

## **DP-12CD2421G0-IW** **2 MP IR Fixed Cube Network Camera**



- 1/2.7" Progressive Scan CMOS
- 1920 × 1080@30fps
- H.265, H.265+, H.264, H.264+
- Two-way Audio

- PIR: 10 m
- IR range: Up to 10 m
- Built-in micro SD/SDHC/SDXC card slot, up to 256 GB
- Wi-Fi (Optional)

## Specifications

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.028 Lux @ (F2.0, AGC ON)
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR Cut Filter
WDR	DWDR
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°
Lens	
Lens Type	Fixed lens, 2.8 mm
Aperture	F2.0
FOV	2 mm: horizontal FOV: 132°, vertical FOV: 77°, diagonal FOV: 153° 2.8 mm: horizontal FOV: 107°, vertical FOV: 57°, diagonal FOV: 126° 4 mm: horizontal FOV: 85°, vertical FOV: 45°, diagonal FOV: 101°
Lens Mount	M12
Illuminator	
IR Range	Up to 10 m
Wavelength	850 nm
PIR	
Angle	Horizontal: 90°, vertical: 80°
Range	10 m
Video	
Max. Resolution	1920 × 1080
Main Stream	50Hz: 25fps (1920 × 1080, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 720)
Sub-Stream	50Hz: 25fps (640 × 360) 60Hz: 30fps (640 × 360)
Video Compression	Main stream: H.265+/H.264+/H.265/H.264 Sub-stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 8 Mbps
Audio	
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)
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz

<b>Smart Feature-Set</b>	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, audible warning
<b>Image</b>	
Image Enhancement	BLC, HLC, 3D DNR
Image Setting	Saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Schedule
SNR	> 50dB
<b>Network</b>	
Network Storage	microSD/SDHC/SDXC card (256 GB) local storage, ANR and NAS (NFS,SMB/CIFS)
Protocols	TCP/IP, ICMP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, IPv6, UDP, QoS, Bonjour
API	ONVIF(PROFILE S,PROFILE G), ISAPI, SDK
Security	Password protection, complicated password, IP address filter, Watermark, HTTPS encryption, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, 802.1X authentication (EAP-MD5)
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users, 3 levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect, iVMS-4500, iVMS-5200
Web Browser	IE8+, Chrome 31.0-44, Firefox30.0-51, Safari8.0+
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	1 input (built-in microphone), 1 output (built-in speaker)
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
<b>Wi-Fi</b>	
Protocol	IEEE802.11b, 802.11g, 802.11n
Frequency	2.4 GHz - 2.4835 GHz
Channel Bandwidth	20/40MHz Support
Modulation	802.11b: DSSS, 802.11g: OFDM, 802.11n(20MHz&40MHz): OFDM
Security	64/128-bit WEP, WPA-EAP/WPA2-EAP, WPA-PSK/WPA2-PSK
Transfer Rate	11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps
Wireless Range	50 meters (The performance varies based on actual environment)
<b>General</b>	
General Function	Anti-flicker, heartbeat, mirror, password protection, privacy mask, flash log
Reset	Reset via reset button on camera body, web browser and client software
Startup and Operating Conditions	-10 °C to 40°C (14 °F to 104 °F), humidity 95% or less (non-condensing)
Storage Conditions	-10 °C to 40°C (14 °F to 104 °F), humidity 95% or less (non-condensing)

Power Supply	<p>DP-12CD2421G0-IW 12 VDC <math>\pm</math> 25%, <math>\Phi</math> 5.5 mm coaxial power plug; PoE (802.3af, class 3)</p> <p>DP-12CD2421G0-IDW 12 VDC <math>\pm</math> 25%, <math>\Phi</math> 5.5 mm coaxial power plug</p> <p>DP-12CD2421G0-I 12 VDC <math>\pm</math> 25%, <math>\Phi</math> 5.5 mm coaxial power plug; PoE (802.3af, class 3)</p>
Power Consumption and Current	<p>DP-12CD2421G0-IW 12 VDC, 0.54 A, max. 6.5 W PoE (802.3af, 36 V to 57 V), 0.21 A to 0.13 A, max. 7.5 W</p> <p>DP-12CD2421G0-IDW 12 VDC, 0.54 A, max. 6.5 W</p> <p>DP-12CD2421G0-I 12 VDC, 0.42 A, max. 5 W PoE (802.3af, 36 V to 57 V), 0.17 A to 0.11 A, max. 6 W</p>
Material	Plastic
Dimensions	<p>Camera: 102.9 <math>\times</math> 65.2 <math>\times</math> 32.6 mm (4" <math>\times</math> 2.6" <math>\times</math> 1.3")</p> <p>With package: 150 <math>\times</math> 125 <math>\times</math> 99 mm (5.9" <math>\times</math> 4.9" <math>\times</math> 3.9")</p>
Weight	<p>Camera: Approx. 120 g (0.3 lb.)</p> <p>With package: Approx. 380 g (0.8 lb.)</p>
<b>Approval</b>	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Chemistry	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)

