SIQURA

PD900

3 MP High-speed PTZ dome camera 30x zoom

DESCRIPTION

The PD900 is a 3MP IP outdoor PTZ camera with 30x optical zoom lens. Utilizing the latest Technology, PD900 efficiently ensures the low bandwidth by real-time H.264/H.265 streams. Its IP66 waterproof and IK10 vandal resistant housing make it suitable for outdoor usage.

FEATURES

1/2.8 inch Progressive scan CMOS imager

Quad stream H.264, H.265 and MJPEG

3MP @ 30 fps HDR

30x optical zoom, 10x digital zoom

120 dB WDR (HDR)

Support EIS

PT servo feedback

IEEE 802.1x, TACACS+ user authentication

NEMA TS-2

IP66, IK10 vandal proof

ONVIF Profile S, G, and T

Description

Multi-stream high definition
The integrated camera has a multi-stream capability for simultaneous streaming of H.265, H.264 or MJPEG. Up to 4 combinations of resolutions and frame rates can be configured to satisfy different live viewing and recording scenarios.

Open standards
Multiple options are available to easily integrate the PD900 to a video management system. In support of open standards, the PD900 is compliant with a range of VMS's, it supports ONVIF (Profiles S, G, and T) and the Siqura API.

PT Servo feedback
The PD910 pan and tilt motors are controlled by servo feedback, keeping track of the PTZ position at all times. No more drifting PTZ head due to shocks, vibration or vandalism. When the head is forced from its position, it will return immediately.

Power source choices
The PD900 can be powered with 12Vdc, 24 Vac or over the network with PoE+ sources.

Camera

Image sensor	1/2.8" Progressive scan CMOS
Effective pixels	2065x1553
Min. illumination	0.04 lux Color, 0.002 lux B/W (F/1.6)
Shutter speed	1 to 1/10,000 sec
Day/Night	IR-cut filter
Lens	30x zoom
Iris	P-iris and auto-iris
Focal length	4.3mm to 129 mm (F/1.6)
Horizontal field of view	62° (W) to 2.1° (T)
Lens material	High-grade optical glass

PTZ

Pan range	360° Continuous rotation
Tilt range	-20° to +90°
Number of presets	256
Preset speed	300°/s
Manual speed	0.1°/s to 90°/s Pan; 0.1°/s to 55°/s Tilt
Preset accuracy	0.16°
Features	Speed by zoom
Sequence Scan	8
Cruise Scan	8
Autopan	4
Body material	Aluminum alloy, ABS
Internal demister/heater	Standard

Image control

Dynamic range (WDR)	120 dB, dual exposure HDR
White balance	Auto, ATW, Manual, One push
Image settings	Contrast Brightness Saturation Hue Sharpness
SNR	Better than 54dB
Noise reduction	3DNR, 2DNR, Color Low, mid, high (w/ Motion Compensation)
Image Stabilization	Yes (Digital)
Digital zoom	10x
Text and picture overlay	Compass, date & time, 4x line (40 characters each), preset title, image, image transparency
Privacy masks	16
Image rotation	90°, 180°, 270° rotation

Video

Video compression	H.265, H.264 (main or high profile); MJPEG
Number of compression instances	Any combination of H.265 or H.264 streams with possibly one MJPEG stream.
Supported resolutions	2065x1553 (3MP); 1920x1080;1280x1024; 1280x720; 1024x768; 800x600;

Specs

Video

	720x576(D1); 640x480 (VGA); 352x288 (CIF)			
Max streaming (H264/H265/MJPEG)				
60fps	2048x1536	1280x720		
60fps	2048x1536	800x600	720x480	352x240
30fps	2048x1536	1920x1080	1280x1024	1280x1024
30fps (dual shutter WDR)	2048x1536	1920x1080	1280x1024	720x480
Compression bit rate control	Constant bit rate (CBR), variable bit rate (VBR), Low bit rate (LBR)			
Number of video output streams	Up to 20 (RTSP)			
Total output data rate (max)	60 Mb/s			
Video frame rate	1 to 60 fps, 1 to 50 fps			
Analog video output	PAL/NTSC (BNC)			

Audio

Audio compression	G.711, G.726, AAC, LPCM
Audio Input	Line in
Audio Output	Line out

Data

Serial port	RS-485, 2-wire
Protocols	Pelco D, Pelco P
Connector type	Terminal block

Analytics

Loitering Detection	Enter and loiter in a user-defined region
Intrusion Detection	Enter in a user-defined region
Wrong Direction	Cross a user-defined unidirectional or bidirectional
Event detections	Motion Detection, Audio detection, Abandoned Object,
	Object Removal, Camera Sabotage
Event Triggers	External Input, Analytics, Network Failure Detection,
	Periodical Event, Manual Trigger
Autotracking	Support

Network

Local storage	SDHC/SDXC up to 512 GB;
Network storage	NAS (Support NFS, SMB/CIFS)
Protocols	IPv4/IPv6 (ICMP), HTTP, HTTPS (TLS1.2), 802.1x, Qos, FTP, SMTP(SSL), UPnP,
	SNMP(v1/v2/v3/Traps), DNS, DDNS, NTP, RTSP, RTCP, RTP/UDP, TCP/IP, IGMP(v2/v3),
	DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS+
Security	User authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),
	HTTPS encryption (TLS1.2); IEEE 802.1x port-based network access control, IP filtering
Standard	ONVIF (Profile S, Profile G, Profile T), Siqura API
Web browser	IE 9, 10 and 11; limited support for Edge, Chrome, Firefox
Network interface	10/100 Mb (RJ45)

Specs

Network

Environmental

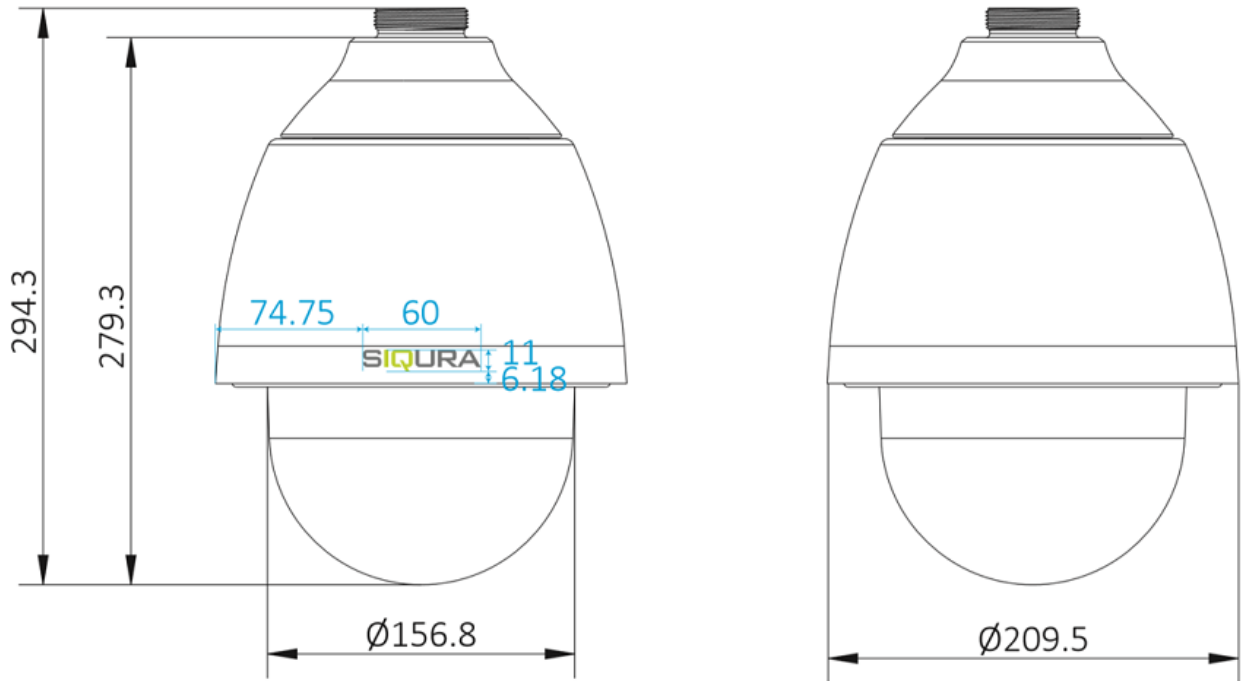|	
Ingress protection level	IP66
Impact rating	IK10
Overvoltage protection	Lightning Protection, Surge Protection and Voltage Transient Protection
Ambient temperature (NEMA TS-2)	-40 °C to +74 °C (-40 °F to +165 °F)
Relative humidity	5 to 100%
Power supply	12Vdc, 30Vdc, 24 Vac, 802.3at, class 4
Power consumption	Max. 25.4 W

Mechanical

Interfaces	
- Ethernet	RJ45
- Alarm in / out	4x / 2x Terminal Block
- 12Vdc	Terminal Block
- 24Vac	Terminal Block
- Audio in / out	terminal Block
- Video out	BNC Connector
- RS485	Terminal Block
Dimensions	diameter 210 x 279 mm with Sunshield
Weight	2.9 kg
Color	RAL 9003 (signal white)

Ordering information

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DIMENSION IN MM

294.3
279.3
74.75
60
11
6.18
SIQURA
Ø156.8

Ø209.5

RELATED

Siqura PTZ Dome Mounts
PTZ dome mounting accessories

Siqura XSNet 3100EoC
10/100/1000Base-TX Ethernet over Coax Adapter

Siqura XSNet 3100 MC
10/100Base-TX to FX media converter

Siqura XSNet C3100MC
Hardened 10/100Base-TX to 100Base FX Media Converter

Siqura XSNet 3200MC PoE+
10/100Base-TX PoE+ to 100Base FX SFP Media Converter

TKHSecuritySolutions XSNet C4104 SW
4-port + 2-port switch

Siqura XSNet C4108 SW
8+2-Port field-hardened Gigabit Ethernet switch

TKHSecuritySolutions XSNet S4104 SW
4 + 2-Port Fast Ethernet switch

Siqura XSNet S4108 SW
8+2-Port Gigabit Ethernet switch

Siqura XSNet C4208 SW PoE mk2
8+2-Port Gigabit Ethernet switches with PoE

TKHSecuritySolutions XSNet C6108 SW
8+4-Port field-hardened Gigabit Ethernet switch