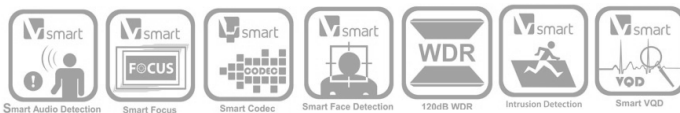


DS-2CD4024FWD Smart IPC Series Indoor Box Camera, 2.1Mp, H.264, Day/Night with ABF



Key Features

- Up to 2.1 Mp (1920 × 1080) @ 30 fps Resolution
- Up to 120dB WDR
- True Day Night, IR Cut Filter
- Up to Three Streams, Scalable H.264 Video Codec
- Auto Back Focus (-A model)
- P-Iris Lens (-P model)
- On-Board Storage, up to 64GB
- Smart Face Detection
- Built-in Smart Video Analysis
- Built-in Smart Audio Analysis
- ROI (Region of Interest)
- EIS (Electronic Image Stabilizer)

Hikvision 4-Line Network Cameras are packed with “**SMART**” surveillance technologies and superior features to fully meet the professional CCTV requirements in bandwidth & storage, image quality and easy & convenience, furthermore, coupling with other back-end devices, Hikvision can provide a full SMART solution in industry. In order to meet some very detail required application, such as cash handling its high framerate (**up to 60fps**) in HD or Full HD resolution, can offer a double detailed supreme image quality.

Low-Bit Stream Transmission : With the advanced codec algorithm, Hikvision 4-line Smart IPC can realize an efficient encoding, and further minimize the system’s load and storage requirement. For example: at a very low bitrate streaming condition, 2Mbps at 720p resolution, 4-line camera could increase the image quality up to 30%

P-Iris : The 4-line Smart IPC box cameras adopt the most advanced iris control technology, P-Iris, that allows to keep an accurate and consistent sharpness and depth of view.

Triple Stream : 3 streams gives much more flexibility to use different data stream for each independent purpose: Main stream: full resolution, Sub stream: low resolution and 3rd stream: flexible choice (full resolution, low or dynamic)

Auto Back Focus : The 4-line camera boasts easier focusing without any need for adjustment in the initial camera set-up and allows users to make further changes to the view by onsite refocusing.

ROI : Based on user-defined ROI (**Region of interest**), camera can decrease a non-ROI’s image quality to save maximum bandwidth and storage, also for having a better image quality of target ROI area under the same bitrate stream condition.

Face Detection : Hikvision face detection technology, can accurately detect the face number, position even face tracking, for further alarm trigger or event recording operation.

Intrusion Detection : Intrusion detection is very useful for defined area protection. when an intruder been detected, alarm or event recording will be directly triggered. With its auto analyze for the intruder’s dimension ratio, the latest algorithm can effectively reduce the false alarm rate.

Audio Detection : Audio detection can analyze intelligently the surrounded sound’s volume, and trigger alarm when it surpass or below the pre-defined volume degree. And the meantime, this function can also filter background noise interference.

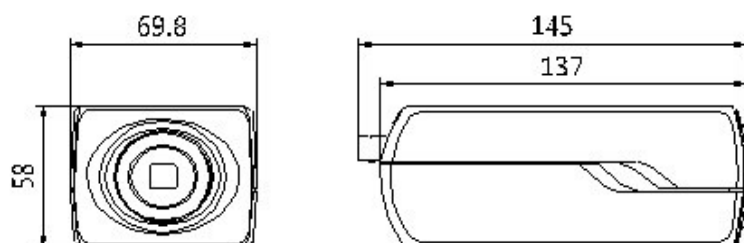
DS-2CD4024FWD Box Camera Technical Specification

Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON) B/W: 0.001 Lux @ (F1.2, AGC ON)
Shutter Speed	1/s to 1/100,000 s
S/N Ratio	50dB
Lens Mount	C/CS mount
Auto-iris	DC drive (-P Model support P Iris)
Day & Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB
Focus	ABF (-A model support ABF)
Video Compression	H.264/MPEG4/MJPEG
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit Rate	32 Kbps – 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Max. Resolution	1920 × 1080
Frame Rate	50Hz: 25fps(1920 × 1080) 25fps (1280 × 960), 25fps (1280 × 720) 60Hz: 30fps (1920 × 1080) 30fps (1280 × 960), 30fps (1280 × 720)
Third Stream	Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1920 × 1080) 60Hz: 30fps (1920 × 1080)
BLC	Support
Smart Defog	Support
Image Setting	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
ROI	Support 4 different areas configuration in all the three streams with adjustable 6 levels. Automatically dynamic tracking with face detection can be configured.
EIS	Support
Privacy Masking	Support, up to 4 areas
Network Storage	NAS
Smart Video Analysis	Intrusion detection, Defocus detection, Motion detection, Face detection, Tampering alarm, Scene change detection, Line Crossing Detection, People Counting
Smart Audio Analysis	High volume detection
Protocols	TCP/IP, ICMP, HTTP, HTTPS (SSL), FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, UDP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Streaming Method	Unicast (up to 20 users), Multicast
Security	User Authentication, Watermark, IP address filtering, Anonymous access
Standard	ONVIF Profile S, PSIA, CGI, ISAPI

DS-2CD4024FWD Box Camera Technical Specification

Audio Input	1-ch 3.5 mm audio interface, Mic in/Line in. 1 built-in Microphone
Audio Output	1-ch 3.5 mm audio interface
Communication Interface	1 RJ45 10M/100M Ethernet port, 1 RS-485 interface and 1 RS-232 interface
Alarm Input	1
Alarm Output	1
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB
Reset Button	Yes
Operating Conditions	-30 °C ≈ 60 °C (-22 °F ≈ 140 °F) Humidity 95% or less (non-condensing)
Power Supply	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)
Power Consumption	Max. 6 W (Max. 9W with IR cut filter on) -W: Max. 7 W (Max. 10W with IR cut filter on)
Dimensions	69.8×58×145 mm (2.68" × 2.56" × 5.70")
Weight	830 g (1.83 lbs)
Certification	CE EN 55022(CLASS B),EN50130-4,EN61000-3-2,EN 61000-3-3,EN60950-1 FCC CFR 47 FCC Part 15 subpart B(CLASS B) C-TICK AS/NZS CISPR 22:2009 (CLASS B) UL&cUL UL 60950-1, CSA C22.2 No. 60950-1-07 RoHS 2011/65/EU REACH No1907/2006 WEEE 2012/19/EU

Dimension



Ordering Information

DS-2CD4024FWD	1/2.8"Progressive Scan CMOS, ICR, Color:0.01Lux/F1.2, B/W:0.001Lux/F1.2, slow shutter, 1920 x 1080:25fps, 120dB WDR, H.264/MJPEG/MPEG4, Triple-Stream, Support SD/SDXC Card up to 64GB, Audio & Alarm I/O, AC24V/DC12V/PoE
DS-2CD4024FWD-A	1/2.8"Progressive Scan CMOS, ICR, Color:0.01Lux/F1.2, B/W:0.001Lux/F1.2, slow shutter, 1920 x 1080:25fps, 120dB WDR, H.264/MJPEG/MPEG4, Triple-Stream, ABF , Support SD/SDXC Card up to 64GB, Audio & Alarm I/O, AC24V/DC12V/PoE
DS-2CD4024FWD-P	1/2.8"Progressive Scan CMOS, ICR, Color:0.01Lux/F1.2, B/W:0.001Lux/F1.2, slow shutter, 1920 x 1080:25fps, 120dB WDR, H.264/MJPEG/MPEG4, Triple-Stream, P IRIS , Support SD/SDXC Card up to 64GB, Audio & Alarm I/O, AC24V/DC12V/PoE
DS-2CD4024FWD-AP	1/2.8"Progressive Scan CMOS, ICR, Color:0.01Lux/F1.2, B/W:0.001Lux/F1.2, slow shutter, 1920 x 1080:25fps, 120dB WDR, H.264/MJPEG/MPEG4, Triple-Stream, ABF, P IRIS , Support SD/SDXC Card up to 64GB, Audio & Alarm I/O, AC24V/DC12V/PoE

Competible Accessories

DS-1212ZJ	Indoor Wall Mount
TV0309D-MPIR	3MP IR Auto-iris & Vari-focal lens
DS-1320HZ	Indoor Camera Housing
DS-1322HZ	Outdoor Camera Housing

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