/100M Ethernet Port
Video Compression	H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
Network Storage	NAS(Support NFS, SMB/CIFS)
Event Trigger	Motion Detection, Network Disconnection, Audio Alarm, etc.
Event Action	FTP Upload/ SMTP Upload/ SD Card Record/ SIP Phone/ PTZ Motion
Image Setting	
WDR	Super WDR up to 140dB
Privacy Mask	On / Off
Backlight Compensation	On / Off
Advanced Function	Motion Detection, HLC, 3D-DNR, ROI, Anti-fog
Video Analysis	Region Entrance, Region Exiting, Advanced Motion Detection, Tamper Detection, Line Crossing, Loitering, Human Detection, People Counting
Video Streaming	
Primary Stream	30fps@(1920×1080, 1280×960, 1280×720, 704×576) (60fps available for -R series)
Secondary Stream	30fps@(704×576, 640×480, 640×360, 352×288, 320×240, 320×192, 320×176)
Tertiary Stream	30fps@(1920×1080, 1280×720, 704×576, 640×480, 640×360, 320×240, 320×192, 320×176)
Video Bit Rate	16Kbps~16Mbps(CBR/VBR Adjustable)
Protocol	IPv4/IPv6, TCP, UDP, RTP, RTSP, RTCP, HTTP, HTTPS, DNS, DDNS, DHCP, FTP, NTP, SMTP, SNMP, UPnP, SIP, PPPoE, VLAN, 802.1x
Alarm I/O	2/2
RS485	Support
Image Setting	Brightness/Contrast/Saturation/Sharpness
Audio	
SIP/VoIP Support	Yes, Voice & Video-over-IP
Audio Compression	G.711/AAC
Audio I/O	1/1
Mechanical	
IR Distance	Up to 200m
IR Angle	Auto/Manual
ICR	Day&Night ICR Filter Auto Switch
General	
Working Temperature	-30°C~60°C
Working Humidity	0~90%(Non-condensing)
Power Supply	POE (802.3at) (optional) / AC 24V/3A±10%
Power Consumption	16W MAX 35W MAX
Weather Proof	Up to IP66-rated for Weather-resistant Performance
Dimensions	Φ204.8*308mm/4Kg