

# SCI3322

## Fisheye Camera

### OVERVIEW

The Multiple Streams Ultra High Definition Mini Fish-eye IP Camera is a high resolution surveillance solution features 360° wide coverage without blind spots. Mini fisheye camera supports resolution up to 12 Megapixels streaming at 20 fps which allows the videos to be viewed smoothly. Moreover, the fisheye camera supports digital PTZ, panoramic view and several display modes to fulfill users' needs. With the Compact and Concise design, Mini Fisheye Camera is suitable to apply in many kinds of environment, such as office room, hotel, vehicles, etc.



### KEY FEATURES

- Progressive Scan CMOS Sensor
- Software Dewarping: 12M @ 20FPS
- Edge Dewarping, Up to 4M Resolution Real-Time
- Quad Streams Compression: H.264 Baseline / Main / High Profile + MJPEG
- Multiple Dewarp Display Modes: Digital PTZ / Panorama View / Quad View
- Smart Event Function: Audio Detection / Motion Detection / Network Failure Detection / Tampering Alarm / Periodical Event / Manual Trigger Event
- Multiple and Dynamic Region of Interest (ROI) Windows
- Smart TextOverlay and Privacy Masks
- Wide Dynamic Range
- Day/Night (ICR)
- IR LED Module
- Built-in MIC & Speaker
- 2D/3D Noise Reduction / Color Noise Reduction
- Weatherproof (IP66 International)\*
- MicroSD and NAS Recording Support
- Compact and Concise Design
- ONVIF Support
- IK10

### CAMERA

- Image Sensor  
1/1.7" Sony Progressive CMOS
- Effective Pixels  
12M
- Minimum Illumination  
-Color: TBD  
-B/W:TBD
- Shutter Speed: 1~1/10000 sec.

### LENS

- Lens:  
-Stereo projection: 1/2" Fisheye Lens
- Lens Mounting:  
-M12
- Focal Length:  
-1.55mm
- F Number:  
-f2.0
- FOV:  
-185° @ Full Resolution

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### Operation

- Multiple Languages: English, French, German, Italian, Japanese, Korean, Portuguese, Russian, Simplified Chinese, Spanish, Traditional Chinese.
- Image Setting
  - Backlight Compensation: On/Off
  - White Balance: Manual/AWB/ATW/One Push
  - Noise Reduction: 3DNR/2DNR/Color NR
  - Wide Dynamic Range: On/Off
  - Privacy Mask: On/Off
  - Brightness: Manual
  - Exposure: Auto/Manual
  - Sharpness: Manual
  - Contrast: Manual
  - Saturation: Manual
  - Hue: Manual
  - Digital Zoom: Support
  - Privacy Mask Type: Color
  - ICR: Auto/Night/Day/Smart
  - ICR+IR LED: Auto/LED On/LED Off/Smart IR/Light Sensor
  - IR Threshold: Adjustable Levels
- Event Setting
  - Motion Detection: By Schedule/On/Off
  - Tampering Alarm: By Schedule/On/Off
  - Network Failure Detection: By Schedule/On/Off
  - Audio Detection: On/Off
- Audio
  - Two-way Audio: Built-in Speaker (Max. 2W Mono) & Microphone or Two-way Audio (Line in / Line out)
  - Compression: G.711/G.726/AAC/LPCM
- Event Setting
  - Motion Detection: By Schedule/On/Off
  - Tampering Alarm: By Schedule/On/Off
  - Network Failure Detection: By Schedule/On/Off
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### Network

- Interface: RJ-45, 15 Gbps Ethernet
- Video Compression: MJPEG/H.264 (MPEG-4 Part 10/AVC) Baseline/Main Profile/High Profile/SVC
- Video Streaming:
  - Edge Dewarping:
    - Dual Streaming
      - H.264 4M(2048x2048) @20 fps + H.264 1080P @20fps
      - H.264 1.98M (1408 x 1408) @25/30fps + H.264 1080P @25/30fps
    - SW Dewarping:
      - Single Streaming:
        - H.264 12M (4000 x 3000) @ 20 fps
        - H.264 4K (3840 x 2160) @ 30 fps
        - H.264 / MJPEG 1080p @ 50/60fps
      - Dual Streaming:
        - H.264 4K (3840 x 2160) @ 20 fps + 1080p @ 25/30 fps
        - H.264 1080p @ 50/60 fps + H.264 1080p @ 25/30 fps
      - Quad Streaming:
        - PAL: H.264 1080P @ 50fps + H.264 1080P @ 50fps + H.264 VGA @ 50fps + H.264 CIF @ 50fps
        - NTSC: H.264 1080P @ 60fps + H.264 SXGA @ 60fps + H.264 D1 @ 60fps + H.264 CIF @ 60fps
  - Video Resolution:
    - Edge Dewarping:
      - H.264 - 2048x2048 / 2688x1520 / 2048x1536 / 1920x1080 / 1600x1200 / 1408x1408 / 960x960 / 960x720 / 960x554
      - MJPEG - 1920x1080 / 1600x1200 / 1408x1408 / 960x960 / 960x720 / 960x554
    - SW Dewarping:
      - H.264 - 12M (4000 x 3000) / 6M (3072 x 2048) / Full HD 1080p / SXGA / HD 720p / XGA / SVGA / D1 / VGA / CIF / QVGA
      - MJPEG - Full HD 1080p / SXGA / 720P / XGA / SVGA / D1 / VGA / CIF / QVGA
  - Video Windows under ePTZ: 4
  - Video Dewrap Engine: Edge Embedded (Camera Side)
  - Video Analytic Engine: Edge Embedded (Camera Side)

- Video Analytic Engine: Edge Embedded (Camera Side)
- Protocol: ARP, IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF
- Security: HTTPS / IP Filter / IEEE 802.1X
- Alarm:
  - Input: 1 Set, 5V 10kΩ pull up
  - Output: 1 Set, Photo Relay Output 300V DC/AC
- Event Notification: HTTP / FTP / SMTP
- Micro SD: microSDXC 64GB support
- Supported Web Browser: Internet Explorer (6.0+) / Chrome / Firefox / Safari
- User Account: 20
- Password Levels: User and Administrator

### Mechanical

- Built-in IR Illuminator:
  - Working Distance: 5m
  - Wavelength: 850nm
  - Number of LEDs: 4
- Connectors:
  - Alarm & Audio: 7 Pin Terminal block
  - Power: 2 Pin Terminal Block
  - Ethernet: RJ-45

### All-in-one (Outdoor)

- Audio I/O: Line in / Line Out
- Alarm: 4 Pin Terminal Block
- Power: 2 Pin Terminal Block / GND

### General

- Temperature: -10°C ~ 50°C (14° ~ 122°F)
- Humidity: 10% ~ 90%, No Condensation
- Weatherproof Standard: IP66
- Dimension: ∅ 117 x 42.7 mm (∅ 4.6 x 1.68 in.)
- Weight: 330g
- Power Source: DC 12V / PoE
- Power Consumption:
  - POE: 9W
  - DC12V: 10W
- Regulatory : CE / FCC / RoHS