

SIQURA

PD920 (EOL)

3 MP high-speed PTZ camera with 40x zoom, SFP, IR

DESCRIPTION

*** This product is Obsolete as of July 1, 2023; successor model is PD950NW (no SFP connection) ***

The PD920 is a 3-megapixel IP outdoor PTZ camera. A powerful high-grade 40x optical zoom lens ensures sharp and clear images over a wide range. Built-in IR for zero lux operation. The high-speed pan, tilt, and zoom mechanism and auto-focus give instantaneous and stable focused images. Due to its unique servo feedback control the camera will always maintain its original (PT) position. When forced away from its original position the camera will return immediately. The PD920 Ethernet interface can be swapped from RJ45 supporting PoE or an empty SFP cage. The 100 Mb/s SFP offers a range of direct to fiber option.

FEATURES

1/2.8 inch Progressive scan CMOS imager

Quad stream H.264, H.265 and MJPEG

3MP @ 30 fps HDR, 40x optical zoom

Swappable 100 Mb SFP slot or RJ45

20° tilt above horizon without optical distortion

IEEE 802.1x, TACACS+ user authentication

NEMA TS-2

120 dB WDR (HDR)

Supports EIS

Built-in IR illumination up to 200 m

PT servo feedback



ONVIF Profile S, G, and T





Description

Preliminary product information

The PD920 is a 3MP intelligent IP outdoor high-speed PTZ camera with built-in IRillumination and 40x optical zoom. The absence of the dome-cover eliminates problems like optical distortion, IR scattering, or sun glare due to dirt or water on the bubble.

PT Servo feedback

The PD920 pan and tilt motors are controlled by servo feed back, keeping track of the PTZ position at all times. No more drifting presets due to shocks, vibration or vandalism. When the head is forced from its position, it will return immediately.

Versatile SFP connection

The camera's interface can be swapped between a RJ45, supporting PoE, or an empty 100Mb SFP slot. With the SFP slot the camera can be connected direct to fiber. For each solution Sigura can provide for a cost effective SFP module.

Multi-stream high definition

The integrated camera has 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 PD920 to a video management system. In support of open standards, the PD920 is compliant with a range of VMS's, it supports ONVIF (Profiles S, G, and T) and the Sigura API.

Power source choices

The PD920 can be powered with 24 Vac, 24 Vdc or over the network with Ultra-PoE sources. (UPoE: max 60W)



Camera

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	40x zoom		
IR Illumination	850 nm		
IR illumination distance	200m		
Iris	P-iris and auto-iris		
Focal length	4.3mm to 170 mm (F/1.6)		
Horizontal field of view	64° (W) to 1.6° (T)		
Lens material	High-grade optical glass		
PTZ			
	360° Continuous rotation		
Pan range Tilt range	-20° to +90°		
Number of presets	256		
Preset speed			
Manual speed	300°/s 0.1°/s to 90°/s Pan; 0.1°/s to 55°/s Tilt		
Preset accuracy	0.16°		
Features	0.16° Speed by zoom		
Sequence Scan	8		
Cruise Scan	8		
Autopan	4		
Body material	Aluminum alloy, ABS		
Internal demister/heater	Standard		
	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 compresion	H.265, H.264 (main or high profile); MJPEG
Number of compression instances	Any combination of H.265 or H.264 streams with possibly

Specs



Video

Supported resolutions 2065x1553 (3MP); 1080p30,1280x1024; 720p30; 1024x786; 800x400; 720x576(D1); 640x480 (vGA); 352x288 (CIP) Max streaming (H264/H265/MJPEG) 60fps 2048x1536 1280x720 50fps 2048x1536 1280x700 352x240 30fps 2048x1536 1920x1080 1280x1024		one MJPEG stre	am.				
720x576(D1); 640x480 (VGA); 352x288 (CIF) 60fps 2048x1536 1280x720 60fps 2048x1536 800x600 720x480 352x240 30fps 2048x1536 1920x1080 1280x1024 1290x180 1280x1024 1290x180x 1290x180x 1290x180x 129	Supported resolutions			4; 720p30; 1024x768;	800x600;		
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Event TriggersExternal Input, Analytics, Network Failure Detection, Periodical Event, Manual Trigger*Offer by requestAutotrackingSupportNetworkSupportVeriodical storageSDHC/SDXC up to 512 GB; NAS (Support NFS, SMB/CIFS)ProtocolsIPv4/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/v DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS SecuritySecurityUser authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),	Event detections	Motion Detection	n, Audio detection*, A	Abandoned Object*,			
Periodical Event, Manual Trigger *Offer by request 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/v DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS Security User authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),		Object Removal	*, Camera Sabotage*				
*Offer by request Autotracking Support Network 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/v DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS Security User authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),	Event Triggers	External Input, A	analytics, Network Fail	ure Detection,			
AutotrackingSupportNetworkSDHC/SDXC up to 512 GB;Local storageSDHC/SDXC up to 512 GB;Network storageNAS (Support NFS, SMB/CIFS)ProtocolsIPv4/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/v DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS SecuritySecurityUser authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),		Periodical Event	, Manual Trigger				
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Local storageSDHC/SDXC up to 512 GB;Network storageNAS (Support NFS, SMB/CIFS)ProtocolsIPv4/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/v DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS SecuritySecurityUser authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),	Network						
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/v DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS Security User authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),		SDHC/SDXC up	to 512 GB;				
SNMP(v1/v2/v3/Traps), DNS, DDNS, NTP, RTSP, RTCP, RTP/UDP, TCP/IP, IGMP(v2/v DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS Security User authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),	Network storage	NAS (Support N	FS, SMB/CIFS)				
DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS Security User authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),	Protocols	IPv4/IPv6 (ICMP)	, HTTP, HTTPS (TLS1.	2), 802.1x, Qos, FTP, S	MTP(SSL), UPnP,		
DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS Security User authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),							
Security User authentication, TACACS+, Syslog, Digest authentication (RTSP, HTTP),		DHCP, PPPoE, Pelco D (TCP/UDP), Diamond (TCP/UDP), NTCIP (TCP/UDP), TACACS-					
	Security						
		HTTPS encryption (TLS1.2); IEEE 802.1x port-based network access control, IP filtering					

Specs



Network

Network		
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) or empty SFP cage	
Environmental		
Ingress protection level	IP66	
Impact rating casing	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%	
MTBF (@40°C)	>130,000 h	
Power supply	24 Vdc, 24 Vac, UPoE	
Power consumption	Max. 48 W	
Mechanical		
Interfaces		
- Ethernet	RJ45	
- Alarm in / out	4x / 2x Terminal Block	
- 24Vac/dc	Terminal Block	
- Audio in / out	terminal Block	
- Video out	BNC Connector	
- RS485	Terminal Block	
Dimensions	diameter 207.4 x 300.4 mm with Sunshield	
Weight	3.8 kg	
Color	RAL 9003 (signal white)	
Ordering information		
PD920	3 MP high-speed PTZ camera with 40x zoom, SFP, IR	
PA75-24-230	PSU, 230Vac to 24Vac, 3.13A, DIN-rail, Indoor	
PA144-JB24	PSU, 115/230VAC to 24VAC,6A, outdoor, IP67/IK10	
WM27	Wall mount, for PD9x0	
CM27	Ceiling mount 25cm for PD9x0	
CM27A	Extension 25cm for CM27	
WM12	Wall mount for PD110x and PD9x0 PTZ dome series	
WM12B	Wall mount incl. junction box for PD110x and PD9x0 series	
WM16	Gooseneck bracket for PD110x and PD9x0 PTZ dome series	
WM17	Corner mount for PD110x and PD9x0 PTZ dome series	
WM17B	Corner mount incl. junction box for PD110x and PD9x0 series	
PM06	Pole mount, for PD9x0-series, 1100-series	
PM07	Pole mount for PD110x and PD9x0 PTZ dome series	
PM07B	Pole mount incl. junction box for PD110x and PD9x0 series	
PM08	Parapet wall mount for PD110x and PD9x0 PTZ dome series	
PTM02	Bracket adapter for PD9x0 series	





Ordering information

CM11	Ceiling mount for PD110x and PD9x0 PTZ dome series
CM12	Ceiling mount for PD110x and PD9x0 PTZ dome series, 50 cm
CM15	Ceiling mount for PD110x and PD9x0 PTZ dome series, 25 cm
ECO-plug SFP*	Ethernet over coax, SFP Module, 100Mb with accessory cable, 40cm
ECO-plug kit /40cm*	Ethernet over Coax 100Mb SFP Module, incl. 40cm cable
	*The corresponding connection with ECO-plug will be provided separately.
	*If an SFP connection is used, use an external power supply.







RELATED



Siqura PTZ Dome Mounts PTZ dome mounting accessories



Siqura SFP Module SFP modules for Ethernet over fiber



Siqura XSNet 3300MC SFP 10/100/1000Base-TX to 100/1000Base FX SFP Media Converter



TKHSecuritySolutions XSNet S4124 SW SFP (EOL) 24+4-Port Gigabit Ethernet Switches



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



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



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



Sigura XSNet 3200MC PoE+ (EOL) 10/100Base-TX PoE+ to 100Base FX SFP Media Converter



TKHSecuritySolutions XSNet C4104 SW (EOL) 4-port + 2-port switch



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



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

Siqura XSNet S4108 SW (EOL)



8+2-Port Gigabit Ethernet switch







Siqura XSNet C4208 SW PoE v2 (Until stock last) 8+2-Port Gigabit Ethernet switches with PoE



TKHSecuritySolutions XSNet C6108 SW (EOL) 8+4-Port field-hardened Gigabit Ethernet switch (End-of-Life)