IPC415-E120-N

1.3MP HD 16x Network IR Speed Dome Camera

1.3MP Sensor Pixel — IR — H.264 Encoding — Dual Stream — IP66

Features

Excellent Image Quality
- 1.3 Megapixel 1/3" progressive scan CMOS sensor
- High definition and smooth picture, 960p@30fps
- H.264 high profile video codec, saves up to 30% bandwidth and storage
- Low illumination, 0.03lux with color picture
- WDR support / IR automatically adjusts / 3D noise reduction

Long Operation Lifespan
- Industrial IR LED and components, withstands operation temperatures of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
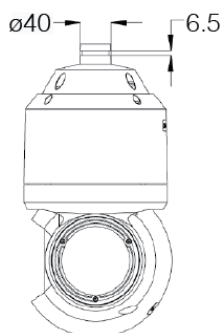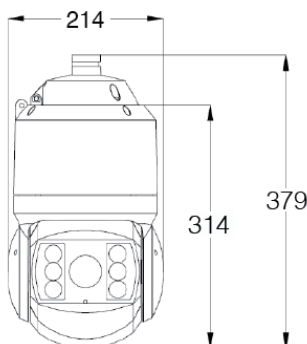
Large Scale
- 16x optical zoom
- IR distance up to 150m

Abundant Functions and Features
- SD card slot, supports Automatic Network Replenishment (ANR)
- Dual-stream (960p+D1)
- Bi-directional audio / alarm in and out

Dimensions

Units: mm

Specifications

	IPC415-E120-N
Camera	
Image Sensor	1/3" progressive scan CMOS
Pixels	1.3 Megapixel
Min. Illumination	Color: 0.03lux @ (F1.6, AGC ON) B/W: 0.003lux @ (F1.6, AGC ON)
Shutter Speed	1/10 ~ 1/10,000s
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Digital WDR
S/N Ratio	>55dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / BLC / WDR
Lens	
Focal Length	6 ~ 96mm, 16x optical
Zoom Speed	Approx 3s (Optical)
Angle of View	56°~ 3.6° (Wide~Tele)
Min. Object Distance	300 ~ 1000mm (Wide~Tele)
Max. Aperture Ratio	F1.5 (Wide) / F3.6 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	6pcs IR LED Array
IR Distance	100 ~ 150m
IR Intensity	Automatically adjust according to zoom ratio
Pan and Tilt	
Pan / Tilt Range	360° Endless / -15° ~ 90° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 175°/s; Pan preset speed: 193°/s Tilt manual speed: 0.1° ~ 130°/s; Tilt preset speed: 160°/s
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples
Preset	255
Patrol	8 Patrols scheme, up to 32 presets per patrol
Pattern Scan	4 Scan paths, each path can record 10 minutes of operation path
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Patrol / Preset / Pattern Scan/ Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Video	
Compression	H.264
Image Resolution	Main stream: 960p Secondary stream: D1
Frame Rate	Main stream: 960p@30fps Secondary stream: D1@30fps
Bitrate	64kbps ~ 8Mbps
Bitrate Control	VBR / CBR
Dual-stream	Supported
Caption	Date and time / Alarm / Customized
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Supported
Digital Noise Reduction	3D noise reduction
Image Flip	Flip / Mirror
Electronic Defog	Supported
Image Flip	Flip / Mirror
Audio	
Compression	G.711a / G.711u / ADPCM / G.722 / AAC-LC
Bitrate	32kbps ~ 64kbps
Audio Function	Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute
Network	
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, IPv4, IPv6 (optional)
User Interface	IPC Control (IE)
Max. User Access	Max. 10 Users (includes 2 internal)
Application Programming	ONVIF (Profile S), GB/T 28181-2011, API, CGI
Automatic Network Replenishment (ANR)	Supported
Alarm	
Alarm Triggers	Motion detection / Alarm input
Alarm Events	Alarm caption / Snapshot / External output
Interfaces	
Ethernet	10/100M, RJ45 interface
Audio In / Out	1 x Line in / 1 x Line out
Alarm In / Out	2 x Input / 1 x Output
Memory Slot	SD card slot, supports up to 128GB
Memory Slot	Built-in EMMC (32G included)
Environmental	
Operating Temperature	-40°C ~ 70°C / -40°F ~ 158°F
Operating Humidity	10% ~ 95%
Protection Level	IP66, TVS 6000V lightning protection, surge protection and voltage transient protection
Electrical	
Power	24V AC / 3A (Power adapter included)
Power Consumption	Max. 45W (IR on)
Mechanical	
Weight	8 kg / 17.6lb (Gross Weight)
Dimensions	Φ214× 379mm / Φ8.43" x 14.92"

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