

# IPC442-i405-NP

## 4.0MP Mini Ultra WDR & Starlight Speed Dome Camera



### Features

#### Excellent Image Quality

- 4.0 Megapixel 1/1.8" 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, 0.001lux with color picture
- IR automatically adjusts
- 3D noise reduction / HLC / BLC

#### Intelligent Functions

- Motion detection / Tampering / Guard line / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge

#### Long Operation Lifespan

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

#### Recognitive Functions

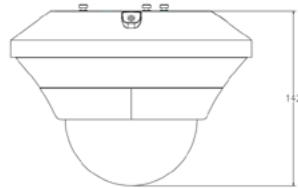
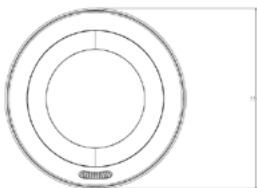
- Target capturing
- Bi-directional people counting
- Built-in picture comparison algorithm, best picture selection

#### Abundant Functions and Features

- Micro SD card, supports Automatic Network Replenishment (ANR)
- Up to 3 Multi-stream
- Bi-directional audio / alarm in and out
- Built-in O-sensor
- PoE
- IP66

### Dimensions

Units:mm



### Specifications

	IPC442-i405-NP
<b>Camera</b>	
Image Sensor	1/1.8" progressive scan CMOS
Pixels	4.0 Megapixel
Min. Illumination	Color: 0.0002Lux @ (F1.5, AGC ON) B/W: 0.0001Lux @ (F1.5, 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	>58dB
White Balance	Auto / Manual
Gain Control	Auto / Manual
Backlight Compensation	Off / WDR / BLC / HLC
<b>Lens</b>	
Focal Length	2.7 ~ 13.5mm, 5x optical, 16x digital
Zoom Speed	Approx 3s (Optical)
Angle of View	108.1° ~ 46.6° (Wide~Tele)
Min. Object Distance	10 ~ 1500mm (Wide~Tele)
Max. Aperture Ratio	F1.5 ~ F2.7
Focus Control	Auto / Manual / Semi-Automatic
<b>Infrared</b>	
IR Distance	30m
IR Intensity	Automatically adjust according to zoom ratio
<b>Pan and Tilt</b>	
Pan / Tilt Range	360° Endless / 0° ~ 90° (Auto Flip)
Pan / Tilt Speed	Pan manual speed: 0.1°~180°/s Tilt manual speed: 0.1°~120°/s
Preset	512
Patrol	8 Patrols scheme, up to 32 presets per patrol
Power-off Memory	Power-off memory / Power-on recovery
Auto Guard	Path / Preset / Mixed / Pan scan / Tilt scan / Frame scan / Random scan / Panorama scan
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
Image Resolution	Main stream: 1080p Secondary stream: D1
Frame Rate	Main stream: 1080p@25fps Secondary stream: D1@25fps
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 / 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>Recognitive Functions</b>	
Target Detection	Person, Face
Captured Picture	Person, Face
Target Tracking	Built-in picture comparison algorithm, best picture selection
People Counting	Support to tracking by face
Alarm	Bi-directional
<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 / Object left / Object removal / Gathering / Audio surge
Alarm Events	Alarm report / Recording / Text overlay / Snapshot / External output / Email notice / Acoustic alarm
<b>Interfaces</b>	
Ethernet	10/100M, RJ45 interface
Control	1 x RS485
Audio In / Out	1 x Line in / 1 x Line out
Alarm In / Out	2 x Input / 1 x Output
Video Out	1 x BNC, 1.0V [p-p] / 75Ω
Memory Slot	SD card, supports up to 256GB
<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	12V DC ± 10% (Power Adapter Not Included) / PoE (802.3at)
Power Consumption	Max. 30W (IR on)
<b>Mechanical</b>	
Weight	2 kg / 4.4lb (Gross Weight)
Dimensions	Φ197 × 142mm / Φ7.76" × 5.59"