Features

- Multiple resolutions: 1080p/720p
- 1/2.7" progressive scan CMOS imager
- Dual-stream H.264 and MJPEG video
- ONVIF compliant
- Two-way audio
- Day/night with IR-cut filter
- 1 IR illuminator (effective distance: 25m)
- 3.0 - 9mm varifocal lens
- 24VAC/12VDC/802.3af PoE
- Contact closures (alarms) - 1 output, 1 input

IFD820

High Definition Indoor Fixed-Dome Camera with D/N

Description

The Siqura® IFD820 is a 1080p indoor fixed-dome network camera. The IFD820's modular snap-in chassis makes installation simple, and the built in IR illumination provides for clear images under any lighting condition.

Multistream high definition

The IFD820 series cameras have dual-stream capability for simultaneous streaming of H.264/H.264 or H.264/MJPEG. Full HD 1080p streaming with a D1 second stream or dual 720p streams 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 IFD820 to a video management system. In support of open standards, the IFD820 is compliant with both the ONVIF specification and Siqura's Open Streaming Architecture (OSA) HTTP API.

Day/night, backlight compensation, and wide dynamic range

The IFD820 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. Wide dynamic range solves the problem of overlit images by taking the better of two pictures with different light references.

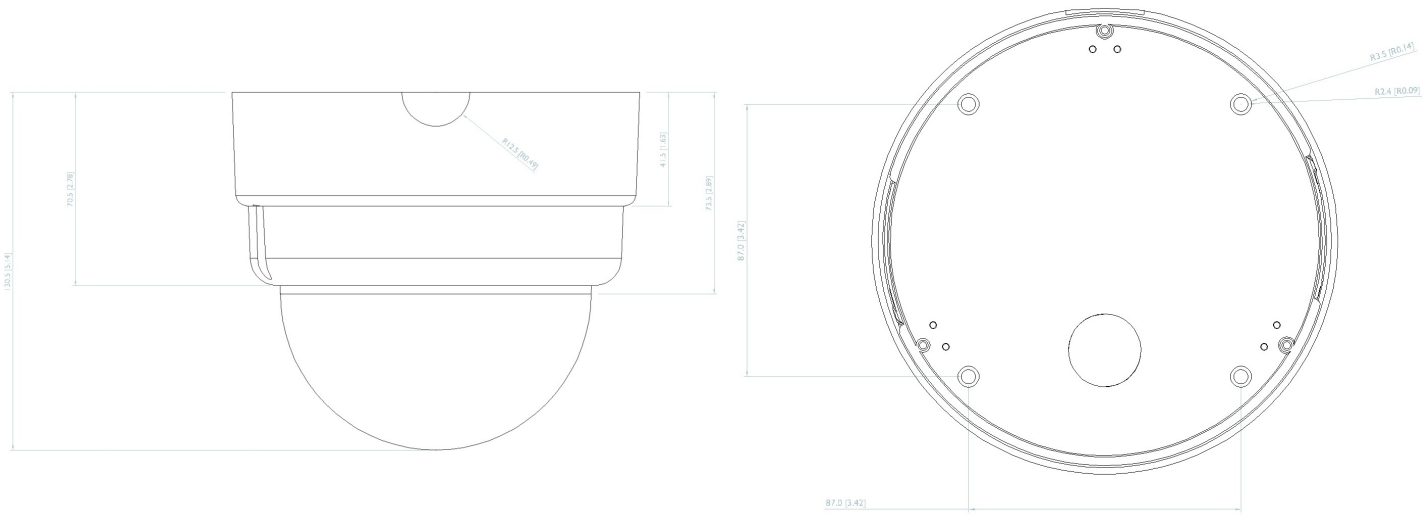
Power source choices

The IFD820 can be powered by 12VDC or 24VAC (terminal block) 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
IFD820



Camera	
Image sensor	1/2.7" progressive scan 1080p CMOS
Pixel count	1920(H) x 1080(V)
Shutter speed	1- 1/10000 sec
Lens	3.0 - 9.0mm, F1.2
Lens type	DC auto iris, manual zoom, focus
Minimum scene illumination	0.6 lux colour, 0.2lux (b/w) at F1.2
Signal-to-noise ratio	>40dB
Horizontal field of view	103.5°(W) ~ 34.3°(T)
Analog output	BNC (1 Vpp)

Image control	
Wide dynamic range	On/off
Backlight compensation	On/off
White balance	Auto/manual
Saturation	Manual
Brightness	Manual
Exposure	Auto/manual
Contrast	Manual
Sharpness	Manual
Hue	Manual
Noise reduction	2D/3D
Automatic gain control	Auto
Motion detection	On/off (10 zones)
Digital zoom	Yes

Technical Specifications
IFD820

Functions	
Privacy masks	5
Image rotation	Normal, flip, mirror, 90° (clockwise, counterclockwise), and 180° rotate
On-screen display	Date, time, and title (20 characters)
Local recording	Continuous, scheduled, alarm
Tamper monitoring	Blocked/moved image

Video	
Compression algorithm(s)	H.264 main profile/MJPEG

Network	
Interface(s)	10/100 Ethernet (RJ-45)
Protocols	TCP/IP, UDP, RTP, RTSP, HTTP, ICMP, FTP, SMTP, DHCP, NTP, PPPoE, UPnP, IGMP, SNMP, 802.1x, HTTPS and IPv4/v6
Password levels	User and administrator
Supported browsers	Internet Explorer (6.0+), Chrome, Firefox, Safari
User accounts	20

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

Contact closures	
Input	5V 10kΩ pull-up
Output	Photocoupler transistor output
Connector type	4-pin terminal block, pitch 3.5 mm

Storage	
Storage options	Micro SD card, 64 GB

Powering	
Power consumption	5.0W; 8.0W with IR on
Power	24 VAC/12 VDC/802.3af PoE
Power connector	3-pin terminal block
Power adapter (included)	110-230VAC to 12 VDC, 1.5A 50/60Hz

Environmental	
Operating temperature (12VDC/24VAC)	-10 °C to +50 °C (+14 °F to +122 °F)
Relative humidity	10% to 90%, no condensation

Technical Specifications
IFD820

Mechanical	
Dimensions	Ø149 x 131mm (Ø5.9 x 5.2in)
Weight	0.7kg (1.5lbs)
Colour	RAL 9003 (signal white)
Connector type	RJ-45, BNC
Built-in IR illuminator	
Working distance	up to 25m
Wavelength	850 nm
Number of LEDs	23

Ordering information

Models	Description
IFD820V1IR	Network fixed dome camera, 1080p CMOS, H.264/MJPEG, 3-9mm varifocal lens, IR
WM02/FD6	Tube adapter/pendant mount for FD6x/82x-series, indoor/outdoor
CM06	Flush mount kit for FD6x/82x-series