

HC-IPD5020L-EA



TECHNICAL

SYSTEM OVERVIEW

The IR Megapixel Fixed Dome Camera delivers 5MP Resolution with a Motorized Varifocal lens.

FUNCTIONS

Codec (H.265 & H.264+)

Codec is the optimized implementation of standard video compression (H.265 & H.264) that uses a scene-adaptive encoding strategy, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

True Day/Night

True Day/Night A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens



5MP IR Dome IP Camera

FOR INTERNAL APPLICATION

- 5 Megapixel Upto 25/30fps
- H.265, H.264 and MJPEG Video Compression
- Advanced Smart IR Low Light Performance
- Motorized Varifocal lens 2.7~13.5mm
- Advance WDR Feature
- True Day Night Feature With ICR
- Advance Motion Detection & Privacy Masking
- Support Audio Input/output
- Alarm Input/output & Edge Storage
- Onvif Compliance & Support 3rd Party NVR/VMS
- 12V DC & Power Over Ethernet (IEEE 802.3af)
- IP 66 & IK10 Environmental Housing



TECHNICAL SPECIFICATIONS

CAMERA

Model	HC-IPD5020L-EA
Image Sensor	1/2.8" 5 MP CMOS Sensor
Effective Pixels	2592(H) x 1944(V)
Scanning System	Progressive scanning AGC, Control - Auto
IRIS	Auto Iris
Minimum Illumination	Color 0.03Lux/F1.2, 0 lux IR ON
Lens	Motorized Varifocal lens, 2.7~13.5mm
Shutter Speed	Auto / Manual: 1/25 ~ 1/10,000,
Day & Night	True Day & Night (Removable IR-cut filter)
Wide Dynamic Range	WDR ≥ 100 dB or above
S/N Ratio	50dB

IR ILLUMINATOR

Smart IR	Advanced Smart IR
IR Working Distance	40 meters

VIDEO

Video Compression	H.265, H.264, MJPEG
Profile	Main Profile & High Profile
Video Streams	Dual Stream Supported
FPS Supported	Mainstream: 2592x1944p @ 1-25FPS Sub stream: D1, CIF @ 1-25FPS
Max Resolution	2592 x 1944
Video Bit Rate	100Kbps ~ 12Mbps Multi-rate for Preview and Recording
Bitrate Control	Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth)
Digital Noise Reduction	3D-DNR
White Balance	Auto/Natural/Manual
Gain control	Auto/Natural
Image Parameter	Saturation, brightness, sharpness, contrast, sharpness adjustable through client software or web browser
Image Setting	Mirror/Flip/LSC/CTB/Anti Fogging
Privacy Masking	ON/OFF, 4 zone Configurable
Motion Detection	ON/OFF, 4 Zone Polygon

TECHNICAL SPECIFICATIONS

AUDIO & Alarm

Audio Streaming	Two way
Audio Compression	G.726/G.711A/G.711U
Audio Input/Output	1
External I/O Terminals	1 x Alarm In / 1 x Alarm Out
Event trigger	Manual, Automatic (motion detection, alarm, schedule, cycle)
Event Notification	FTP, E-Mail, SD Card

NETWORK

Ethernet Standard	10 / 100 Base-T
Protocol	TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, SMTP, UPNP
Security	HTTPS(SSL), IP filtering, 802.1x, Digest Authentication
Plug In	ONVIF v2.4
Storage	1x microSD (card not included)

GENERAL

Material	Aluminum Die-casting, White
Housing Environmental Rating	IP66 & IK10 Impact Resistance
Power Source Power	DC12V, PoE (IEEE 802.3af)
Power Consumption	DC12V Max 8.9W, PoE Max 10.3W
Operating Conditions	Humidity 10 ~ 90% RH (non- condensing) [DC12V/PoE] -40°C ~ 55°C
Certifications	

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