

Features

- Multiple resolutions: 1080p/720p
- 1/2.7" Progressive scan CMOS imager
- Dual-stream H.264 and MJPEG video
- ONVIF compliant
- Audio - mic input
- 3.6 mm fixed lens
- Compact surface mount design
- Ruggedised construction
- 802.3af Power-over-Ethernet / 12 VDC
- IP66 Ingress protection rating



CD820F1

Compact network fixed-dome camera

Description

The Siquira® CD820F1 is a mini IP fixed-dome camera in an impact-resistant ruggedised dome housing with an integrated lens providing high resolution pictures. It is an aesthetically pleasing compact fixed camera, specially designed for indoor and outdoor applications that require a small footprint.

Multistream high definition

The CD820F1 has dual-stream capability for simultaneous streaming of H.264 and MJPEG video. The CD820F1 can provide dual streaming 720p full frame rate high definition (HD) video with both H.264 and MJPEG streams simultaneously or a single stream 1080p in either H.264 or MJPEG. 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 CD820F1 to a video management system. In support of open standards, the CD820F1 is compliant with both the ONVIF specification and Siquira's Open Streaming Architecture (OSA) HTTP API.

Power source

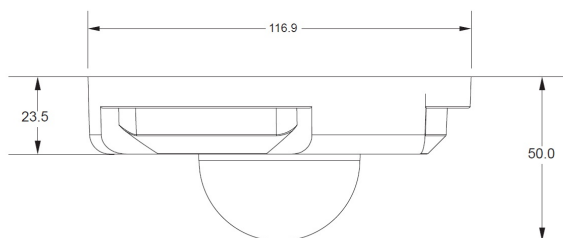
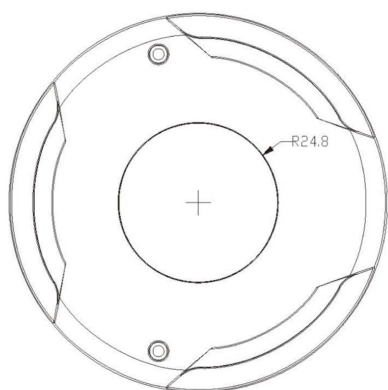
The CD820F1 camera can be powered by 12 VDC or over the network with 802.3af-compliant PoE sources.

Privacy masks

Privacy masks cover sections of the image. This feature is often requested for such situations as city centre surveillance and point of sale keypads.

Technical Specifications

CD820F1



Camera

Image sensor	1/2.7" CMOS (1920 x 1080 pixels)
Compression algorithm(s)	Dual H.264, H.264/MJPEG
Progressive scan	Yes
Resolution/frame rate	
Single stream H.264	1920 x 1080 at 30 fps
Single stream MJPEG	1920 x 1080 at 30 fps
Dual stream H.264	720p at 30 fps 720p + D1/CIF at 30 fps
Dual stream MJPEG	720p/D1/CIF at 30 fps
Shutter speed	1~1/10000 s
Lens mount	3.6 mm fixed, F1.8
Lens type	Fixed iris
Minimum scene illumination	0.1 lux colour
Signal-to-noise ratio	>40 dB

Image control

White balance	Auto/manual
Brightness	Manual
Saturation	Manual
Exposure	Auto/manual
Contrast	Manual
Sharpness	Manual
Hue	Manual
Automatic gain control	Auto

Audio

Mic input	Unidirectional
Compression	G.711, 8 kHz, A-law, μ -law, 64 kbit/s; G.726, 8 kHz, 40 kbit/s

Technical Specifications

CD820F1

Functions

Privacy masks	5
Image rotation	Normal/flip/mirror/rotate (-90/+90/180 degrees)
Video motion detection	On / off / by schedule
Tamper monitoring	On / off / by schedule
On-screen display	Time/date/time & date Text: 12 characters, subtitle: 3 rows of 16 characters Image

Network

Interface(s)	10/100 Ethernet (RJ-45)
Protocols	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, SNMP, QoS, IGMP, and ONVIF
Password levels	User and Administrator
Supported browsers	Internet Explorer (6.0+), Chrome, Firefox, Safari
User accounts	20

Storage

Storage options	Micro SD card, 64 GB
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Powering

Power consumption	3.8 W
Power	802.3af Power-over-Ethernet / 12 VDC
Power connector	RJ-45/4-pin DIN connector

Environmental

Operating temperature	-10 °C to +50 °C (+14 °F to +122 °F)
Relative humidity	10% to 90%, no condensation
Ingress protection	IP66

Mechanical

Dimensions	Ø117 x 50 mm (Ø4.60 x 2.0 in)
Weight	180 g (0.40 lb)
Colour	RAL 9003 (signal white)
Connector type	IP66 rated RJ-45 and 4-pin circular DIN on 0.5 m harness
Bubble	Polycarbonate
Cover	ABS / Polycarbonate blend
Mount	Surface mount

Ordering information

Models	Description
CD820F1	Network fixed dome camera, compact, indoor/outdoor, 1080p, H.264/MJPEG



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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