

# HIKVISION



## HiWatch

### DS-2DE2103/2202-DE3/W

### 1 MP/2 MP Network Mini PTZ Dome Camera



This micro-designed 2.5" PTZ Mini Dome Camera features the easiest installation, adjustment, and maintenance that you have ever seen. It is a fantastic and practical camera for indoor areas such as cafés, hotels, office lobbies, small shops, etc. In addition, DS-2DE2103/2202-DE3/W supports 2x/3x zoom technology, EZVIZ Cloud P2P function, and PoE and 12 VDC power supply. An embedded 1/3" progressive scan CMOS chip makes DWDR and 1.3 MP/2 MP real-time resolutions possible. With the pan/tilt and 2x/3x zoom Day/Night lens, the camera offers more details in indoor environments.

Hikvision's DS-2DE2103/2202-DE3/W Mini PTZ Dome Cameras also feature a wide range of functions, including intrusion detection, line crossing detection, and audio exception -- benefitting users with great improvement on security efficiency and, more importantly, with key events/objects being recorded for further forensic needs.

#### Key Features

- 1/3" Progressive Scan
- CMOS 1280 x 720/1920 x 1080
- 2x/3x Zoom
- DWDR
- Supports WiFi
- 3D Intelligent Positioning Function
- PoE (802.3af)
- Supports EZVIZ Cloud P2P
- Supports Plug & Play



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

# DS-2DE2103/2202-DE3/W 720/1080p Network Mini PTZ Dome Camera

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## Function Description

### Basic Functions

- High performance CMOS, up to 1280 x 720/1920 x 1080 @ 30 fps resolution
- $\pm 0.1^\circ$  preset accuracy
- ONVIF (Open Network Video Interface Forum), CGI (Common Gateway Interface), PSIA (Physical Security Interoperability Alliance), to ensure greater interoperability between different platforms and compatibility
- 3D intelligent positioning function
- Power-off memory function: restore PTZ and lens status after reboot
- PoE (802.3af)
- Supports WiFi
- Supports EZVIZ cloud P2P

### Functions

- Detections: intrusion, line crossing, audio exception, motion
- Recording: edge recording, supports Smart search in Smart NVR
- Supports low bit rate, ROI

### Camera Function

- Auto iris, auto focus, auto white balance, backlight compensation, and auto day/night switch
- Minimum Illumination: 0.05 lux @ (f/2.0, AGC on) (color), 0.01 lux @ (f/2.0, AGC on) (B/W)
- Supports 8 privacy masks

### PTZ Functions

- 0 to 350° pan range and 0° to 90° tilt range
- 50°/s pan preset speed and 40°/s tilt preset speed
- 0.1° to 50°/s manual pan speed and 0.1° to 40°/s manual tilt speed
- 300 presets programmable

### Network Functions

- Built-in Web server
- MicroSD card local storage, up to 128 GB
- Supports up to 8 NAS storage; transmit the videos from SD card to the NAS after network resumes
- HTTPS encryption and IEEE 802.1x port-based network access control
- Supports dual-stream; H.264/MJPEG video compression; basic and advanced video configuration; real-time video at 1080p/720p
- Multiple network protocols supported: IPv4/IPv6, TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, FTP, 802.1x, QoS, HTTPS
- 1 audio input and 1 audio output
- 1 alarm input and 1 alarm output, alarm linkage support preset, recording, relay output, upload center, etc.

# DS-2DE2103/2202-DE3/W 720/1080p Network Mini PTZ Dome Camera

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Model	DS-2DE2103-DE3/W		DS-2DE2202-DE3/W
Camera Module			
Image Sensor	1/3" progressive scan CMOS		
Minimum Illumination	f/2.0, AGC on: color; 0.05 lux, B/W: 0.01 lux		
Maximum Image Resolution	1280 (H) x 720 (V)	1920 (H) x 1080 (V)	
Focal Length	3.6 mm to 11 mm, 3x	3.6 mm to 8.6 mm, 2x	
Digital Zoom	16x		
Zoom Speed	Approximately 1s (wide to tele)		
Angle of View	77° to 37° (wide to tele)	77~50 degree (Wide~Tele)	
Aperture Range	f/2.0		
Focus Mode	Auto/Semiautomatic/Manual		
DWDR	Supported		
S/N Ratio	≥52 dB		
Shutter Speed	1/1 to 1/10,000s		
AGC	Auto/Manual		
White Balance	Auto/manual/ATW/indoor/outdoor/daylight lamp/sodium lamp		
Day/Night	IR cut filter		
Privacy Mask	8 privacy masks programmable		
Enhancement	3D DNR, HLC/BLC		
Pan and Tilt			
Range	Pan: 0° to 350°; tilt: 0° to 90°		
Speed	Pan manual speed: 0.1° to 50°/s, pan preset speed: 50°/s Tilt manual speed: 0.1° to 40°/s, tilt preset speed: 40°/s		
Number of Presets	300		
Park Action	Preset		
Scheduled Tasks	Preset/reboot/self test/aux output		
Features			
Detections	Intrusion detection, line crossing detection, audio exception detection, motion detection		
ROI encoding	Support 4 areas with adjustable levels		
Alarm			
Alarm I/O	1/1		
Alarm Triggers	Intrusion detection, line crossing detection, motion detection, audio exception detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, storage exception		
Alarm Actions	Preset, recording, relay output, upload center, upload FTP, e-mail linkage		
Input/Output			
Audio Inputs	1 built-in microphone; 1 audio input (mic/line in), 2 to 2.4 V[p-p]; output impedance: 1K Ω, ±10%		
Audio Output	1 output, line level, impedance: 600 Ω		
Network			
Ethernet	10Base-T/100Base-TX, RJ-45 connector		
Main Stream	50 Hz: 25 fps (1280 × 720); 60 Hz: 30 fps (1280 × 720)	50 Hz: 25 fps (1920 × 1080); 60 Hz: 30 fps (1920 × 1080)	
Sub Stream	50 Hz: 25 fps (704 × 576), 25 fps (352 × 288), 25 fps (320 × 240) 60 Hz: 30 fps (704 × 480), 30 fps (352 × 240), 30 fps (320 × 240)	50 Hz: 25 fps (704 × 576), 25 fps (352 × 288), 25 fps (320 × 240) 60 Hz: 30 fps (704 × 480), 30 fps (352 × 240), 30 fps (320 × 240)	
Image Compression	H.264/ MJPEG		
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722		
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP,IGMP, ICMP, DHCP, PPPoE		
Simultaneous Live View	Up to 20 users		
MiniSD Memory Card	Supports up to 128 GB MicroSD/SDHC/SDXC card. Supports Edge recording.		
User/Host Level	Up to 32 users,3 levels: Administrator, Operator, and User		
Security Measures	User authentication (ID and PW): host authentication (MAC address): IP address filtering		

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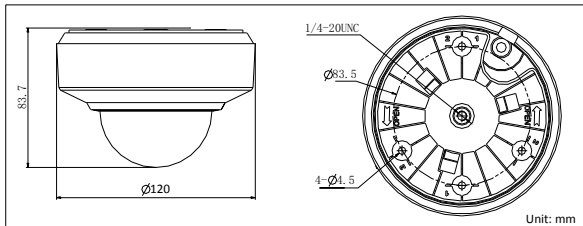
## Wi-Fi Specification

Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz to 2.4835 GHz
Channel Bandwidth	20/40 MHz Support
Protocols	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS
Transmit Output Power	11b: 17 ±1.5 dBm @ 11 Mbps 11g: 14 ±1.5 dBm @ 54 Mbps 11n: 12.5 ±1.5 dBm
Receive Sensitivity	11b: -90 dBm @ 11 Mbps (typical) 11g: -75 dBm @ 54 Mbps (typical) 11n: -74 dBm (typical)
Transfer Rates	11b: 11 Mbps 11g: 54 Mbps 11n: up to 150 Mbps
Wireless Range	50m (depend on environment)
Wireless Standards	IEEE802.11b, 802.11g, 802.11n

## System Integration

Application Programming	Open-ended API, support ONVIF, PSIA, CGI, and Genetec Support EZVIZ cloud P2P
Web Browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+
Power	POE and 12 VDC, Maximum 5.5 W
Working Temperature	-10° C to 50° C (14° F to 122° F) (indoor dome)
Humidity	90% or less
Protection Level	IP54, TVS 4,000 V lightning protection, surge protection and voltage transient protection
Certification	FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN 60950-1
Dimensions	Φ120×83.7 mm
Weight (approximate)	340 g
Mounting Options	Wall mount: DS-1294ZJ, Junction box: DS-1280ZJ-PT3

## Dimensions



## Accessories



DS-1294ZJ  
Wall Mount



DS-1280ZJ-PT3  
Junction box



DS-1100KI  
Network Keyboard



DS-1005KI  
USB Joy-stick

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