

IPC425-E220-N

2.0MP HD 20x UltraWDR Network IR Speed Dome Camera

KEDACOM



Features

Excellent Image Quality

- 2.0 Megapixel 1/3" Progressive Scan CMOS Sensor
- High definition and smooth picture, 1080p@60fps
- H.264 high profile video codec, save up to 30% bandwidth and storage
- Low illumination, 0.01Lux with color picture
- 120dB Ultra WDR
- IR automatically adjust
- 3D noise reduction

Long Operation Lifespan

- Industrial IR LED and components, withstand operation temperature of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale

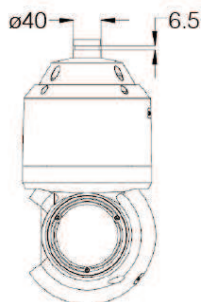
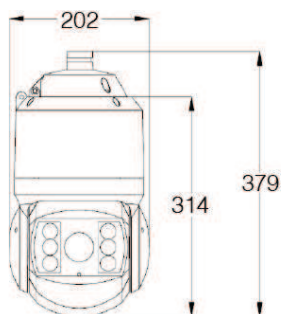
- 20x optical zoom
- IR distance up to 180m

Abundant Functions and Features

- SD card slot, support Automatic Network Replenishment (ANR)
- Up to 4 Multi stream
- Bi-directional audio / alarm in&out / video out / RS485
- Wiper

Dimensions

Units: mm



Specifications

Model	IPC425-E220-N
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Pixels	2.0 Megapixel
Min. Illumination	Color: 0.01Lux @ (F1.5, AGC ON) B/W: 0.001Lux @ (F1.5, AGC ON); 0Lux with IR
Shutter Speed	1/10 ~ 1/10,000S
Day / Night	Auto (ICR) / Color / B/W
Wide Dynamic Range	Ultra WDR, 120dB
S/N Ratio	>55dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / BLC / WDR
Lens	
Focal Length	4.7 ~ 94mm, 20x
Zoom Speed	Approx 3s (Optical)
Angle of View	62°~ 3.7° (Wide~Tele)
Min. Object Distance	300 ~ 1000mm (Wide~Tele)
Max. Aperture Ratio	F1.5 (Wide) / F2.7 (Tele)
Focus Control	Auto / Manual / Semi-Automatic
Infrared	
IR LED	12pcs IR LED Array
IR Distance	120 ~ 180m
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
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Patrol / Preset / Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan
PT Limit	Manual / Scan / Pan
3D Positioning	PTZ control with mouse click and drag
Wiper	Support
Video	
Compression Format	H.264
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@60fps Secondary stream: D1@30fps
Bitrate	64kbps ~ 8Mbps
Bitrate Control	VBR / CBR
Multi stream	Support
Caption	Date&Time / Alarm / 3 customized groups (Support up to 64 characters)
Privacy Masking	Up to 4 zones
Motion Detection	Up to 4 zones
Video Freeze	Support
Digital Noise Reduction	3D noise reduction
Image Flip	Flip / Mirror
Audio	
Compression Format	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 Protocol	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP
User Interface	IPC Control
Max. User Access	10 Users (include 2 internal access)
Application Program	Onvif, GB/T 28181-2011, API
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
Control	1 x RS485
Alarm In / Out	4 x Input / 2 x Output
Video Out	1 x BNC, 1.0V [p-p] / 75Ω
Memory Slot	SD card slot, support 128GB
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	8Kg / 17.6lb (Gross Weight)
Dimensions	Φ202 x 379mm / Φ7.95" x 14.92"