ONVIF

Functions

Wide Dynamic Range
The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Smart H.264+
Delivering high quality video without straining the network, Smart H.264+ is the optimized implementation of H.264. The Smart H.264+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.264.

Environmental
Cameras operate in extreme temperature environments, rated for use in temperatures from -30 °C to +60 °C (-22 °F to +140 °F) with 95% humidity. The camera complies with the IK10 Vandal Resistance impact rating. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Interoperability
The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Camera	
Image Sensor	1/2.7" CMOS
Effective Pixels	1920(H) x 1080(V), 2 Megapixels
RAM/ROM	256M/128M
Electronic Shutter Speed	1/1s~1/30,000s
Scanning System	Progressive
Minimum Illumination	Color: 0.05Lux@F1.6; B/W: 0.005Lux@F1.6
S/N Ratio	More than 50dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A

Lens	
Focal Length	2.7mm~11mm
Max. Aperture	F1.6
Angle of View	H: 112.5° ~ 30°
Optical Zoom	4x
Focus Control	Auto/Manual
Close Focus Distance	100mm~ 1000mm

DORI Distance			

Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

Detect	Observe	Recognize	Identify
120m(394ft)	48m(157ft)	24m(79ft)	12m (39ft)

PTZ	
Pan/Tilt Range	Pan: 0° ~ 355°; Tilt: 0° ~ 90°
Manual Control Speed	Pan: 0.1° ~100° /s; Tilt: 0.1° ~60° /s
Preset Speed	Pan: 100° /s; Tilt: 60° /s
Presets	300
PTZ Mode	8 Tour, Auto Pan
Speed Setup	Human-oriented focal Length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/Tour if there is no command in the specified period
Protocol	DH-SD

Intelligence	
Event Trigger	Motion detection, Video tampering, Network disconnection, IP address conflict, Illegal access, Storage anomaly
Auto Tracking	N/A
IVS	Tripwire, Intrusion,Abandoned/Missing
Advanced Intelligent Functions	Face Detection

Video	
Compression	H.264+/H.264/MJPEG
Streaming Capability	3 Streams
Resolution	1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main Stream: 1080P/720P/D1 (1 ~ 25/30fps)
	Sub Stream1: D1/CIF(1 ~ 25/30fps)
	Sub Stream2: 720P/D1/CIF (1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264+/H.264: 448K ~ 8192Kbps, MJPEG: 5120K ~ 10240Kbps
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR (120dB)

Video	
White Balance	Auto,ATW,Indoor,Outdoor,Manual
Gain Control	Auto / Manual
Noise Reduction	Ultra DNR (2D/3D)
Motion Detection	Support
Region of Interest	Support
Electronic Image Stabilization	N/A
Defog	Support
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas
Network	
Ethernet	RJ-45 (10XBase-T/100Base-TX)
Wi-Fi	N/A
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x
Interoperability	ONVIF Profile S&G, API
Streaming Method	Unicast / Multicast
Max. User Access	20 Users
Edge Storage	NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, DMSS
Smart Phone	IOS, Android
Interface	
Video Interface	N/A
RS485	N/A
Audio I/O	N/A
Alarm I/O	N/A
Electrical	
Power Supply	DC 12V/1.5A, PoE(802.3af)
Power Consumption	10W
Environmental	
Operating Conditions	-30°C ~ 60°C (-22°F ~ +140°F) / Less than 95% RH
Ingress Protection	IP66
Vandal Resistance	IK10
Construction	
Casing	Metal
Dimensions	Φ122 (mm) x 89 (mm)
Net Weight	0.66kg(1.46lb)
Gross Weight	0.71kg(1.57lb)

Dimensions

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