

Features

- 1/3" Progressive scan CMOS imager
- 2.8 mm fixed lens
- 3 MP @ 20 fps frame rate
- 2 MP @ 25/30 fps frame rate
- Dual stream H.264/H.264 or H.264/MJPEG
- Line crossing and intrusion detection
- 3D DNR
- Support 128 GB onboard storage
- IP66 / IK08
- 12 Vdc / 802.3af PoE



CD1002F2-EI

3MP IP Outdoor Compact Dome Camera with IR

Description

The Siqura® CD1002F2-EI is able to capture high-quality coloured images. The camera offers 3 Megapixel resolution with reduced frame rate, or full-HD resolution with a frame rate up to 30 fps.

Multistream high definition

CD1002F2-EI cameras have dual-stream capability for simultaneous streaming of H.264/H.264 or H.264/MJPEG. Multiple combinations of resolution and frame rate can be configured to satisfy different live viewing and recording scenarios.

ONVIF

The CD1002F2-EI fully supports the international ONVIF standard, providing standardised access and integration with ONVIF-compliant video management systems.

Smart Codec

Smart Codec functions include Smart Recording with dual VCA, low bit rate and low latency modes, ROI enhancement, multistreaming, Rotate mode, and Edge Recording.

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.

Day/night

Under poor lighting conditions, the CD1002F2-EI automatically becomes infrared sensitive by removing the IR-cut filter. This feature ensures that even in minimal light, the camera still produces clear images. To further enhance the picture, the camera comes as standard with IR LEDs.

Backlight compensation

In situations where the observed object is unclear due to being underlit or overlit (such as in a hallway entrance with many windows), backlight compensation improves image exposure by using the light near the object as a reference.

Power source choices

The CD1002F2-EI can be powered by 12 Vdc (DC jack) or over the network with 802.3af-compliant PoE sources.



Technical Specifications

CD1002F2-EI

Camera

| | |
|----------------------------|---|
| Image sensor | 1/3" Progressive scan CMOS |
| Minimum scene illumination | 0.3 lux colour; 0.01 lux (b/w); 0 lux with IR |
| Shutter speed | 1 s to 1/100,000 s |
| Slow shutter | Support |
| Lens | Fixed lens, 2.8 mm, F2.0 |
| Horizontal field of view | 86.0° |
| Auto iris | DC drive |
| Day/Night | IR-cut filter removable (ICR) |
| IR illuminator | 10 pcs, 850 nm |
| IR Distance | Up to 10 m |
| Wide Dynamic Range | 70 dB |
| Image enhancement | BLC / 3D DNR /ROI |
| Image setting | Rotation mode, Saturation, Brightness, Contrast, and Sharpness adjustable by client software or web browser |
| Distortion correction | Support |

Video

| | |
|--------------------------|---|
| Compression algorithm(s) | H.264/MJPEG |
| H.264 Type | Main Profile |
| Video bit rate | 32 Kbps - 16 Mbps |
| Max. resolution | 2048 x 1536 |
| Frame rate | 20 fps (2048 x 1536), 25/30 fps (1920 x 1080, 1280 x 720) |

Smart Feature set

| | |
|-------------------------|---|
| Line Crossing Detection | Cross a predefined virtual line |
| Intrusion Detection | Enter and loiter in a predefined virtual area |
| Motion detection | 8 user-defined, rectangle masking; adjustable detection level, sensitivity, time interval |
| Tampering alarm | On / off / by schedule |

Storage

| | |
|-----------------|--|
| Onboard storage | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB |
| Network storage | NAS |

Network

| | |
|--------------|---|
| Interface(s) | 10/100/1000 Ethernet port (RJ-45) |
| 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, TLS 1.2, AES-256 |
| Standards | ONVIF (Profile S, Profile G), PSIA, CGI, ISAPI |
| Security | User authentication, Watermark, IP address filtering, Anonymous access, Encrypted streaming |

Technical Specifications

CD1002F2-EI

Powering

| | |
|-------------------|----------------------|
| Power consumption | Max. 7 W |
| Power supply | 12 Vdc / 802.3af PoE |

Environmental

| | |
|---------------------------|--------------------------------------|
| Operating temperature | -30 °C to +60 °C (-22 °F to +140 °F) |
| Relative humidity | 95% or less (no condensation) |
| Ingress protection rating | IP66 |

Mechanical

| | |
|------------------------|------------------------------|
| Dimensions (h x w x d) | Φ120 x 55 mm (Φ4.7 × 2.2 in) |
| Weight | 0.3 kg (0.6 lbs) |
| Reset button | Yes |
| Impact rating | IK08 |

Ordering information

| Models | Description |
|-------------|--|
| CD1002F2-EI | Network compact dome, 2.8 mm fixed lens, 3 MP, H.264/MJPEG, IP66, IR |



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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