

# HIKVISION<sup>®</sup>

## HiWatch Series

### HWC-C100-D/W 1.0 MP Network Cube Camera



#### Key Features

- Up to 1.0 megapixel high resolution
- Two video streams
- 2.8mm fixed lens
- Digital Wide Dynamic Range
- 3D Digital Noise Reduction
- Built-in microphone and speaker, support two-way audio
- Support on-board storage, up to 128GB
- Up to 10 m IR range
- Built-in Wi-Fi
- 5 VDC  $\pm$  10 %, micro USB interface
- Mobile Monitoring via Hik-Connect



[www.hikvision.com](http://www.hikvision.com)

## Specifications

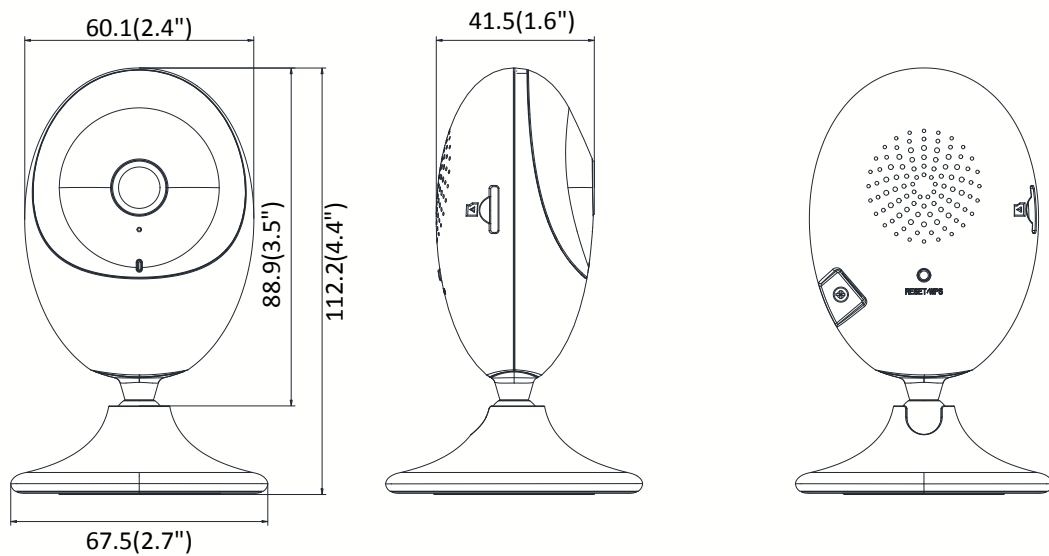
<b>Camera</b>	
Image Sensor	1/4" Progressive Scan CMOS
Min. Illumination	0.02 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Support
Iris	F2.0
Lens	2.8mm, horizontal field of view 92°
Lens Mount	M12
Day & Night	IR cut filter with auto switch
DNR	3D DNR
Wide Dynamic Range	Digital WDR
<b>Compression Standard</b>	
Video Compression	Main stream: H.264 Sub-stream: H.264
H.264 Type	Baseline Profile/Main Profile
Video Bit Rate	32 Kbps – 8 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)
<b>Image</b>	
Max. Resolution	1280 × 720
Main Stream Max. Frame Rate	50Hz: 25fps (1280 × 720) 60Hz: 30fps (1280 × 720)
Sub-Stream Max. Frame Rate	50Hz: 25fps (704 × 576, 352 × 288, 640 × 480, 320 × 240) 60Hz: 30fps (704 × 480, 352 × 240, 640 × 480, 320 × 240)
Image Settings	Brightness, saturation, sharpness, contrast are adjustable via client software
Day/Night Switch	Support auto/scheduled
Backlight Compensation	Support, zone optional
Region of Interest	Support 1 fixed region for each stream
<b>Audio</b>	
Environment Noise Filter	Support
Audio I/O	Support mono soundtrack
Audio Sampling Rate	Max. 16 kHz
<b>Network</b>	
Network Storage	Support micro SD/SDHC/SDXC card, up to 128 GB local storage
Detection	Motion detection
Alarm Trigger	Video tampering alarm, HDD full, HDD error, network disconnected, IP address conflicted, illegal login
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, UPnP, IGMP, QoS, IPv6, Bonjour, SMTP, 802.1x
Standard	ISAPI
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark
<b>Interface</b>	
On-board Storage	Built-in micro SD/SDHC/SDXC slot, up to 128 GB
Audio Interface	1 built-in microphone, 1 built-in speaker
Reset	Yes
<b>Wi-Fi</b>	

Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz - 2.4835 GHz
Channel Bandwidth	20/40MHz Support
Protocols	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transfer Rates	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Wireless Range	50 meters (The performance varies based on actual environment)
<b>General</b>	
Operating Conditions	-10 °C to 40°C (14 °F to 104 °F), Humidity 95% or less (non-condensing)
Power Supply	5 VDC ± 10 %, micro USB interface
Current	Max. 0.9 A
Power Consumption	Max. 4.5W
IR Range	Up to 10 meters
Material	Plastic
Dimensions	Φ 67.5 × 112.2 mm (Φ 2.7" × 4.4")
Weight	115 g (0.3 lbs)

## Ordering Models

HWC-C100-D/W (2.8mm)

## Dimensions



Unit: mm(inch)



Distributed by



**HIKVISION**<sup>®</sup>  
HiWatch Series

**Headquarters**

No.555 Qianmo Road, Binjiang District,  
Hangzhou 310051, China  
T +86-571-8807-5998  
overseasbusiness@hikvision.com

**Hikvision USA**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Europe**  
T +31-23-55-42-770  
info.eu@hikvision.com

**Hikvision Middle East**  
T +971-4-8816086  
salesme@hikvision.com

**Hikvision Russia**  
T +7-495-669-67-99  
saleru@hikvision.com

**Hikvision India**  
T +91-22-28469900  
sales@pramahikvision.com

**Hikvision Italy**  
T +39-0438-6902  
info.it@hikvision.com

**Hikvision France**  
T +33(0)1-85-330-450  
info.fr@hikvision.com

**Hikvision Spain**  
T +34-91-737-16-55  
info.es@hikvision.com

**Hikvision Poland**  
T +48-22-460-01-50  
poland@hikvision.com

**Hikvision UK**  
T +01628-902140  
support.uk@hikvision.com

**Hikvision Singapore**  
T +65-6684-4718  
sg@hikvision.com

**Hikvision Oceania**  
T +61-2-8599-4233  
salesau@hikvision.com

**Hikvision Canada**  
T +1-909-895-0400  
sales.usa@hikvision.com

**Hikvision Korea**  
T +82-31-731-8841  
sales.korea@hikvision.com

**Hikvision Brazil**  
T +55 11 3318-0050  
Latam.support@hikvision.com

**Hikvision Africa**  
T +27 (10) 0351172  
sale.africa@hikvision.com

**Hikvision Hong Kong**  
T +852-2151-1761