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Overview

IPC-HF5231E-E, Dahua 2MP WDR Box Network Camera, 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS; H.264&H.265 triple-stream encoding; 50/60fps@1080P(1920x1080); Smart Detection supported.

Quick Specs

Table 1 shows the Quick Specs.

Product Code	IPC-HF5231E-E
Image Sensor	1/2.8" 2Megapixel progressive scan CMOS
Effective Pixels	1920(H) x 1080(V)
RAM/ROM	256MB/32MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.004Lux/F1.2(Color,1/3s,30IRE) 0.04Lux/F1.2(Color,1/30s,30IRE) 0.002Lux/F1.2(B/W,1/3s,30IRE) 0.02Lux/F1.2(B/W,1/30s,30IRE)
Casing	Metal
Dimensions	135.4mmx74.4mmx65.5mm (5.33"x2.93"x2.58")

Product Details

The IPC-HF5231E-E provides these features:

- * 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- * H.264&H.265 triple-stream encoding
- * 50/60fps@1080P(1920x1080)
- * Smart Detection supported
- * WDR(120dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC
- * Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- * 2/1 Alarm in/out, 1/1 audio in/out(Built-in Mic)
- * Auto back focus(ABF)
- * Micro SD memory, PoE

Compare to Similar Items

Table 2 shows the comparison.

Product Code	IPC-HF5231E-E	IPC-HF5431E-E
Image Sensor	1/2.8" 2Megapixel progressive scan CMOS	1/3" 4Megapixel progressive CMOS
Effective Pixels	1920(H) x 1080(V)	2688(H)x1520(V)
RAM/ROM	256MB/32MB	512MB/32MB

Minimum Illumination	0.004Lux/F1.2(Color,1/3s,30IRE) 0.04Lux/F1.2(Color,1/30s,30IRE) 0.002Lux/F1.2(B/W,1/3s,30IRE) 0.02Lux/F1.2(B/W,1/30s,30IRE)	0.02Lux/F1.2(Color,1/3s,30IRE) 0.2Lux/F1.2(Color,1/30s,30IRE) 0.01Lux/F1.2(B/W,1/3s,30IRE) 0.1Lux/F1.2(B/W,1/30s,30IRE)
Resolution	1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ VGA(640x480)/CIF(352x288/352x240)	4M(2688x1520)/3M(2304x1296)/ 1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ VGA(640x480)/CIF(352x288/352x240)
Frame Rate	Main Stream: 1080P(1~50/60fps) Sub Stream:D1(1~50/60fps) Third Stream: 1080P(1~25/30fps)	Main Stream: 4M(1~25/30fps) Sub Stream: D1(1~25/30fps) Third Stream: 720P(1~25/30fps)
Power Supply	DC12V, AC24V, PoE(802.3af)(Class 0)	DC12V, AC24V, PoE(802.3af)(Class 0)
Power Consumption	<8W	<8W
Casing	Metal	Metal
Dimensions	135.4mmx74.4mmx65.5mm (5.33"x2.93"x2.58")	135.4mmx74.4mmx65.5mm (5.33"x2.93"x2.58")

Get More Information

Do you have any question about the IPC-HF5231E-E?

Contact us now via [Live Chat](#) or sales@router-switch.com.

Specification

IPC-HF5231E-E Specification	
Camera	
Image Sensor	1/2.8" 2Megapixel progressive scan CMOS
Effective Pixels	1920(H) x 1080(V)
RAM/ROM	256MB/32MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.004Lux/F1.2(Color,1/3s,30IRE) 0.04Lux/F1.2(Color,1/30s,30IRE) 0.002Lux/F1.2(B/W,1/3s,30IRE) 0.02Lux/F1.2(B/W,1/30s,30IRE)
S/N Ratio	More than 50dB
IR Distance	N/A
IR On/Off Control	N/A
IR LEDs	N/A
Lens	
Lens Type	N/A
Mount Type	C/CS
Focal Length	N/A
Max. Aperture	N/A

Angle of View	N/A
Optical Zoom	N/A
Focus Control	N/A
Close Focus Distance	N/A
Pan/Tilt/Rotation Range	
Pan/Tilt/Rotation Range	N/A
Intelligence	
IVS	Tripwire, Intrusion, Object Abandoned/Missing
Advanced Intelligent Functions	Face Detection
Video	
Compression	H.265+/H.265/H.264+/H.264
Streaming Capability	3 Streams
Resolution	1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ VGA(640x480)/CIF(352x288/352x240)
Frame Rate	Main Stream: 1080P(1~50/60fps) Sub Stream:D1(1~50/60fps) Third Stream: 1080P(1~25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 24~9472Kbps H.265: 14~5632Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detetion	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	N/A
Smart IR	N/A
Defog	N/A
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)
Audio	
Compression	G.711a/ G.711Mu/ AAC/ G.726

Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP;FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users/20 Users
Edge Storage	NAS Local PC for instant recording Mirco SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, Easy4ip
Smart Phone	IOS, Android
Certifications	
Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B
Interface	
Video Interface	1 port(BNC,1Vp-p,75Ω)
Audio Interface	1/1 channel In/Out, 1 Built-in Mic
RS485	1 port
Alarm	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC
Electrical	
Power Supply	DC12V, AC24V, PoE(802.3af)(Class 0)
Power Consumption	<8W
Environmental	
Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	N/A
Vandal Resistance	N/A
Construction	
Casing	Metal
Dimensions	135.4mmx74.4mmx65.5mm (5.33"x2.93"x2.58")

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