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 (F1.6, Maximum shutter : Off (1/30s), AGC : 11) Color : 0.008 lx, BW : 0.003 lx (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), High light compensation (HLC), Fog compensation, 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: Horizontal (PAN) angle : 360 ° Vertical (TILT) angle : +30 ° to + 80 ° Azimuth (YAW) angle : ±50 ° Camera 4: Horizontal (PAN) angle : 360 ° Vertical (TILT) angle : –15 ° to + 80 ° Azimuth (YAW) angle : ±50 ° *The above is the adjustable range of a single camera. The adjustable range of each camera varies according to 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. 3840 x 2160 / 2560 x 1440 / 1280 x 720 / 640 x 360 / 320 x 180
H.265/H.264	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	GOP (Group of pictures) control : On (Frame rate control)* / On (Advanced)* / On (Mid) / On (Low) / Off *On (Frame rate control) and On (Advanced) are only available with H.265. Auto VIQS : On / Off
Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps G.711 : 64 kbps AAC-LC : 64 kbps / 96 kbps / 128 kbps
Supported Protocol	IPv6 : TCP/IP, UDP/IP, HTTP, HTTPS, FTP (Server), SMTP, DNS, NTP, SNMP, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP (Server), SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ
No. of Simultaneous Users	Up to 24 users (Depends on network conditions)
SDXC/SDHC/SD Memory Card (Option)	H.265 / H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure Compatible SDXC/SDHC/SD card : Panasonic 2 GB, 4 GB*, 8 GB*, 16 GB*, 32 GB*, 64 GB**, 128 GB**, 256 GB**model *SDHC card, ** SDXC card (except miniSD card and microSD card)
Mobile Terminal Compatibility	iPad / iPhone, AndroidTM terminals

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

Input/Output	
Audio input	ø3.5 mm stereo mini jack (Audio input is stereo) For microphone input : Recommended applicable microphone: Plug-in power type (Sensitivity of microphone : -48 dB±3 dB (0 dB=1 V/Pa, 1 kHz)) Input impedance : Approx. 2 k (unbalanced) Supply voltage : 4.0 V ±0.5 V For line input : Input level : Approx. –10 dBV
External I/O Terminals	ALARM IN 1(Alarm input 1/ Black & white input/ Auto time adjustment input) (x1), ALARM IN 2 (Alarm input 2/ ALARM OUT) (x1), 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 : 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} {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 : ø230 mm x 196 mm (H) {ø9-1/16 inches x 7-23/32 inches (H)}, Dome radius 80 mm {3-5/32 inches} When using the base bracket : ø230 mm x 232 mm (H) {ø9-1/16 inches x 9-1/8 inches (H)}, Dome radius 80 mm {3-5/32 inches}
Mass (Approx.)	When using the attachment plate only : Approx. 2.8 kg {6.17 lbs} When using the base bracket : Approx. 3.3 kg {7.28 lbs}
Finish	Main body : Aluminum die cast, Light gray, Outer fixing screws : Stainless steel (Corrosion-resistant treatment) 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.
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OPTIONAL ACCESSORIES

Select a compatible accessory
Accessory Selector (i-pro.com)

WV-Q187
Mount Bracket

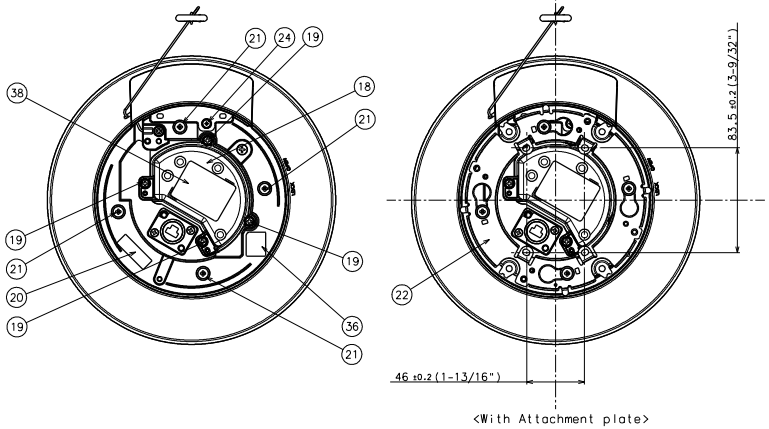
WV-Q185
Mount Bracket

WV-Q182
Mount Bracket

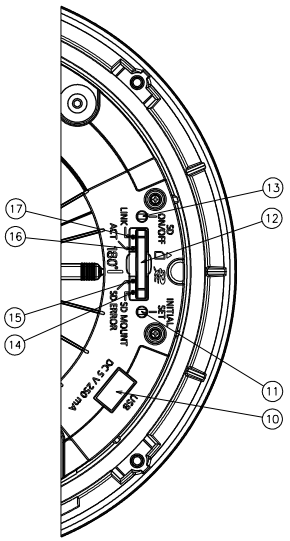
WV-Q183
Mount Bracket

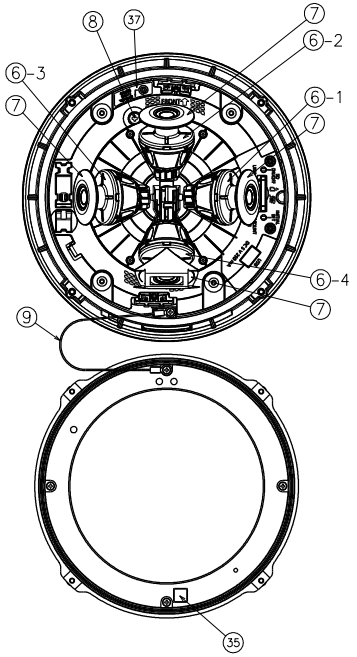
WV-Q178
Mount Bracket

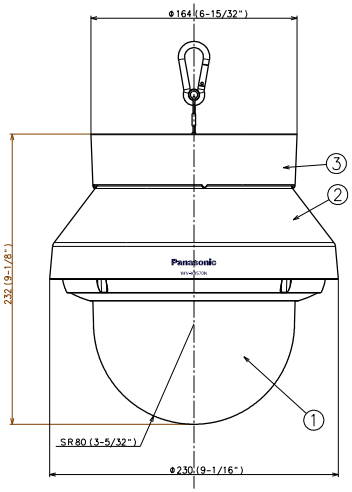
No.	品名	Part Name	Material	Process・Remark
1	ドームカバー	Dome cover	PC(Clear)	ClearSight coating
2	ケカバー	Lower cover	Aluminium die cast	Coating (Light Gray) ・Printing
3	ベース金具	Base bracket	Aluminium die cast	Coating (Light Gray)
4	接続管用のねじキャップ	Cap for the female thread for the conduit	PA	Coating (Light Gray)
5	ドームカバー固定用ねじ	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	Silicone rubber	
8	カメラ固定ねじ	Camera fixing screw	Stainless Steel	Corrosion-resistant treatment
9	補助線用ワイヤー	Auxiliary wire	Stainless Steel	
10	USB端子	USB terminal		
11	INITIAL SETボタン	INITIAL SET button		
12	SDスロット	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	ケーブルカバー固定ねじ	Cable cover fixing screw	Stainless Steel	Corrosion-resistant treatment
20	コードラベル	Code label	Polyester Film	Printing
21	アタッチメント取付ねじ	Attachment mounting screw	Stainless Steel	Corrosion-resistant treatment
22	アタッチメント金具	Attachment plate	Stainless Steel	
23	リアカバー	Rear cover	PC+ABS	Coating (Light Gray)
24	リアカバー固定ねじ	Rear cover fixing screw	Stainless Steel	Corrosion-resistant treatment
25	落下防止ワイヤー	Safety wire	Stainless Steel	
26	延長落下防止ワイヤー	Extended safety wire	Stainless Steel	
27	除湿素子	Dehumidifying device		
28	RJ45ネットワークケーブル	RJ45 Network cable		
29	オーディオ出力ケーブル(黒)	Audio output cable (black)		
30	アラーム出力ケーブル	Alarm I/O cable		
31	銘板	Name plate	Polyester Film	Printing
32	シリアルNo.ラベル	Serial number label	Polyester Film	Printing
33	アイキャッチ紙	Eye-catching paper	Polyester Film	Printing
34	カメラNo.ラベル	Camera number label	Polyester Film	Printing
35	データマトリクスラベル	Data Matrix label	Polyester Film	Printing
36	FCCラベル	FCC label	Polyester Film	Printing
37	施工ラベル	Instruction label	Polyester Film	Printing
38	施工ラベル	Instruction label	Polyester Film	Printing



<With Attachment plate>







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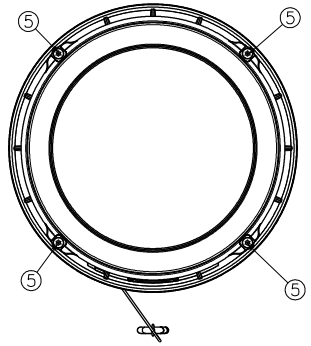

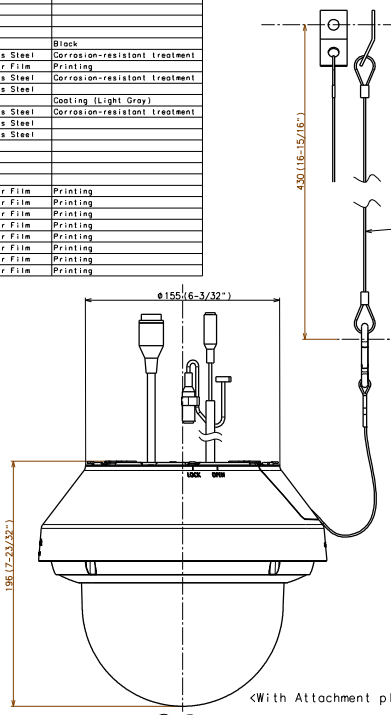

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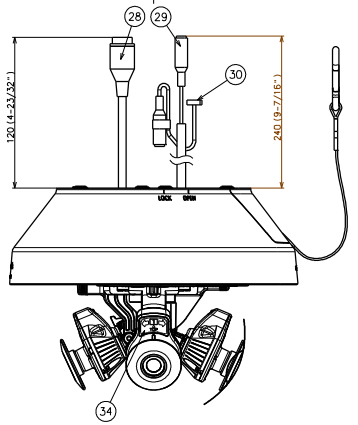

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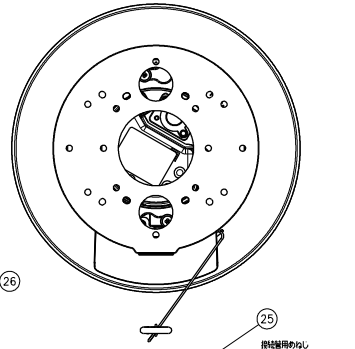

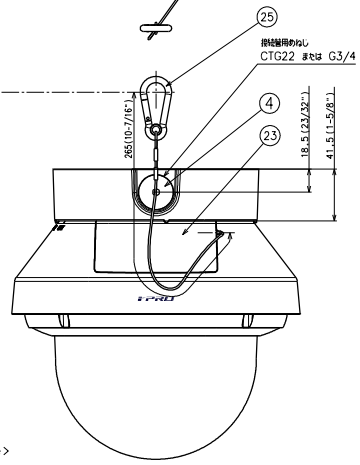

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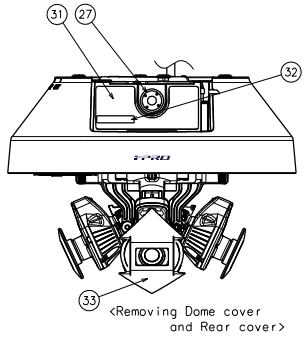
<Removing Dome cover and Rear cover>

	投影面積/Projected area	
	(With Base bracket)	(Without Base bracket)
正面図/Front-view	0.038 m2	0.032 m2
側面図/Side-view		
平面図/Top-view	0.041 m2	