

IPC981-T230-NIR

Recognitive 360° Panoramic Vehicle 5G PTZ Camera



Features

Excellent Image Quality

- 6 x 4.0 Megapixel + 1 x 2.0 Megapixel 1/1.8" Progressive Scan CMOS Sensor
- 2 x 180° panoramic stitching
- H.265 video codec, saves up to 50% bandwidth and storage
- Ultra low illumination, 0.0003lux 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
- Object left / Object removal / Gathering / Audio surge
- Auto tracking / Facial recognition / Plate recognition / Offline comparison

Long Operation Lifespan

- Industrial components, withstands operation temperatures of -40°C ~ 70°C
- IP67, TVS 6000V lightning protection, surge protection and voltage transient protection

Large Scale

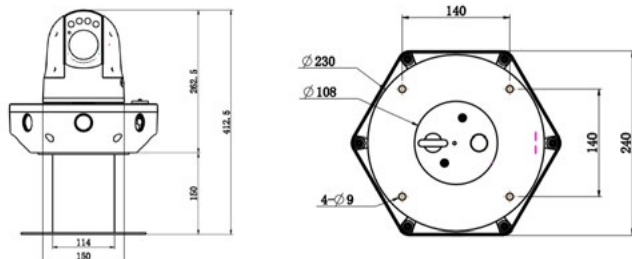
- 40x optical zoom
- IR distance up to 80m

Abundant Functions and Features

- 3 x Micro SD card slots, supports Automatic Network Replenishment (ANR)
- 4G / 5G / Wi-Fi / Blue tooth supported
- Built-in O-sensor
- Built-in GPS module

Dimensions

Units:mm



Specifications

| IPC981-T230-NIR | |
|---------------------------------------|--|
| Panoramic Camera | |
| Image Sensor | 6 x 1/1.8" Progressive Scan CMOS |
| Pixels | 4.0 Megapixel |
| Min. Illumination | Color: 0.0003lux @ (F1.0, AGC ON) B/W: 0.0001lux @ (F1.0, AGC ON); 0lux with IR |
| Shutter Speed | 1 ~ 1/30,000s |
| Day / Night | Auto (ICR) / Color / B/W |
| Wide Dynamic Range | Ultra WDR, >=120dB |
| S/N Ratio | >57dB |
| White Balance | Auto / Manual |
| Gain Control | Auto / Manual |
| Backlight Compensation | Off / WDR / BLC / HLC |
| Focal Length | 5mm |
| Compression | H.265 / H.264 / MJPEG |
| Image Resolution | Main stream: 6000*2160, stitching picture Secondary stream: 2048 x 600 Third stream: 704 x 200 |
| Frame Rate | Main stream: 1 ~ 30fps Secondary stream: 1 ~ 30fps Third stream: 1 ~ 30fps |
| Bitrate | 256 ~ 32768Kbps |
| PTZ Camera | |
| Image Sensor | 1/1.8" progressive scan CMOS |
| Pixels | 2.0 Megapixel |
| Min. Illumination | Color: 0.001lux @ (F1.2, AGC ON) B/W: 0.0005lux @ (F1.2, AGC ON); 0lux with IR |
| Shutter Speed | 1 ~ 1/30,000s |
| Day / Night | Auto (ICR) / Color / B/W |
| Day / Night | Auto (ICR) / Color / B/W |
| Wide Dynamic Range | Ultra WDR, >=120dB |
| S/N Ratio | >57dB |
| White Balance | Auto / Manual |
| Gain Control | Auto / Manual |
| Backlight Compensation | Off / WDR / BLC / HLC |
| Focal Length | 4.3 ~ 172mm, 40x optical |
| Angle of View | 60° ~ 2.4° (Wide~Tele) |
| Min. Object Distance | 300 ~ 1500mm (Wide~Tele) |
| Focus Control | Auto / Manual / Semi-Automatic |
| IR Distance | 40~80m |
| IR Intensity | Automatically adjust according to zoom ratio |
| Compression | H.265 / H.264 / MJPEG |
| Image Resolution | Main stream: 1080P Secondary stream: 1080P Third stream: D1 |
| Frame Rate | Main stream: 1 ~ 60fps Secondary stream: 1 ~ 60fps Third stream: 1 ~ 30fps |
| Bitrate | 32kbps ~ 16Mbps |
| IR Distance | 80 |
| IR Intensity | Automatically adjust according to zoom ratio |
| Pan and Tilt | |
| Pan / Tilt Range | 360° Endless / -15° ~ 90° |
| Pan / Tilt Speed | Pan manual speed: 0.1° ~ 80°/s; Pan preset speed: 120°/s Tilt manual speed: 0.1° ~ 60°/s; Tilt preset speed: 100°/s Pan / Tilt speed can be adjusted automatically according to zoom multiples |
| Proportional Zoom | 256 |
| Patrol | 8 Patrols scheme, up to 32 presets per patrol |
| Pattern Scan | 8 scan paths, each path has 32 presets |
| 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 |
| Audio | |
| Compression | PCMA, PCMU, G.722.1.C, ADPCM, G722.G.726 |
| 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, UPnP, 802.1x, NAT, QoS, SMTP, IPv4, IPv6 (optional) |
| User Interface | IPC Control (IE, Firefox, Chrome) |
| Max. User Access | Max. 20 Users (includes 2 internal) |
| Wireless | 4G / 5G / Wi-Fi / Blue tooth 5G NR: n1 / n41 / n77 / n78 / n79 4G / 5G Frequency Band FDD-LTE: B1 / B3 / B5 / B8 TDD-LTE: B38 / B39 / B40 / B41 Customizable network spectrum |
| Wi-Fi | 802.11ac/b/g/n 2.4G / 5G, Wi-Fi AP |
| Blue Tooth | BT 4.1 |
| Location Technology | GPS / GLONASS |
| Application Programming | ONVIF (Profile S, Profile G), API, CGI |
| Automatic Network Replenishment (ANR) | Supported |
| Alarm | |
| Alarm Triggers | Alarm input / Network disconnect / Disk full / Disk error PTZ Camera: Motion detection / Tampering / Guard line / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge / Facial recognition / Plate recognition (Optional) / Offline comparison Panoramic Camera: Motion detection / Tampering / Guard line / Enter guard area / Exit guard area / Object left / Object removal / Gathering / Audio surge / Auto tracking |
| Alarm Events | Alarm report / Recording / Text overlay / Snapshot / External output / Email notice / Acoustic alarm |
| Interfaces | |
| Ethernet | 10/100M, RJ45 interface |
| GPS | Built-in GPS module |
| Audio In / Out | 1 x Line in / 1 x Line out |
| Memory Slot | 3 x Micro SD card slot, supports up to 256GB / slot |
| Environmental | |
| Operating Temperature | -40°C ~ 70°C / -40°F ~ 158°F |
| Operating Humidity | 10% ~ 95% |
| Protection Level | IP67, TVS 6000V lightning protection, surge protection and voltage transient protection |
| Electrical | |
| Power | DC9 ~ 36V |
| Power Consumption | Max. 36W (IR on) |
| Mechanical | |
| Weight | 7 kg / 15.4lb (Gross Weight) |
| Dimensions | Φ245 x 412.5 mm / Φ9.6" x 16.2" |