



## WiFi Mini PTZ Dome

2 MP 4x Network Camera



- Max. 60 fps @ 720p and 30 fps @ 1080p
- Powerful 4x Optical Zoom
- True WDR
- Intelligent Video System (optional)
- Outdoor Rated IP66
- Vandal Resistant IK10
- WiFi, PoE



Featuring a True Day/Night, 2-megapixel resolution, Pan/Tilt/Zoom (PTZ) camera with a 4x optical zoom lens, this series provides an all-in-one solution for capturing long distance video surveillance for outdoor applications. The series combines a day/night mechanical IR cut filter for the highest image quality for variable lighting conditions during the day.

#### **Functions**

#### True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

#### Wide Dynamic Range

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.











#### Intelligent Video System (IVS)

IVS is a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area. In addition to scene analytics, the camera supports face detection to quickly capture a face and upload the image to a server. The camera also offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

#### **Environmental**

With a temperature range of -30°C to +60°C (-22°F to +140°F) , the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP66 rating makes it suitable for demanding outdoor applications.

#### Protection

Supporting ±25% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 8KV lightning rating provides protectection against the camera and its structure from the effects of lightning.



#### **Technical Specification**

#### Camera

| Image Sensor             | 1/2.7-in. Exmor CMOS   |
|--------------------------|--|
| Effective Pixels         | 1944(H) x 1092(V)  |
| Scanning System          | Progressive  |
| Electronic Shutter Speed | 1/1 s to 1/30,000 s  |
| Minimum Illumination     | Color: 0.05 Lux @ F1.6<br>B/W: 0.005 Lux @ F1.6<br>0 Lux (IR on) |
| S/N Ratio                | More than 50 dB  |
| IR LEDs                  | N/A  |

#### Lens

| Lens Type            | Motorized/ Auto Iris               |  |
|----------------------|------------------------------------|--|
| Mount Type           | Board-in                           |  |
| Focal Length         | 2.7mm to 11.0 mm (4x Optical Zoom) |  |
| Max Aperture         | F1.6 to F2.8                       |  |
| Angle of View        | H: 112.5° to 39°                   |  |
| Focus Control        | Auto / Manual                      |  |
| Close Focus Distance | 100 mm to 1000 mm                  |  |

#### PTZ

| Pan/Tilt Range       | Pan: 0° to 355° endless<br>Tilt: 0° to 90°<br>Auto Flip 180°                        |
|----------------------|---|
| Manual Control Speed | Pan: 0.1° to 100° /s<br>Tilt: 0.1° to 60° /s  |
| Preset Speed         | Pan: 100° /s<br>Tilt: 60° /s  |
| Presets              | 300 (DH-SD)   |
| PTZ Mode             | 8 Tour, Auto Scan   |
| Speed Setup          | Human-oriented focal length/ speed adaptation                                       |
| Power up Action      | Auto restore to previous PTZ and lens status after power failure                    |
| Idle Motion          | Activate Preset/ Scan/ Tour/ Pattern if there is no command in the specified period |
| Time Task            | Auto activation of Preset/ Pan/ Scan/ Tour/<br>Pattern by preset-time               |
| Protocol             | DH-SD, Pelco-P/D (Auto recognition)   |

#### Intelligence

|                | Tripwire, Intrusion, Abandoned Object     |  |
|----------------|---|--|
| IVS (optional) | Detection, Missing Object Detection, Face |  |
|                | Detection                                 |  |

#### Video

| Compression          | H.264 / MJPEG   |  |
|----------------------|---|--|
| Streaming Capability | 3 Streams   |  |
| Resolution           | 1080p (1920 × 1080), 720p (1280 × 720),<br>D1 (704 × 576/704 × 480),<br>CIF (352 × 288/352 × 240) |  |
|                      | Main Stream: 1080p / D1 (1 to 30 fps) or 720p (1 to 60 fps)                                       |  |
|                      | Sub Stream1: D1/CIF (1 to 30 fps)   |  |
|                      | Sub Stream2: 720P/D1/CIF (1 to 30 fps)  |  |
| Bit Rate Control     | CBR / VBR   |  |
| Bit Rate             | H.264: 448 K to 8192 Kbps,<br>MJPEG: 5120 K to 10240 Kbps   |  |
| Day/Night            | Auto (ICR) / Color / B/W  |  |
| BLC Mode             | BLC / HLC / WDR (120dB)   |  |
| White Balance        | Auto, ATW, Indoor, Outdoor, Manual  |  |
| Gain Control         | Auto / Manual   |  |
| Noise Reduction      | Ultra DNR (2D/3D)   |  |
| Motion Detection     | Off / On (4 Zone, Rectangle)  |  |
| Region of Interest   | Off / On (4 Zone)   |  |
| Digital Zoom         | 16x   |  |
| Flip                 | 0°/180°   |  |
| Privacy Masking      | Up to 24 areas  |  |

#### Network

| Ethernet                | RJ-45 (10/100 Base-T)   |  |
|-------------------------|---|--|
| Wi-Fi                   | Wi-Fi (IEEE802.11b/g/n)<br>50 m (open field)  |  |
| Protocol                | IPv4/ IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour, 802.1x         |  |
| Interoperability        | ONVIF, PSIA, CGI  |  |
| Streaming method        | Unicast / Multicast   |  |
| Max. User Access        | 20  |  |
| Edge Storage            | Micro SD (128 GB) Memory Status Display<br>(Normal / Error/ Active / Formatting / Lock), NAS<br>(Network Attached Storage), Local PC for Instant<br>Recording |  |
| Web Viewer              | IE10  |  |
| Management Software     | Smart PSS, DSS  |  |
| Mobile Operating System | Android, los  |  |

# Lite Series | SD22A204TN-GN(I)-W

#### Certifications

|                | FCC (SEFD1505003-A) |  |
|----------------|---------------------|--|
| Certifications | UL (E234884-A67-UL) |  |

#### **Electrical**

| Power Supply      | DC12V, PoE (af Class 0) |
|-------------------|-------------------------|
| Power Consumption | Max. 10 W               |

#### **Environmental**

| Operating Conditions | -30°C ~ +60°C (-22°F ~ +140°F),<br>Less than 90% RH<br>*Initate startup above -35°C (-31°F) |
|----------------------|---|
| Storage Conditions   | -30°C ~ +60°C (-22°F ~ +140°F),<br>Less than 90% RH   |
| Ingress Protection   | IP66  |
| Vandal Resistance    | IK10  |

#### Construction

| Casing       | Metal and Plastic                          |  |
|--------------|--|--|
| Dimensions   | Ф122.0 mm x 89.0 mm (Ф4.80 in. x 3.50 in.) |  |
| Net Weight   | 0.50 kg (1.10 lbs)                         |  |
| Gross Weight | 0.60 kg (1.32 lbs)                         |  |

#### Accessories

#### Optional:







PFB202w Wall Mount

PFA137 Junction Box

PFA152 Pole mount

| Wall Mount   | Pole Mount    |
|--------------|---------------|
| PFB202W      | FB202W+PFA152 |
|              |               |
| CeilingMount |               |
| PFA137       |               |
|              |               |

#### **Ordering Information**

| Туре        | Part Number         | Description                        |
|-------------|---------------------|------------------------------------|
|             | DH-SD22A204TN-GN-W  | 2 MP HD PTZ 4x Zoom, WDR, POE      |
| 2 MP Camera | DH-SD22A204TN-GNI-W | 2 MP HD PTZ 4x Zoom, WDR, POE, IVS |
|             | Power Supply        | DC12V, Optional                    |
| Accessories | PFB202W             | Wall Mount Bracket                 |
|             | PFA137              | Water-proof Junction Box           |
|             | PFA152              | Pole Mount Bracket                 |

### Dimensions (mm/inch)





