HD₆₀

IP PTZ dome with day/night (indoor)

Features

- Quad stream support- H.264/ Dual-MPEG-4/ MJPEG
- 26x Optical Zoom/12x digital zoom
- Day/Night with IR-cut filter
- 400°/second Preset targeting
- 256 presets/1 programmable cruise
- 8 alarm in/1 output
- Two-way audio
- Bidirectional PTZ Coordinate Data
- Analog Output
- 24 VAC



Description

The Siqura® HD60 ensures excellent pictures even under the most difficult circumstances by offering features like day/night and digital slow shutter.

Quad Streaming

The versatile HD60 is capable of streaming H.264, dual MPEG-4 and MJPEG simultaneously. Each stream is optimized for its purpose, e.g., high-quality MJPEG live viewing, low-bandwidth H.264 or MPEG-4 storage, and low-resolution MJPEG for web applications or remote devices (e.g., PDAs). The H.264 implementation is based on dedicated hardware resulting in unparalleled video quality.

Open Streaming Architecture (OSA)

The HD60 is designed to comply with the worldwide adopted standards for streaming video. Its OSA offers standardized streaming video and remote control. All streaming protocols are based on approved standards and tested with different vendors. A comprehensive HTTP API gives access to all controls and makes integration with third party VMS easy. In addition, the HD60 supports Siqura's unique MX^TM protocol.

Day/Night and Backlight Compensation

The HD60 is provided with an automatic Day/Night functionality, which is used in low light situations and a Backlight Compensation functionality for use in different scenes. This means, the HD60 provides a clear picture for the operator, no matter what the lightning situation is.

High-Speed Dome

This network high-speed PTZ dome has 26x auto focus zoom lens with the 12x digital zoom. Because the lens can move in almost any direction (pan and tilt), this camera offers a wide range of observation without missing the smallest details. In addition, the precision 400° per second pan and tilt drive technology offers almost instant preset positioning.

Audio, I/O Contacts and Analog Output

By combining streaming video with duplex audio and I/O contacts over IP, the HD60 provides all the interfaces necessary for any IP CCTV application. The balanced audio inputs/outputs are suitable for all industrial audio systems. With its analog output, the HD20 is a hybrid solution and can provide local video for a public view monitor or local DVR.

Privacy Masks

Privacy masks cover sections of the image and shrink or grow according to the camera's zoom. This feature is often requested for such situations as city center surveillance and point of sale keypads.

Ordering Information

Model Description

MD22 /N Mini network PTZ dome, day/night, vandal-resistant, IP66 MD22 /P Mini network PTZ dome, day/night, vandal-resistant, IP66

*WM02 is included with each outdoor MD and HD camera



HD60 Technical specifications

IP PTZ dome with day/night (indoor)

Ca	m	er	a

CIF

QCIF

Image sensor Optical zoom Digital zoom Resolution

Effective pixels Horizontal resolution ½D1 2CIF

Electronic shutter Synchronization Video output S/N ratio

Minimum illumination Focal length

Focus mode White balance Iris control AGC control Backlight compensation

Audio

Two-way audio **Functions**

Motion detection Day/ Night (IR-cut filter) Digital slow shutter

Contacts

Alarm input Alarm output Alarm reaction 1/4" Progressive Scan CCD

26x NTSC 380k 480 TVL

PAL 440k 480 TVL 720x480 720x576 352x576 352x480 720x240 720x288 352x288 352x240 176x144 176x120

½~1/30 k s Internal/line lock $1.0 \text{ Vpp/}75\Omega$, BNC >50 dB (AGC off)

0.07 lux (color), 0.01 lux (B/W)

3.5~91mm Auto/ manual Auto/ manual Auto/ manual Auto/ manual On/ Off

Line out, Line in/mic in (jack Ø3.5 mm)

On/Off On/ Off

On/ Off

8

Preset, Sequence, Auto pan, Cruise

Video

Number of video streams

Frame rate

Compression algorithm

Type of streaming Number of output streams Video Motion Detection

Encoding latency GOP structure

Frame rate Quad streaming

Output data rate

Video settings

Video overlay

Network Interface

Protocol

Pan/Tilt Pan travel Tilt travel

Preset speed Manual speed Presets Preset accuracy Cruise Sequence

Auto pan Proportional pan & tilt Resume after power loss

Home function

Auto flip

Mechanical Dimension (h x w x d)

Weight Color

> **Environmental** Operating Temperature

Powering

Power consumption

Power

H.264, 2x MPEG-4 and/or MJPEG

1 to 30 fps H.264 BP (ISO/IEC 14496-10)

MPEG-4 SP Layer 5 (ISO/IEC 14496-2), MJPEG UDP/IP (multi- and/or unicast)

Yes (user-defined masking)

<130 ms typ

I, IP (selectable/user profiles) 1 to 30 fps

D1@30fps H264 + D1@30fps MPEG-4 + CIF@1fps MJPEG

up to 20 Mb/s

(CBR or VBR selectable/user profiles) User profiles, contrast, brightness, color saturation, hue, sharpness

3x Text lines (configurable: position, color, border/outline color, font size), 1x image in BMP, GIF, or JPEG format (configurable: position, scaling)

RJ45

H.264 BP, MPEG-4 ES, RTP, UDP, IP,

DHCP, IGMPv2, RTSP, (S)NTP, MX/IP, HTTP, SNMP v2, DiffServ, SAP, UPnP

360° endless -10° ~ 190° 400°/s 1° ~ 90°/9

256 presets 0.2259 8 On/ Off Yes

Preset, Sequence, Auto pan, Cruise Digital/Mechanical/Off

Ø131 x 220.5 mm (Ø5.2 x 8.68 in.)

1.6 kg (3.5 lbs.) RAL-9003 (Signal White)

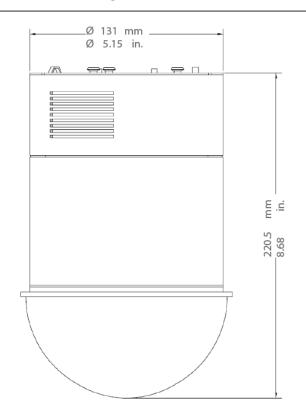
0°C to +40°C (+32°F to +104°F)

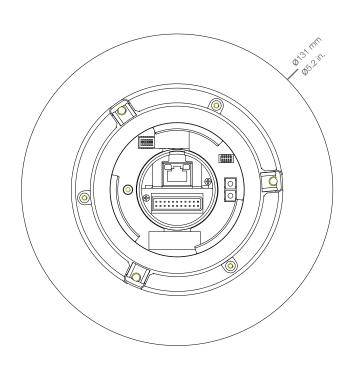
19.2 - 28.4 VAC (24VAC nominal +/- 20%)



HD60 Technical Drawing

IP PTZ dome with day/night (indoor)





Ordering Information Accessories

Model Description

PA01 /EU Power adapter 220~235 VAC to 24 VAC /1,5A for HD-series with no use of heater (indoor), with EU plug PA01 /US Power adapter 220~235 VAC to 24 VAC /1,5A for HD-series with no use of heater (indoor), with US plug

CM01 Straight tube 25 cm CM02 Straight tube 50 cm

CM03 /HD Hard ceiling mount indoor HD-series
CM04 /HD Flush mount indoor HD-series
WM01 Mini wall mount for HD-series

WM02 /HD Tube adaptor for indoor HD-series, compatible with CM01, CM02 and WM03

