

Features

- 1/3" Progressive scan CMOS imager
- 3MP @ 30 fps (2048 x 1536)
- Motorized 36x optical zoom (4.5 - 162 mm) autofocus lens
- 120 dB WDR
- Built-in IR illuminator (effective distance: 200 m)
- Support defog, BLC, HLC
- Intelligent VCA
- Auto tracking
- Low bitrate, low latency
- IP66
- ONVIF Profile S and G conformant



PD1103Z2-EI

3MP Intelligent IP Outdoor PTZ Dome Camera with IR

Description

The Siquira® PD1103Z2-EI is a 3 megapixel IP outdoor PTZ dome camera with built-in IR illuminator, providing clear images in any situation. A motorized 36x optical zoom autofocus lens ensures sharp and clear images at all times, both nearby and far away. The camera has a wide range of intelligent features to offer a good image quality at all times, low storage costs and video analytics to detect numerous events.

Multistream high definition

The integrated camera has multistream capability for simultaneous streaming of H.264/H.264 or H.264/MJPEG. Streaming 3 megapixel HD (2048 x 1536) @ 30 fps is possible. Multiple combinations of resolution and frame rate can be configured to satisfy different live viewing and recording scenarios.

Open standards

Multiple options are available to easily integrate the PD1103Z2-EI to a video management system. In support of open standards, the PD1103Z2-EI is compliant with a range of APIs and standards such as ONVIF (profile S/profile G).

Day/Night, BLC and WDR

The camera provides automatic day/night functionality, for use in low light situations. Backlight compensation enhances image visibility in difficult lighting situations. This ensures quality pictures at all times. The wide dynamic range function brings details in the darker areas of an image without saturation in the brighter parts.

Power source choices

The PD1103Z2-EI can be powered with 24 Vac or over the network with Hi-PoE (60 W) sources.

Intelligent features

A wide variety of intelligent features can be used to influence image quality and fluency such as smart IR, defog, BLC and HLC. With regional cropping details can be seen in the image even with low bandwidth.

The camera features an extensive set of intelligent VCA that assist the operator to detect any anomalies and watch over your safety.

Technical Specifications

PD1103Z2-EI

Camera

Image sensor	1/3" Progressive scan CMOS
Lens	Motorized 4.5 - 162 mm, F1.6
Zoom	36x Optical zoom, 16x digital zoom
Focus	Autofocus
Horizontal field of view	60.6° ~ 3.7°
Min. illumination	Color: 0.05 lux, B/W: 0.01 lux
Day & night	IR cut filter with auto switch
WDR	120 dB
Shutter speed	1s ~ 1/30,000s
Slow shutter	Support

Image control

Max. resolution	2048 x 1536
Frame rate	50Hz: 30fps @ 2048 x 1536 60Hz: 30fps @ 2048 x 1536
Third stream	Independent with main stream and sub stream, up to 50/60Hz: 10fps @ 1280 x 720
Image enhancement	BLC/HLC/3D DNR/Defog
Image setting	Corridor mode, saturation, brightness, contrast, sharpness
Day/night switch	Auto/Schedule/Triggered by Alarm In
Picture overlay	Picture can be overlaid on video with 128x128 24-bit bmp format
Privacy masks	24

Pan and Tilt

Pan travel	360° Continuous
Tilt travel	-20°~90°
Preset speed	Pan: 240°/s, Tilt: 200°/s
Manual speed	Pan: 0.1°~160°/s, Tilt: 0.1°~120°/s
Presets	300
Cruise	10
Sequence	8
Proportional pan and tilt	On/off
Home function	Preset / Cruise / Sequence / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan

Video

Video compression	H.264/MJPEG
H.264 type	Baseline Profile / Main Profile / High Profile
Video bit rate	32 kbps – 16 Mbps
Region of interest	6 Areas with adjustable levels

Audio

Audio compression	G.711/G.722.1/G.726/MP2L2
Audio bit rate	64 kbps (G.711) / 16 kbps (G.722.1) / 16 kbps (G.726) / 32-128 kbps (MP2L2)
Environment noise filtering	Support
Audio I/O	Support dual audio track, stereo
Audio sampling rate	16 kHz / 32 kHz / 44.1 kHz / 48 kHz

Network

Network storage	NAS (Support NFS, SMB/CIFS), ANR
Alarm trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Security Standard	User authentication, Watermark, IP address filtering, Anonymous access ONVIF (Profile S, Profile G), PSIA, CGI, ISAPI

Technical Specifications

PD1103Z2-EI

Intelligent features

Behavior analysis	Line crossing detection, Intrusion detection, Region entrance, Region exiting
Line crossing detection	Cross a user-defined virtual line, uni-directional or bi-directional
Intrusion detection	Enter and loiter in a user-defined region
Region entrance	Enter a user-defined region
Region exiting	Exit from a user-defined region
Exception detections	Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection
Recognition	Face detection recognition
Statistics	Object counting (Entrance and Exit object number is accounted and showed on screen in real time)
Auto tracking	Manual / Panorama / Intrusion trigger / Line crossing trigger / Region entrance trigger / Region exiting trigger

Mechanical

Audio	1x 3.5 mm audio in (mic in/line in) / out interface
Communication interface	1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface
Alarm	7 input, 2 output
Video output	1 Vp-p composite output (75 Ω/BNC)
Built-in IR illuminator	
Working distance	Up to 200 m
Wavelength	850 nm
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
Reset button	Yes
Dimensions	Ø 266 x 365 mm
Weight	8 kg
Colour	RAL 9003 (signal white)

Environmental

Protection level	IP66
Impact protection	IK10
Operating conditions	-40 °C – 65 °C (-40 °F – 149 °F), Humidity 90% or less (non-condensing)
Power supply	24 Vac ± 10%, Hi-PoE (60 W)
Power consumption	Max. 60 W

Ordering information

Models	Description
PD1103Z2-EI	Intelligent IP outdoor PTZ dome, 3 MP, 36x opt.zoom, WDR, auto tracking, IR

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The quality management system used in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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