PCI-D12F6S
AcuSense 2 MP IR Fixed Dome Network Camera

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human or vehicle target classification alarms to front- and back-end devices. The system can greatly reduce false alarms generated by targets other than humans or vehicles, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 1080p @ 60 fps
- Excellent low-light performance with Powered-by-DarkFighter technology
- Efficient H.265+ compression technology
- Clear imaging against strong backlight with 120 dB true WDR technology
- False alarm reduction through human and vehicle target classification based on deep learning
- Advanced streaming technology that enables smooth live view and data self-correcting in poor network conditions
- Water and dust resistant (IP67) and vandal-resistant (IK10)

Specifications

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0.002 Lux @ (f/1.4, AGC on), 0 Lux with IR on
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB
Day/Night	ICR Cut
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Flash Memory	8 GB
RAM	512 MB
Lens	
Lens Mount	M12
Lens Type & FOV	6 mm, horizontal FOV 55°, vertical FOV 29°, diagonal FOV 65°
Aperture	f/1.4
DORI	
DORI	6 mm: D: 86 m, O: 34 m, R: 17 m, I: 8 m
Illuminator	
IR Range	Up to 131 ft (40 m)
Wavelength	850 nm
Video	
Max. Resolution	1920 × 1080
Main Stream	50 Hz: up to 50 fps (1920 × 1080, 1280 × 720) 60 Hz: up to 60 fps (1920 × 1080, 1280 × 720) *High frame rate is supported under certain settings.
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60 Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)
Fourth Stream	50 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60 Hz: 15 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) *Fourth stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 Fourth stream: H.265/H.264/MJPEG
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	Yes
Region of Interest (ROI)	5 fixed regions for main stream and sub-stream

e-PTZ	Support Preset and Patrol settings *Only the fourth stream supports this function.
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32–192 Kbps (MP2L2)/8–320 Kbps (MP3)
Network	
Smooth Streaming	Yes
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1x, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ISUP, ARP
User/Host	Up to 32 users. 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.2, WSSE and digest authentication for Open Network Video Interface, memory card encryption, SFTP encryption, SRTP encryption
Network Storage	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR), FTP ANR
Client	iVMS-4200, Hik-Connect, HikCentral
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view : Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Image	
Day/Night Switch	Day, Night, Auto, Schedule
Target Cropping	Yes
Image Enhancement	BLC, HLC, 3D DNR, EIS, Defog
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or Web browser
Interface	
Alarm	1 input, 1 output (max. 12 VDC, 30 mA)
Audio	1 input (line in), max. input amplitude: 3.3 vpp, input impedance:4.7K Ω, interface type: non-equilibrium; 1 output (line out), max.output amplitude: 2.5 vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 256 GB
Hardware Reset	Yes
Communication Interface	1 RJ-45 10M/100M self-adaptive Ethernet port
Power Output	12 VDC, max. 100 mA (supported by all power supply types)
Event	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)

Smart Event	Unattended baggage detection, object removal detection, scene change detection, audio exception detection, video quality diagnosis
Deep Learning Function	
Face Capture	Yes
Perimeter Protection	Line crossing detection, intrusion detection, region entrance detection, region exiting detection
General	
Linkage Method	Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture
Web Client Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Anti-flicker, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
Storage Conditions	-30° to 60° C (-22° to 140° F), humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30° to 60° C (-22° to 140° F), humidity 95% or less (non-condensing)
Power Supply	12 VDC ±25%, 9 to 15 VDC, two-core terminal block, reverse polarity protection PoE: 802.3af, Type 1, Class 3
Power Consumption and Current	With extra load: 12 VDC, 0.55 A, max. 6.5 W PoE (802.3af, 36 V to 57 V), 0.20 A to 0.15 A, max. 7.5 W, Class 3
Power Interface	Ø5.5 mm coaxial power plug
Camera Dimension	Ø121 mm × 92 mm (Ø4.8" × 3.6")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Camera Weight	Approx. 590 g (1.3 lb)
With Package Weight	Approx. 826 g (1.8 lb)
Approval	
EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2019); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2006+A2:2013, IEC 62368-1:2014+A11:2017); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (SANS IEC60950-1)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	Ingress protection: IP67 (IEC 60529-2013), IK10 (IEC 62262:2002)

Available Model

PCI-D12F6S

Dimensions

Optional Accessories

CM Corner Mount	CB120 Junction Box	PC120+WMS Wall Mount	PM Vertical Pole Mount	SRSM Rain Shade	PC120+CPM Pendant Mount

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