

# WV-X8570N

4 x 4K(33MP) iA H.265 Multi-Directional Camera

## i-PRO Extreme H.265 Multi-Directional Camera

The WV-X8570N captures the highest quality images in even very challenging and dynamic environments.



- 4 x 4K(33MP) 3840x2160 up to 15fps
- iA (intelligent Auto)
- Super Dynamic 108dB
- Color night vision (0.008 to 0.12 lx)
- H.265 Smart Coding
- ClearSight Coating
- Wide range tilt angle adjustment mechanism



# SPECIFICATIONS

| Camera                       |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                 | 1/1.8 type CMOS image sensor                                                                                                                                                                                                                                                                                                                                                                                                 |
| Minimum Illumination         | Color : 0.12 lx, BW : 0.05 lx<br>(F1.6, Maximum shutter : Off (1/30s), AGC : 11)<br>Color : 0.008 lx, BW : 0.003 lx<br>(F1.6, Maximum shutter : max. 16/30s, AGC : 11)                                                                                                                                                                                                                                                       |
| Intelligent Auto             | On / Off                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Maximum Shutter              | Max.1/10000s to Max.16/30s                                                                                                                                                                                                                                                                                                                                                                                                   |
| Super Dynamic                | On / Off, the level can be set in the range of 0 to 31.                                                                                                                                                                                                                                                                                                                                                                      |
| Dynamic Range                | Max.108 dB typ. (Super Dynamic : On, level : 31)                                                                                                                                                                                                                                                                                                                                                                             |
| Image Settings               | Gain (AGC), White balance                                                                                                                                                                                                                                                                                                                                                                                                    |
| Image Compensation           | Adaptive black stretch, Back light compensation (BLC),<br>High light compensation (HLC), Fog compensation,<br>Digital noise reduction                                                                                                                                                                                                                                                                                        |
| Color/BW (ICR)               | Off / On / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)                                                                                                                                                                                                                                                                                                                                                                   |
| Video Motion Detection (VMD) | On / Off, 4 areas available                                                                                                                                                                                                                                                                                                                                                                                                  |
| Privacy Zone                 | On / Off (up to 8 zones available)                                                                                                                                                                                                                                                                                                                                                                                           |
| Upside-down                  | On / Off                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Camera Title (OSD)           | On / Off, Up to 20 characters (alphanumeric characters, marks)                                                                                                                                                                                                                                                                                                                                                               |
| Adjusting angle              | Camera 1, 2, 3:<br>Horizontal (PAN) angle : 360 °<br>Vertical (TILT) angle : +30 ° to + 80 °<br>Azimuth (YAW) angle : ±50 °<br>Camera 4:<br>Horizontal (PAN) angle : 360 °<br>Vertical (TILT) angle : -15 ° to + 80 °<br>Azimuth (YAW) angle : ±50 °<br>*The above is the adjustable range of a single camera.<br>The adjustable range of each camera varies according to<br>the positional relationship with other cameras. |
| Lens                         |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Zoom Ratio                   | 1 x Optical                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Digital (electronic) zoom    | Choose from 3 levels of x1, x2, x4                                                                                                                                                                                                                                                                                                                                                                                           |
| Focal length                 | 4.6 mm {3/16 inches}                                                                                                                                                                                                                                                                                                                                                                                                         |
| Maximum Aperture Ratio       | 1 : 1.6                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Focusing Range               | 3.0 m {9.84 feet} – ∞                                                                                                                                                                                                                                                                                                                                                                                                        |
| Angular Field of View        | Horizontal : 97° Vertical : 53°                                                                                                                                                                                                                                                                                                                                                                                              |
| Browser GUI                  |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Camera Control               | Brightness, AUX On / Off                                                                                                                                                                                                                                                                                                                                                                                                     |
| Audio                        | Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High                                                                                                                                                                                                                                                                                                                                                          |
| GUI / Setup Menu Language    | English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese                                                                                                                                                                                                                                                                                                                                            |
| Network                      |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Network IF                   | 10Base-T / 100Base-TX, RJ45 connector                                                                                                                                                                                                                                                                                                                                                                                        |

|                                   |                                                                                                                                                                                                                                                                                                         |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution                        | [16:9 mode*] *Cannot be changed.<br>3840 x 2160 / 2560 x 1440 / 1280 x 720 / 640 x 360 / 320 x 180                                                                                                                                                                                                      |
| H.265/H.264                       | [Transmission Mode]<br>Constant bit rate / VBR / Frame rate / Best effort<br>[Transmission Type]<br>Unicast / Multicast                                                                                                                                                                                 |
| JPEG                              | [Image Quality]<br>10 steps                                                                                                                                                                                                                                                                             |
| Smart Coding                      | GOP (Group of pictures) control :<br>On (Frame rate control)* / On (Advanced)* / On (Mid) / On (Low) / Off<br>*On (Frame rate control) and On (Advanced) are only available with H.265.<br>Auto VIQS : On / Off                                                                                         |
| Audio Compression                 | G.726 (ADPCM) : 16 kbps / 32 kbps<br>G.711 : 64 kbps<br>AAC-LC : 64 kbps / 96 kbps / 128 kbps                                                                                                                                                                                                           |
| Supported Protocol                | IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP (Server), SMTP, DNS, NTP,<br>SNMP, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ<br>IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP,<br>FTP (Server), SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP,<br>IGMP, ICMP, ARP, IEEE 802.1X, DiffServ            |
| No. of Simultaneous Users         | Up to 24 users<br>(Depends on network conditions)                                                                                                                                                                                                                                                       |
| SDXC/SDHC/SD Memory Card (Option) | H.265 / H.264 recording :<br>Manual REC / Alarm REC (Pre/Post) / Schedule REC /<br>Backup upon network failure<br>Compatible SDXC/SDHC/SD card :<br>Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB**, 128 GB**,<br>256 GB**model<br>*SDHC card, ** SDXC card (except miniSD card and microSD card) |
| Mobile Terminal Compatibility     | iPad / iPhone, Android™ terminals                                                                                                                                                                                                                                                                       |

## Alarm

|               |                                                                                                                                           |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm Source  | 3 terminals input, VMD alarm, Command alarm                                                                                               |
| Alarm Actions | SDXC/SDHC/SD memory recording, E-mail notification,<br>HTTP alarm notification, Indication on browser,<br>Panasonic alarm protocol output |

## Input/Output

|                        |                                                                                                                                                                                                                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio input            | <p>ø3.5 mm stereo mini jack (Audio input is stereo)</p> <p>For microphone input : Recommended applicable microphone: Plug-in power type<br/>(Sensitivity of microphone : -48 dB±3 dB (0 dB=1 V/Pa, 1 kHz))<br/>Input impedance : Approx. 2 k (unbalanced)<br/>Supply voltage : 4.0 V ±0.5 V</p> <p>For line input : Input level : Approx. -10 dBV</p> |
| External I/O Terminals | ALARM IN 1(Alarm input 1/ Black & white input/ Auto time adjustment input) (x1),<br>ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1),<br>ALARM IN 3 (Alarm input 3/ ALARM OUT/ AUX OUT) (x1)                                                                                                                                                                |

## General

|                                    |                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------|
| Safety                             | UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1                                    |
| EMC                                | FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55024                                   |
| Power Source and Power Consumption | PoE (IEEE802.3af compliant) Device :<br>DC 48 V 265 mA/Approx. 12.95 W (Class 0 device)        |
| Ambient Operating Temperature      | -40 °C to +60 °C {-40 °F to +140 °F}<br>{Power On range : -20 °C to +60 °C (-4 °F to +140 °F)} |
| Ambient Operating Humidity         | 10 to 100 % (no condensation)                                                                  |
| Dehumidification Device            | Rosahl element                                                                                 |
| Water and Dust Resistance          | IP66 (IEC60529), Type 4X (UL50E), NEMA 4X compliant                                            |
| Shock Resistance                   | IK10 (IEC62262)                                                                                |

|                |                                                                                                                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions     | When using the attachment plate only :<br>ø230 mm x 196 mm (H) {ø9-1/16 inches x 7-23/32 inches (H)},<br>Dome radius 80 mm {3-5/32 inches}<br>When using the base bracket :<br>ø230 mm x 232 mm (H) {ø9-1/16 inches x 9-1/8 inches (H)},<br>Dome radius 80 mm {3-5/32 inches} |
| Mass (Approx.) | When using the attachment plate only : Approx. 2.8 kg {6.17 lbs}<br>When using the base bracket : Approx. 3.3 kg {7.28 lbs}                                                                                                                                                   |
| Finish         | Main body : Aluminum die cast, Light gray,<br>Outer fixing screws : Stainless steel (Corrosion-resistant treatment)<br>Dome cover : Polycarbonate resin (with ClearSight coating), Clear                                                                                      |

## NOTES

### Important

- Safety Precautions : Carefully read the Basic Information, Installation Guide and Operating Instructions before using this product.
- i-PRO Co., Ltd. cannot be held responsible for the performance of the network and/or other manufacturers' products used on the network.
- Masses and dimensions are approximate.
- Specifications are subject to change without notice.

### Trademarks and registered trademarks

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# OPTIONAL ACCESSORIES

Select a compatible accessory  
[Accessory Selector \(i-pro.com\)](#).



WV-Q187  
Mount Bracket



WV-Q185  
Mount Bracket



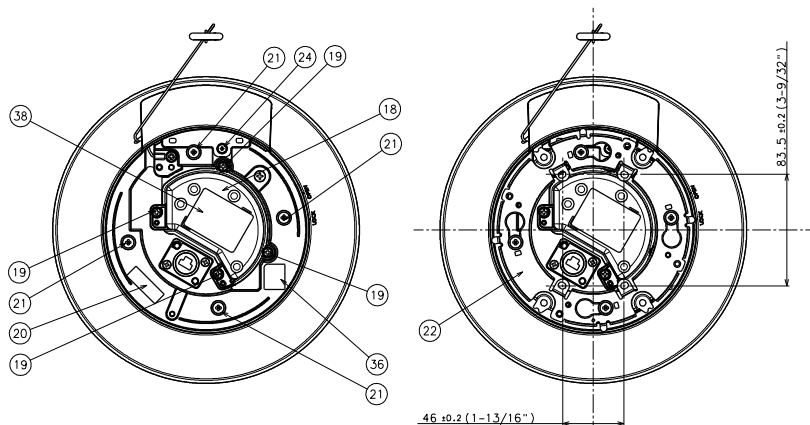
WV-Q182  
Mount Bracket



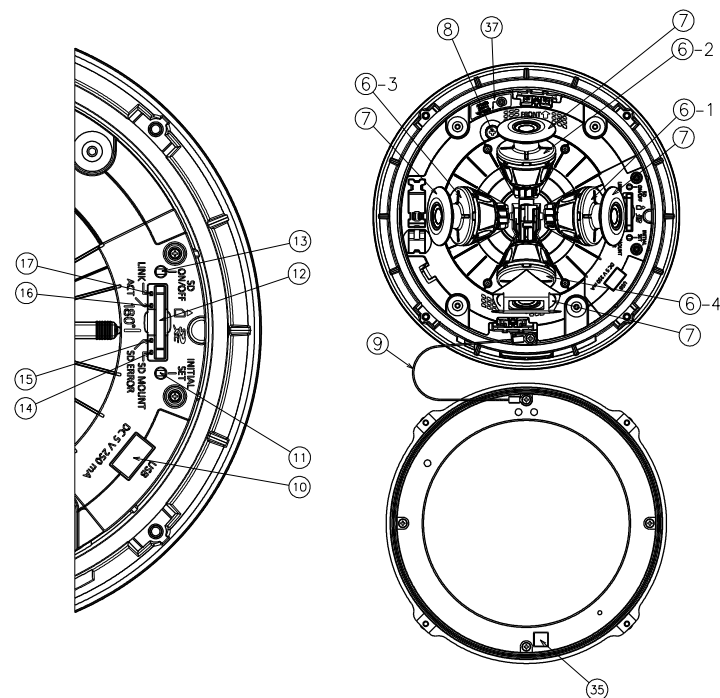
WV-Q183  
Mount Bracket



WV-Q178  
Mount Bracket

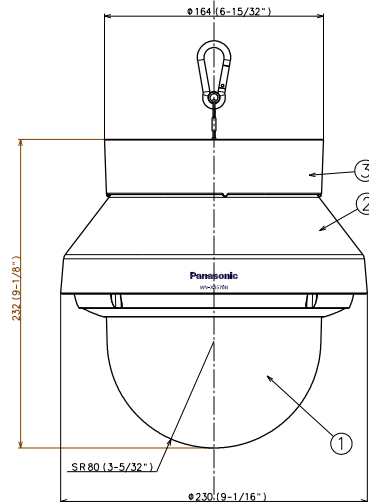


<With Attachment plate>

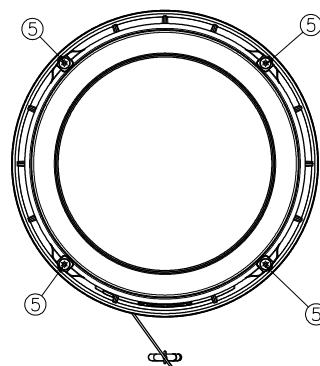


|                | 投影机/Projected area   |                        |
|----------------|----------------------|------------------------|
|                | (With Base bracket)  | (Without Base bracket) |
| 正面图/Front-view | 0.038 m <sup>2</sup> | 0.032 m <sup>2</sup>   |
| 侧面图/Side-view  |                      |                        |
| 平面图/Top-view   | 0.041 m <sup>2</sup> |                        |

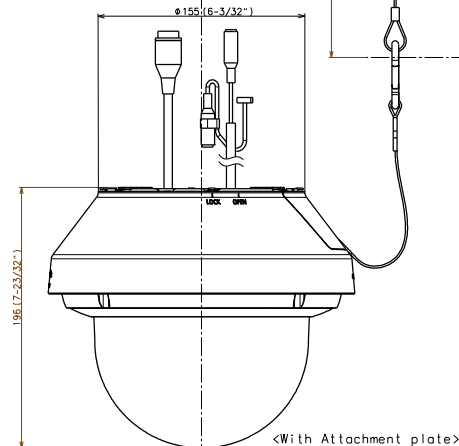
| No. | 品名             | Part Name                     | Material          | Process-Remark                |
|-----|----------------|-------------------------------|-------------------|-------------------------------|
| 1   | トーチカー          | Dome cover                    | PC(Clear)         | Clear/Sight coating           |
| 2   | 下板             | Lower cover                   | Aluminum die cast | Coating (Light Gray)・Printing |
| 3   | ベース            | Base bracket                  | Aluminum die cast | Coating (Light Gray)          |
| 4   | 雌ねじM4×10φ      | Female thread for the conduit | PA                | Coating (Light Gray)          |
| 5   | トーチカー固定ねじ      | Dome cover fixing screw       | Stainless Steel   | Corrosion-resistant treatment |
| 6-1 | カメラユニット 1      | Camera unit 1                 |                   |                               |
| 6-2 | カメラユニット 2      | Camera unit 2                 |                   |                               |
| 6-3 | カメラユニット 3      | Camera unit 3                 |                   |                               |
| 6-4 | カメラユニット 4      | Camera unit 4                 |                   |                               |
| 7   | 遮光ゴム           | Light-blocking rubber ring    | Si/Con rubber     |                               |
| 8   | カメラ固定ねじ        | Camera fixing screw           | Stainless Steel   | Corrosion-resistant treatment |
| 9   | 補助電源ケーブル       | Auxiliary wire                | Stainless Steel   |                               |
| 10  | USB端子          | USB terminal                  |                   |                               |
| 11  | INITIAL SETボタン | INITIAL SET button            |                   |                               |
| 12  | SDカード          | SD slot                       |                   |                               |
| 13  | SD ON/OFFボタン   | SD ON/OFF button              |                   |                               |
| 14  | SD MOUNTランプ    | SD MOUNT indicator            |                   |                               |
| 15  | SD ERRORランプ    | SD ERROR indicator            |                   |                               |
| 16  | ACTランプ         | ACT indicator                 |                   |                               |
| 17  | LINKランプ        | LINK indicator                |                   |                               |
| 18  | ケーブルカバー        | Cable cover                   | PC                | Black                         |
| 19  | ケーブルカー固定ねじ     | Cable cover fixing screw      | Stainless Steel   | Corrosion-resistant treatment |
| 20  | ケーブル           | Cable label                   | Polyester Film    | Printing                      |
| 21  | カメラ取り付けねじ      | Camera mounting screw         | Stainless Steel   | Corrosion-resistant treatment |
| 22  | カメラ取り付け部       | Attachment plate              | Stainless Steel   |                               |
| 23  | リムーバ           | Rear cover                    | PCABS             | Coating (Light Gray)          |
| 24  | リムーバ固定ねじ       | Rear cover fixing screw       | Stainless Steel   | Corrosion-resistant treatment |
| 25  | リムーバ           | Rear cover                    | Stainless Steel   |                               |
| 26  | 延長電源ケーブル       | Extended safety wire          | Stainless Steel   |                               |
| 27  | 脱湿装置           | Dehumidifying device          |                   |                               |
| 28  | RJ45ネットワークケーブル | RJ45 Network cable            |                   |                               |
| 29  | オーディオケーブル      | Audio output cable (black)    |                   |                               |
| 30  | アラーム出力ケーブル     | Alarm I/O cable               |                   |                               |
| 31  | 名前板            | Name plate                    | Polyester Film    | Printing                      |
| 32  | リッパNo. 544     | Serial number label           | Polyester Film    | Printing                      |
| 33  | リッパNo. 545     | Printing label paper          | Polyester Film    | Printing                      |
| 34  | リッパNo. 546     | Camera number label           | Polyester Film    | Printing                      |
| 35  | リッパリッパNo. 544  | Data Matrix label             | Polyester Film    | Printing                      |
| 36  | FGCケーブル        | FGC label                     | Polyester Film    | Printing                      |
| 37  | ケーブル           | Insulation label              | Polyester Film    | Printing                      |
| 38  | ケーブル           | Instruction label             | Polyester Film    | Printing                      |



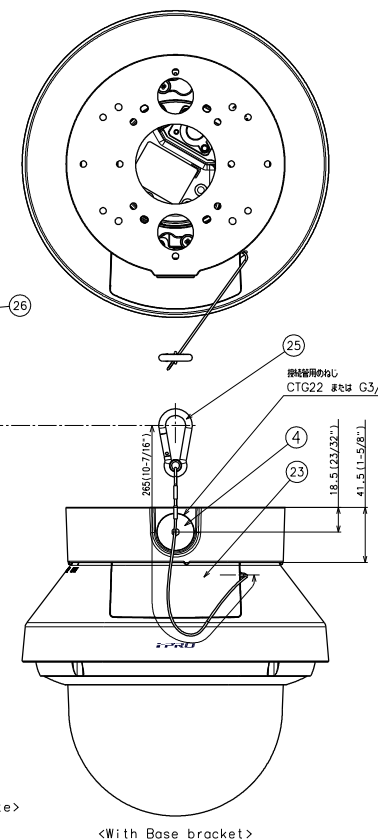
<With Base bracket>



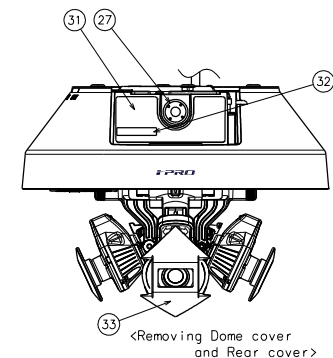
<Removing Dome cover>



<With Attachment plate>



<With Base bracket>



33) <Removing Dome cover  
and Rear cover>