# CAM2331P

## Full HD P-Iris Day&Night Network Camera

- 2 Megapixel SONY Exmor Sensor
- Full HD & Real Time Network Camera
- Up to 1920 x 1080 Video Resolution
- H.264/MPEG4/MJPEG 2 Simultaneous Video Streams
- Surveon Video Intelligent Ready
- MicroSD/SDHC Local Storage for Alarm Capture
- Power over Ethernet (IEEE 802.3af )
- Support P-Iris & Day/Night IR-Cut Filter
- Built in Advanced ISP (WDR, HLC, 2D NR, DEFOG)

| MEGA Megapixel | 16:9 16:9 | SONY Low Light Sensor | WDR | S1 S2 Dual Stream | Video Intelligent | Two Way Audio | Local Storage |

| PoE | FUll HD 1080P FUll HD | D/N | Defog | 3D Noise Reduction | High Light Compensation | ISP Advanced ISP |

**3 Year Warranty**

## Product Specification

### Camera

| | |
|---|---|
| Image Sensor | 1/2.8" 2 megapixel SONY Exmor CMOS |
| Lens | 3.1-8mm P-Iris Lens, F1.2 (CS mount) |
| SNR | 48dB |
| WDR | Yes |
| Day/Night ICR | Yes |
| IR LED | N/A |
| Min Illumination | 0.005 Lux @ F1.2 (B/W) 0.05 Lux @ F1.2 (Color) |
| Iris Control | P-Iris |
| Shutter time | 1/30 ~ 1/50,000 s |
| Viewing Angle | Diagonal: 123.1°~ 48.3° Horizontal: 105.4°~ 42.2° Vertical: 57.9° ~ 23.8° |
| Camera Angle Adjustment | N/A |
| Pan/Tilt/Zoom Functionalities | N/A |

### Video

| | |
|---|---|
| Video Compression | H.264/MPEG-4/MJPEG |
| Resolution | Up to 1920 x 1080 |
| Frame Rate | 30 fps at 1080P (1920 x 1080) 30 fps at SXGA (1280 x 1024) 30 fps at HD720 (1280 x 720) 30 fps at D1 (720 x 480) 30 fps at VGA (640 x 480) 30 fps at QVGA (320 x 240) |
| Video Stream | Dual stream at H.264, MPEG-4, and MJPEG simulataneously |
| Bit Rate | 64K ~ 10Mbps, VBR, CBR, controller frame rate and quality |
| Video Control | AGC (Auto Gain Control), AWB (Auto White Balance), AES (Auto Electronic Shutter), BLC (Back Light Compensation), HLC (High Light Compensation), 2D Noise Reduction, DEFOG, image adjustment |
| Intelligent video | Motion detection, tampering detection (blocked, redirected, defocused, or spray-painted) |
| Video Jack | Yes (BNC) |

### Audio

| | |
|---|---|
| Built-in MIC | N/A |
| Audio Compression | 16KHz, ADPCM/G.711 |
| Audio Input/ Output | 3.5mm phone jack |

### I/O and Event Management

| | |
|---|---|
| Alarm In | 1, terminal block |
| Alarm Out | 1, terminal block |
| Video Buffer | 5 second pre-alarm, 30 second post-alarm |
| Event Action | Send snapshot or video clip by FTP or email, record to NAS, record to local storage, trigger DO |

### Network

| | |
|---|---|
| Supported Protocols | IPv4, ARP, TCP, UDP, ICMP, IGMP, DHCP, NTP, DDNS, SMTP, FTP, HTTP, CIFS, PPPoE, UPnP, RTP, RTSP, RTCP, 3GPP |
| Ethernet | 10/100 Base-T / RJ45 |

### System

| | |
|---|---|
| Local Storage | microSD/SDHC x 1 (Class 4/Class 6 only) |
| RS-485 | 1 (2 pin on terminal block) |
| USB | N/A |
| SDK | Surveon SDK 2.0 |

### Viewing System

| | |
|---|---|
| OS | Microsoft Windows XP/Vista/7 |
| Browser | Microsoft IE 6.0 or above |
| Software | Surveon VMS 2.4.7 |

### General

| | |
|---|---|
| Temperature | Operation: -10°C~ 50°C (14°F~122°F) Storage: -30°C ~ 60°C (-22°F~140°F) |
| Humidity | 5 to 90% |
| Power | 12VDC 1.5A PoE (IEEE 802.3af) with Class 3 |
| Power Consumption | Max. 7W |
| Dimension | 74.95mm x 59.3mm x 153.5mm (2.95" x 2.34" x 6.04") |
| Weight | Net: 435g (0.96 lb) Gross: 1085g (2.4 lb) |
| Certification | Safety: LVD EMC: FCC, CE, GOST, KCC |
| Warranty | 3 years |

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Full HD P-Iris Day&Night
Network Camera

## Part Names and Functions

Front View
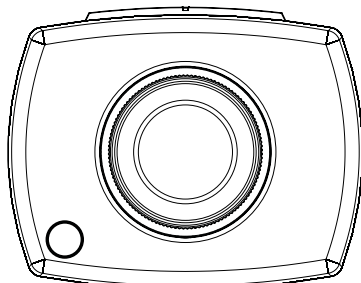
Rear View
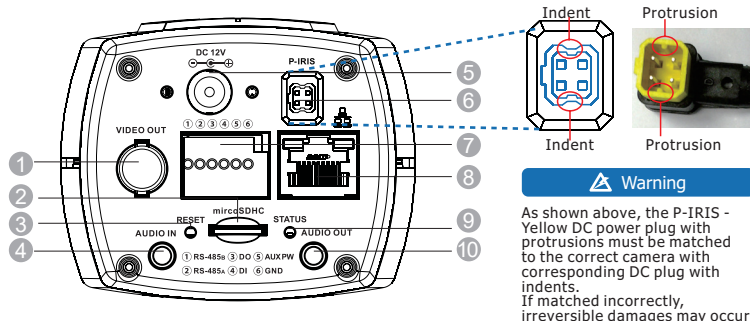


| 1 | Video out | 6 | P-Iris Connector |
|---|---|---|---|
| 2 | microSDHC slots | 7 | I/O terminal connectors |
| 3 | Reset button | 8 | Network connector |
| 4 | Audio in | 9 | Status indicator |
| 5 | Power connector | 10 | Audio out |

**⚠ Warning**

As shown above, the P-IRIS - Yellow DC power plug with protrusions must be matched to the correct camera with corresponding DC plug with indents.
If matched incorrectly, irreversible damages may occur!

## Appearance

Unit:mm(inches)

74.95 (2.95")

153.5 (6.04")

153.5 (6.04")

89.5 (3.52")

59.3 (2.34")

59.3 (2.34")
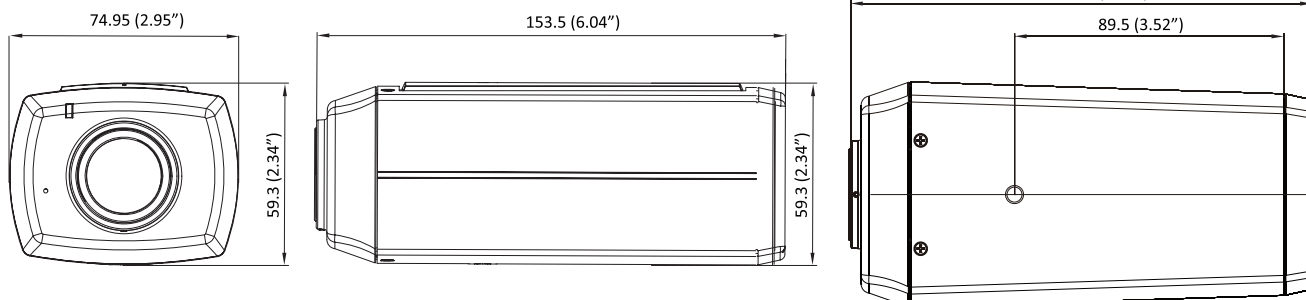


## Package Content

| Contents | Quantity |
|---|---|
| Quick Installation Guide | 1 |
| Product DVD | 1 |
| CAM2331P | 1 |
| Camera Stand | 1 |
| Decoration Ring | 1 |
| L Type Hexagon Spanner | 1 |

## Ordering Information

| Part Number | Description |
|---|---|
| CAM2331P-0055 | Full HD P-Iris day&night network camera with P-Iris lens |

## Optional Accessories

| Part Number | Description |
|---|---|
| ZPWR18W-0030 | Power Adapter |

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