

# IPC427

## 2.0MP Starlight HD 20x Speed Dome Camera



### Features

#### Excellent Image Quality

- 2.0 Megapixel 1/2.8" progressive scan CMOS sensor
- High definition and smooth picture, 1920 x 1080@30fps
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.006lux with color picture
- IR automatically adjusts
- WDR / 3D noise reduction / HLC / BLC

#### Intelligent Functions

- Motion detection / Tampering / Guard line / Enter guard area / Exit guard area

#### Long Operation Lifespan

- Industrial components, withstands operation temperatures of -40°C ~ 70°C
- IP66, TVS 6000V lightning protection, surge protection and voltage transient protection

#### Large Scale

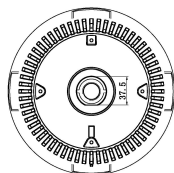
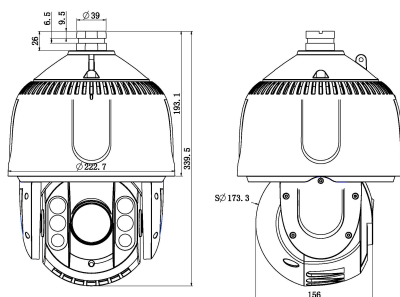
- 20x optical zoom
- IR distance up to 180m

#### Abundant Functions and Features

- Micro SD card optional, supports Automatic Network Replenishment (ANR)
- Up to 3 Multi-stream
- Bi-directional audio / alarm in and out
- Built-in O-sensor
- PoE(-D120-N)

### Dimensions

Units: mm



### Specifications

	IPC427-D020-N	IPC427-D120-N
<b>Camera</b>	IPC427-D020-N	
Image Sensor	1/2.8" progressive scan CMOS	
Pixels	2.0 Megapixel	
Min. Illumination	Color: 0.006lux @ (F2.8, AGC ON) B/W: 0.0005lux @ (F2.8, AGC ON); 0lux with IR	
Shutter Speed	1 ~ 1/30,000s	
Day / Night	Auto (ICR) / Color / B/W	
Wide Dynamic Range	Digital WDR	
S/N Ratio	>57dB	
White Balance	Auto / Manual	
Gain Control	Auto / Manual	
Backlight Compensation	Off / WDR / BLC / HLC	
<b>Lens</b>		
Focal Length	5.2 ~ 100.4mm, 20x optical	
Zoom Speed	Approx. 3s (Optical)	
Angle of View	61° ~ 3.64° (Wide~Tele)	
Min. Object Distance	1000 ~ 1500mm (Wide~Tele)	
Max. Aperture Ratio	F2.8	
Focus Control	Auto / Manual / Semi-Automatic	
<b>Infrared</b>		
IR LED	6 pcs IR LED Array	
IR Distance	120 ~ 180m	
IR Intensity	Automatically adjust according to zoom ratio	
<b>Pan and Tilt</b>		
Pan / Tilt Range	360° Endless / -15° ~ 90° (Auto Flip)	
Pan / Tilt Speed	Pan manual speed: 0.1° ~ 160°/s; Pan preset speed: 160°/s Tilt manual speed: 0.1° ~ 120°/s; Tilt preset speed: 120°/s	
Proportional Zoom	Pan / Tilt speed can be adjusted automatically according to zoom multiples	
Preset	256	
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	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan / PT Limit	
PT Limit	Manual / Scan / Pan	
3D Positioning	PTZ control with mouse click and drag	
Electronic compass	Built-in O-sensor	
<b>Video</b>		
Compression	H.265 / H.264 / MJPEG	
Image Resolution	Main stream: 1080p Secondary stream: 720p	
Frame Rate	Main stream: 1080p@30fps Secondary stream: 720p@30fps	
Bitrate	32~16384kbps	
Bitrate Control	VBR / CBR	
Multi-stream	Supported	
Caption	Date and time / Alarm / Direction / Customized	
Privacy Masking	Up to 4 zones	
Motion Detection	Up to 4 zones	
Video Freeze	Supported	
ROI	Supported	
Digital Noise Reduction	3D noise reduction	
Electronic Defog	Supported	
Image Flip	Flip / Mirror	
<b>Audio</b>		
Compression	G.711a / G.711u / ADPCM / G.722 / AAC-LC / G.722.1c / G.726	
Bitrate	32kbps ~ 64kbps	
Audio Function	Bi-directional audio / AEC / Mixed audio recording / Dumb / Mute	
<b>Network</b>		
Network Protocols	TCP/IP, UDP, HTTP, DHCP, DNS/DDNS, RTP/RTCP, RTSP, PPPoE, FTP, VSIP, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional)	
User Interface	IPC Control (IE, Firefox, Chrome)	
Max. User Access	Max. 10 Users (includes 2 internal)	
Application Programming	ONVIF (Profile S, Profile G), GB/T 28181-2011, API, CGI	
Automatic Network Replenishment (ANR)	Supported	
<b>Alarm</b>		
Alarm Triggers	Alarm input / Network disconnect / Disk full / Disk error	
Intelligent	Motion detection / Tampering / Guard line / Enter guard area / Exit guard area	
Alarm Events	Alarm report / Recording / Text overlay / Snapshot / External output / Email notice / Acoustic alarm	
<b>Interfaces</b>		
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	Built-in SD card (optional), supports up to 128GB	
<b>Environmental</b>		
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	
<b>Electrical</b>		
Power	24V AC / 3A (Power adapter included)	24V AC / 3A (Power adapter not included) / Hi-PoE (PSE module included)
Power Consumption	Max. 35W (IR on)	
<b>Mechanical</b>		
Weight	6.6 kg / 14.55lb (Gross Weight)	
Dimensions	Φ222.7 × 339.5mm / Φ8.77" × 13.35"	