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Overview

High quality imaging with 2 MP resolution
 Efficient H.265+ compression technology to save bandwidth and storage
 Clear imaging against strong back light due to DWDR technology
 Water and dust resistant (IP67)
 -V: model with manual vari-focal lens
 -Z: model with motorized vari-focal lens;

Specification

IPC-B620H-Z/-V Specification	
Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @(F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON)
Shutter Speed	1/3 s to 1/100, 000 s, support slow shutter
Slow Shutter	Yes
Wide Dynamic Range	Digital WDR
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotation: 0° to 360°
DNR	3D DNR
Day & Night	IR cut filter
Lens	
Lens	2.8 to 12 mm
Auto-Iris	No
Aperture	F1.6
Focus	-V: Manual-Z: Auto
FOV	Horizontal field of view: 98° to 34° Vertical field of view: 51° to 19° Diagonal field of view: 115° to 40°
Lens Mount	Φ14
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Network	
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflicted, illegal login
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and ANR

Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP™, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users3 levels: Administrator, Operator and User
Client	iVMS-4200, iVMS-4500, iVMS-5200
Web Browser	IE8+, Chrome 31.0-44, Firefox 30.0-51, Safari 8.0+
Video	
Max. Resolution	1920 × 1080
Video Compression	Main stream: H.265/H.264Sub-stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Video Bit Rate	32 Kbps to 8 Mbps
Smart Feature-Set	
Region of Interest	1 fixed region for main stream and sub-stream
Image	
Image Enhancement	BLC, 3D DNR
Image Setting	Saturation, brightness, contrast, sharpness, AGC, white balance adjustable by client software or web browser
Day/Night Switch	Auto, scheduled
Sub-streamMax. Frame Rate	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Video Output	1Vp-p composite output (75 Ω/BNC)
General	
Firmware Version	5.5.2
General Function	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark
Reset	Yes
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity: 95% or less (non-condensing)
Power Supply	12 VDC ± 20%, 5.5 mm coaxial power plugPoE (802.3af, class 3)
Material	Metal
Dimensions	105 mm × 105 mm × 145 mm (4.1" × 4.1" × 5.7")
Weight	Camera: approx. 1015 g (2.2 lb.)With package: approx. 1540 g (3.4 lb.)
Interface Protection	IP67 TVS 2000V lightning protection, surge protection and voltage transient protection

Compression Standard

H.264+	Main stream supports
H.265+	Main stream supports

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