IPC6221-VRZ
2MP Network IR Bullet Camera
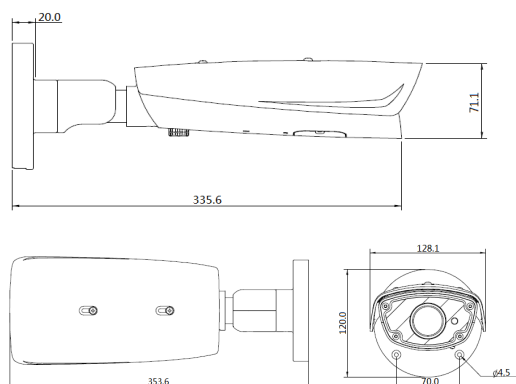
Features

- Intelligent infrared lamp and a maximum infrared radiation distance of 30 meters
- Motorized focus lens, auto focus, one-push focus, synchronism focus
- Corridor mode (aspect ratio 9:16)
- Region of Interest (ROI) encoding
- Defogging function
- Bit rate stream smoothing, Self-adaptive bandwidth, MTU and QoS configuration
- IP address filtering, Streams encrypted through Advanced Encryption Standard (AES) and 802.1x access authentication
- Stream packages and ISP parameter packages for typical scenarios
- Supported schedule tasks of ISP parameter packages
- Ultra wide operating voltage range and ultra wide operating temperature range
- DC, AC and PoE three power
- Dual system backup and much more secure upgrade

Dimension

Unit：mm

Optional Accessories

ACC2208H-P

Technical Specifications

Model Item	IPC6221-VRZ
Camera	
Image sensor	1/2.8" 2.0 megapixel progressive scan CMOS
Effective pixels	1920(H)×1080(V)
Minimum Illumination	Multicolor: 0.01lux (F1.4, AGC ON, 1/30s shutter, 50 IRE, IR off) B/W: 0.003lux (F1.4, AGC ON, 1/30s shutter, 50 IRE, IR off), 0 lux (IR on)
Day/Night mode	Automatic ICR, multicolor, or B/W
Electronic shutter speed	1/16,000s ~ 1/25 (1/30)s
Gain control	Automatic
Backlight compensation	Supported
Wide dynamic range	Supported
White balance	Auto / Manual / Indoor / Outdoor / Fixed Sodium Lamp / Fluorescent / Tungsten
DNR	Self-adaptive to 2D or 3D DNR
Defogging	Supported
Infrared Distance	Maximum 30 meters
Lens	
Lens Mount	Φ14, DC-Iris, Motorized lens, Max Aperture: F1.4
Lens	2.8mm to 12mm , Motorized zoom, Auto focus, OnePush focus, Synchronism focus
Optical Zoom	4.3X
Angle of view	H：33.7°（Wide）~ 91.1°（Tele），V：18.6°（Wide）~ 41.7°（Tele）
Function	
Video encoding format	H.264 Main Profile/Baseline Profile, MJPEG
Video resolution and frame rate	1920×1080, 1280×720, 720×576, 720×480, 352×288, 352×240 (H.264:30fps,25fps, 20fps ~ 1fps; MJPEG: 5fps ~ 1fps)
Video bit rate	100Kbps to 8Mbps
ROI	Supported region of interest (ROI) encoding
Corridor Format	Support aspect ratio 9:16
Multiple encoding	1080p: Encode one channel of primary streams and one channel of secondary streams at the same time; Others: Encode one channel of primary streams and two channels of secondary streams at the same time
Stream packages	Four basic packages and four user-defined packages
ISP parameter packages	Predefined four typical scenarios: Indoor/Outdoor/Action capturing/Low illumination; and eight user-defined scenarios
ISP parameter schedule tasks	Supported schedule tasks of ISP parameter packages
Bit rate type	CBR(Constants Bit Rate), VBR(Variable Bit Rate)
Dynamic bit rate	Supported
Image quality adjustment	H.264: stream control; MJPEG: JPEG quality control
IP address filtering	Blacklist and Whitelist
Communication interface	One RJ-45 10/100 Mbit/s self-adaptive Ethernet port and one RS-485 port (PELCO-P/D protocol)
Alarm interface	2-channel alarm input and 2-channel alarm output (Phoenix connector)
Analog video output	1-channel BNC interface for debugging
Audio encoding format	G.711a/G.711u/G.726
Audio interface	1-channel audio input and 1-channel audio output, 3.5 mm audio port
Voice communication	Voice intercom (a sound pickup is required), voice broadcast, channel-associated voice
Motion detection	Supported
Privacy masks	Supported
Image mirroring	Mirror/Flip/Mirror&Flip
PU access protocol	ONVIF 2.4, HUAWEI SDK
Network protocol	TCP, UDP, IPv4, DHCP, DNS, ICMP, IGMP, HTTP, HTTPS, SFTP, RTP, RTSP, RTCP, SIP, ARP, SSL, NTP, SNMP（V1/V2/V3）, 802.1x, QoS
Stream mode	Unicast and multicast
Concurrent login users	10 (allows users to obtain a maximum of two channels of video streams at the same time)
Local storage	Micro SD cards (configured additionally); A maximum capacity of 32 GB; Supports video buffering, front-end recording
Security mode	User name and password authentication, 802.1x, and PKI digital certificate
Media security	Stream encryption using the AES128/192/256 encryption algorithm
Data transmission optimization	Bit rate stream smoothing, Self-adaptive bandwidth, MTU configuration, QoS configuration
Alarm linkage	When detecting alarms such as motion detection, lens mask, and boolean value input, the system links boolean value output.
Browser	32bit Windows XP + IE8; 32/64bit Windows 7 + IE8/9/10/11; 32/64bit Windows 8 + IE10/11; 32 bit IE only
General Parameter	
Power supply	DC12V ± 25%, DC24V ± 25%, AC24V ± 25%, PoE 802.3at, and the adapter and PoE are hot standby for each other.
Power consumption	Standard consumption: 9.5 W; Maximum consumption: 12.5W
Operating environment	Operating temperature: -40℃ ~ 60℃; Relative humidity:5% to 95% (without condensation)
Weather proof rating	IP66
Net weight	1.4kg
Physical dimensions	353.6×128.1×120.0(H x W x D)(mm)

HUAWEI