

## S-Sight

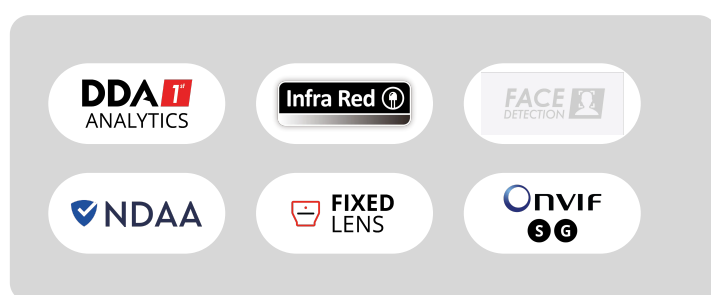
This series simplifies surveillance with high-quality images and enhanced night vision capabilities. Powered by AI (DDA™ Video Analytics) and equipped with Check Point protection for comprehensive monitoring. Choose from rainbow cameras, Motorized Varifocal options, and Anti-Vandal designs for high-security areas.



# FEI-2120IPN

## 12MP Fixed Lens Fish-Eye Camera with IR LED and DDA1 Analytics

Ideal for large open spaces, this 12MP Panoramic Fisheye camera can capture footage at a wide angle of 360°. Fitted with the new "Dual System" technology, the camera can deal with internal anomalies independently, making it more redundant to software-based issues. The camera includes a built-in microphone, Digital WDR, BLC, HLC, and 3D-DNR for poor light conditions. Our Fisheye camera FEI-2120IPN can do the work of multiple fixed focus lens cameras. Check Point Quantum IoT Nano agent is integrated into this model. It provides an advanced threat prevention layer against the common attack vectors at runtime.



## MAIN FEATURES

- FEI-2120IPN 12MP Fixed Lens Fish-Eye Camera with IR LED and DDA1 Analytics
- Sensor: 1/1.7" CMOS (3000 x 3000 – 16:9)
- Resolution: 3000×3000 (1:1) 25/30FPS (12MP)
- Lens: 1.65mm (360° for Ceiling Mount / 180° For Wall Mount)
- True Day&Night – ICR
- Illumination: 15m (4 High-Power IR LEDs)
- Compression: H.265+ / H.264+ / H.265 / H.264 / MJPEG
- Quantum IoT Nano agent by Check Point™
- AI: DDA Human Only in Ceiling Installation: Line Crossing, Sterile Area, Area Entry, Area Exit, Object Counting, Heat Map
- AI: DDA all objects: in Wall/Desktop Installation: Line Crossing, Sterile Area, Area Entry, Area Exit, Object Counting
- Digital WDR, BLC, HLC, ROI
- SD Card: Event/Schedule Record (Up to 256GB)
- Alarm in + Alarm out
- Built-In Microphone + Audio Input + Audio Output
- ONVIF: Profile S/G
- Water Proof: IP67
- Weight: ~530g
- Power: DC12V/~700mA / PoE/~10.5W



## SPECIFICATIONS

| 3rd Party Cyber Protection |                                                                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General                    | Quantum IoT Nano agent by Check Point™                                                                                                                                                                                                           |
| Protection Methods         | Shell injection protection, File Monitor, Import-Table Protection, Dynamic-Memory Protection                                                                                                                                                     |
| NDAA Compliant             |                                                                                                                                                                                                                                                  |
| NDAA Compliant             | Yes                                                                                                                                                                                                                                              |
| Video                      |                                                                                                                                                                                                                                                  |
| Image Sensor               | 1/1.7" CMOS (3000 x 3000 - 16:9)                                                                                                                                                                                                                 |
| Effective Pixels           | 3000x3000 (1:1)                                                                                                                                                                                                                                  |
| Electronic Shutter         | 1/3s ~ 1/100000s                                                                                                                                                                                                                                 |
| Day & Night                | ICR                                                                                                                                                                                                                                              |
| Min. Illumination          | 0.01lux (@F2.0, AGC on) 0lux with IR on                                                                                                                                                                                                          |
| Audio                      |                                                                                                                                                                                                                                                  |
| Audio compression          | G.711A/G.711U                                                                                                                                                                                                                                    |
| Communication              | Two-Way Audio                                                                                                                                                                                                                                    |
| Image                      |                                                                                                                                                                                                                                                  |
| Image Settings             | AWB, AGC Adjustable, Exposure Mode (Auto) Sharpness, Saturation, Brightness & Contrast Adjustable                                                                                                                                                |
| Image Enhancement          | Digital WDR, BLC, HLC, ROI                                                                                                                                                                                                                       |
| Noise Reduction            | 3D-DNR                                                                                                                                                                                                                                           |
| Image Orientation          | 360                                                                                                                                                                                                                                              |
| Privacy Zone               | Yes                                                                                                                                                                                                                                              |
| Events and Analytics       |                                                                                                                                                                                                                                                  |
| Analytics                  | AI: DDA Human Only in Ceiling Installation: Line Crossing, Sterile Area, Area Entry, Area Exit, Object Counting, Heat Map AI: DDA all objects: in Wall/Desktop Installation: Line Crossing, Sterile Area, Area Entry, Area Exit, Object Counting |
| Motion Detection           | Yes                                                                                                                                                                                                                                              |
| Compression                |                                                                                                                                                                                                                                                  |

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|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Resolution</b>        | 12MP(4000x3000), 9MP(3000x3000), 5MP(2160x2160), 2MP(1080x1080) , 960x960, 720x720, 480x480                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Frame Rate</b>        | 1-25/30FPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Video Compression</b> | H.265+ / H.264+ / H.265 / H.264 / MJPEG**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Multi-Stream</b>      | <p>Mode1: Fisheye Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz: 1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz: 1~30fps) Fisheye view (third stream): 960×960/ 640×640/360×360(50Hz: 1~25fps; 60Hz: 1~30fps) Mode2: Panoramic Panoramic view (main stream): 4000×3000/3840×2160/3200×1800/2560×1440 (50Hz:1~20fps; 60Hz:1~20fps) Panoramic view (sub stream): 1920×1080/ 960×540/640×480 (50Hz:1~20fps; 60Hz:1~20fps) Panoramic view (third stream): 1280×720/640×360 (50Hz:1~20fps; 60Hz:1~20fps) Mode 3: Fisheye+Panoramic+3 PTZ Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~15fps; 60Hz:1~15fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~15fps; 60Hz:1~15fps) Fisheye view (third stream): 960×960/ 640×640/360×360 (50Hz: 1~15fps; 60Hz:1~15fps) Panoramic view (main stream): 4000×3000/3840×2160/3200×1800/2560×1440 (50Hz:1~10fps; 60Hz: 1~10fps) Panoramic view (sub stream): 1920×1080/ 960×540/640×480 (50Hz:1~10fps; 60Hz: 1~10fps) Panoramic view (third stream): 1280×720/640×360(50Hz:1~10fps; 60Hz: 1~10fps) 3PTZ view: (1280×720) * 3 (50Hz:1~15fps; 60Hz: 1~15fps) Mode 4 Fisheye+ 4 PTZ Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (third stream): 960×960/ 640×640/360×360 (50Hz: 1~25fps; 60Hz:1~30fps) 4PTZ view : (1280×720) * 4 (50Hz:1~15fps; 60Hz: 1~15fps) Mode5 Fisheye+ 4 PTZ Fusion Fisheye view (main stream): 3000×3000/2160×2160/1080×1080 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (sub stream): 1440×1440/720×720/480×480 (50Hz: 1~25fps; 60Hz:1~30fps) Fisheye view (third stream): 960×960/ 640×640/360×360 (50Hz: 1~25fps; 60Hz:1~30fps) 4PTZ fusion view (main stream): 2560×1440 (50Hz:1~20fps; 60Hz: 1~20fps) 4PTZ fusion view (sub stream): 640×360 (50Hz:1~20fps; 60Hz: 1~20fps)</p> |
| <b>Bit Rate</b>          | 128Kbps ~ 16Mbps@H.265 / 128Kbps ~ 16Mbps@H.264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Encode Mode</b>       | VBR/CBR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Image Quality</b>     | Five levels under VBR; Free adjustment under CBR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

| Lens                        |                                                       |
|-----------------------------|-------------------------------------------------------|
| <b>Lens (Field of View)</b> | 1.65mm (360° for Ceiling Mount / 180° For Wall Mount) |
| <b>Iris</b>                 | Fixed Iris                                            |
| <b>Lens Mount</b>           | M12 Mount                                             |

| Network |  |
|---------|--|
|---------|--|

|                          |                                                                                                     |
|--------------------------|-----------------------------------------------------------------------------------------------------|
| <b>User Access</b>       | Supports simultaneous monitoring of up to 6 users with multi-stream real-time transmission          |
| <b>Network Protocol</b>  | IPv4, IPv6, TCP, UDP, DHCP, NTP, DDNS, 802.1X, RTSP, RTSPS, Multicast, UPnP, Email, FTP, HTTPS, QoS |
| <b>Remote Monitoring</b> | IE Browsing, Ossia VMS Software, Provision Cam2 Mobile App                                          |
| <b>Ethernet</b>          | 100Mbps                                                                                             |
| <b>ONVIF</b>             | Profile S/G                                                                                         |

| <b>Connectivity</b>       |                                                             |
|---------------------------|-------------------------------------------------------------|
| <b>Network</b>            | RJ45 (+PoE)                                                 |
| <b>Audio Connectivity</b> | Built-In Microphone + Audio Input + Audio Output            |
| <b>Alarm</b>              | Alarm in + Alarm out                                        |
| <b>SD Card</b>            | Event/Schedule based Main/Substream recording (Up to 256GB) |
| <b>Wiegand</b>            | N/A                                                         |

| ACCESSORIES         |                              |
|---------------------|------------------------------|
| Analog Video Output | CVBS (BNCx1)                 |
| Housing             |                              |
| PoE                 | Yes                          |
| Illumination        | 15m (4 High-Power LEDs)      |
| Power Supply        | DC12V/~700mA / PoE/~10.5W    |
| Protection Rate     | Water Proof: IP67            |
| Work Environment    | -30°C~60°C, 10%~90% Humidity |
| Bracket             | No                           |
| Dimensions          | Φ130mm×46mm                  |
| Weight (gross)      | ~530g                        |
| Hard Reset Button   | Yes                          |



Wall

optional



PR-WB50



PR-B10EX  
PR-B20EX  
PR-B50EX

Ceiling

optional



PR-CB50



PR-B10EX  
PR-B20EX  
PR-B50EX