WV-S2236L

2MP (1080p) Vandal Resistant Indoor Dome Network Camera with AI engine

i-PRO Extreme H.265 Dome Network camera

The WV-S2236L comes with pre-installed AI analytics applications that detects people and vehicles with accuracy, allowing you to easily start state-of-the-art video surveillance.

- 2MP (1080p) up to 60fps
- Intelligent Auto (with AI Engine)
- Super Dynamic 144dB
- Color night vision (0.007 to 0.009 lx)
- Smart Coding (with AI Engine)
- Built-in IR LED
- Vandal Resistant
- NDAA Compliant

SPECIFICATIONS

Camera	
Image Sensor	Approx. 1/2.8 type CMOS image sensor
Minimum Illumination	Color : 0.007 lx (30IRE, F1.3, 1/30s) Color : 0.009 lx (50IRE, F1.3, 1/30s) BW : 0.006 lx (50IRE, F1.3, 1/30s) BW : 0 lx(50IRE, F1.3,1/30s with IR LED)
White Balance	ATW1 / ATW2 / AWC
Shutter Speed	[60 fps Mode] 1/60 Fix to 1/10000 Fix, [30fps/15fps mode] 1/30 Fix to 1/10000 Fix [50 fps Mode] 1/50 Fix to 1/10000 Fix, [25fps/12.5fps mode] 1/25 Fix to 1/10000 Fix
Intelligent Auto	On / Off
Super Dynamic	On / Off, The level can be set in the range of 0 to 31.
Dynamic Range	Max.144 dB (Super Dynamic : On, Level 31)
Adaptive Black Stretch	The level can be set in the range of 0 to 255.
Back Light Compensation/High Light Compensation	BLC (Back light compensation) / HLC (High light compensation) / Off (only when Super dynamic / Intelligent Auto : Off)
Fog Compensation	On / Off (only when Intelligent auto / auto contrast adjust : Off)
Maximum Gain (AGC)	The level can be set in the range of 0 to 11.
Color/BW (ICR)	Off / On (IR Light Off) / On (IR Light On) / Auto1 (IR Light Off) / Auto2 (IR Light On) / Auto3 (SCC)
IR LED Light	High / Middle / Low / Off, Maximum irradiation distance : 70 m {Approx. 230 ft} (30IRE) 50 m {Approx. 164 ft} (50IRE)
Digital Noise Reduction	The level can be set in the range of 0 to 255.
Video Motion Detection (VMD)	On / Off, 4 areas available
Scene Change Detection (SCD)	On / Off, 1 areas available
Audio Detection	On / Off
AI Sound Classification	Gunshot, Yell, Vehicle horn, Glass break
AI Analytics	Yes
Privacy Zone	On / Off, Up to 8 zones available
VIQS	On / Off, Up to 8 zones available
Image Rotation	0 ° / 90 ° / 180 ° / 270 °
Camera Title (OSD)	On / Off, Up to 40 characters (alphanumeric characters, marks)
Focus Adjustment	Auto focus / Manual

Lens	
Optical zoom	3.1x (Motorized zoom / Motorized Focus)
Extra zoom	3.1x - 9.3x (when resolution is 640 x 360)
Focal length	2.9 - 9 mm {1/8 inches - 11/32 inches}
Angular Field of View	[16 : 9 mode] Horizontal : 36° (TELE) – 114° (WIDE), Vertical : 20° (TELE) – 60° (WIDE) [4 : 3 mode] Horizontal : 27° (TELE) – 82° (WIDE), Vertical : 20° (TELE) – 60° (WIDE)
Maximum Aperture Ratio	1 : 1.3 (WIDE) – 1 : 2.5 (TELE)
Focus range	0.3 m {11-13/16 inches} – ∞

DORI	
Detect (25ppm / 8ppf)	Wide: 24.9 m / 81.8 ft, Tele: 118.2 m / 387.7 ft
Observe (62.5ppm / 19ppf)	Wide: 10.0 m / 32.7 ft, Tele: 47.3 m / 155.1 ft
Recognize (125ppm / 38ppf)	Wide: 5.0 m / 16.4 ft, Tele: 23.6 m / 77.5 ft
Identify (250ppm / 76ppf)	Wide: 2.5 m / 8.2 ft, Tele: 11.8 m / 38.8 ft

Adjusting Angle	
Adjusting Angle	Horizontal : -240 to +120°, Vertical : -30 to +85°, Yaw : ±100°

Browser GUI	
Camera Control	Brightness, AUX On / Off
Audio	Mic (Line) Input : On / Off Volume adjustment : Low / Middle / High Audio Output : On / Off Volume adjustment : Low / Middle / High
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser	Microsoft Edge, Firefox, Google Chrome

Network	
Network IF	10Base-T / 100Base-TX, RJ45 connector
Resolution H.265/ H.264/ JPEG (MJPEG)	[16:9 mode (60 fps mode)] , [16:9 mode (30 fps mode)], [16:9 mode (50 fps mode)] , [16:9 mode (25 fps mode)] 1920x1080, 1280x720, 640x360, 320x180 [4:3 mode (30 fps mode)], [4:3 mode (25 fps mode)] 1280x960, VGA, QVGA [4:3 mode (15 fps mode)], [4:3 mode (12.5 fps mode)] 2048x1536 , 1280x960, VGA, QVGA
H.265/H.264	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast port (AUTO) / Unicast port (MANUAL) / Multicast
JPEG	[Image Quality] 10 steps
Smart Coding	GOP (Group of pictures control): Off/ Low (Variable GOP 1s-8s)/ Mid (Variable GOP 4s-16s)/ Advanced(Fixed GOP 60s w/1s key-frame)/ Frame rate control (Variable GOP 4s-16s with frame rate control) *Advanced and Frame rate control are only available with H.265. Smart VIQS: On(High)/On(Low)/Off, Smart P-picture control: On/Off
Audio Compression	G.726 (ADPCM) : 16 kbps / 32 kbps G.711 : 64 kbps AAC-LC : 64 kbps / 96 kbps / 128 kbps
Audio Transmission Mode	Off / Mic (Line) input / Audio output / Interactive (Half duplex) / Interactive (Full duplex)
Supported Protocol	IPv6: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, SMTP, DNS, NTP, SNMPv1/v2/v3, DHCPv6, RTP, MLD, ICMP, ARP, IEEE 802.1X, DiffServ, SFTP, MQTT, LLDP IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, SSL/TLS, RTSP, RTP, RTP/RTCP, SMTP, DHCP, DNS, DDNS, NTP, SNMPv1/v2/v3, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ, SRTP, SFTP, MQTT, LLDP
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Secure	Device Certificate GlobalSign® pre-installed, User authentication,Host authentication, HTTPS, 802.1X Support, Data encryption
SDXC/SDHC/SD Memory Card	H.265 / H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure JPEG recording : Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SDXC/SDHC/SD Memory Card : microSDXC memory card: 64 GB, 128 GB, 256 GB, 512 GB microSDHC memory card: 4 GB, 8 GB, 16 GB, 32 GB microSD memory card: 2 GB
Mobile Terminal Compatibility	iPad, iPhone, Android™ terminals
ONVIF® Profile	G / M / S / T

Alarm

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

Input/Output

Monitor Output (for Adjustment)	VBS : 1.0 V [p-p] / 75 Ω, composite, Pin jack An NTSC or PAL signal can be outputted from camera
Audio input	ø3.5 mm stereo mini jack 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 kΩ (unbalanced) Supply voltage : 2.5 V ±0.5 V For line input : Input level: Approx. –10 dBV
Audio Output	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced) Output level : –20 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/ AUX OUT) (x1)

General

Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
EMC	FCC (Part15 ClassA), ICES-003 ClassA, EN55032 ClassB, EN55035
Power Source and Power Consumption	DC power supply : DC12 V 720 mA, Approx. 8.6 W PoE (IEEE802.3af compliant) Device : DC48 V 180 mA, Approx. 8.7 W (Class 0 device)
Ambient Operating Temperature	-10 ℃ to +50 ℃ (14 °F to 122 °F)
Shock Resistance	IK10 (IEC 62262)
Ambient Operating Humidity	10 to 90 % (no condensation)
Dimensions	ø129.5 mm x 102.5 mm (H) {ø5-3/32 inches x 4-1/32 inches (H)} , Dome radius 41.5 mm {1-5/8 inches}
Mass (approx.)	570 g {1.26 lbs.}
Finish	Main body : PC resin, i-PRO white / Dome cover : Polycarbonate resin, Clear

AI Analytics applications

AI Video Motion Detection (AI-VMD)	YES
AI Privacy Guard	YES
AI Face Detection	YES
AI People Detection	YES
AI Vehicle Detection	YES
AI Non mask Detection	YES
AI Occupancy Detection	YES

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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– iPad and iPhone are trademarks of Apple Inc., registered in the U.S.and other countries. – Android is a trademark of Google LLC.
– ONVIF is a trademark of ONVIF, Inc.

OPTIONAL ACCESSORIES

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

WV-QWL501-W	WV-QWL500-W	WV-QSR501-W	WV-QPL500-W	WV-QJB500-W	WV-QEM100-W
Mount Bracket	Mount Bracket	Mount Bracket	Mount Bracket	Mount Bracket	Mount Bracket

WV-QCN500-W	WV-QCL501-W	WV-QCL101-W	WV-QCL100-W	WV-QAT501-W	WV-QAT500-W
Mount Bracket	Mount Bracket	Mount Bracket	Mount Bracket	Attachment Pipe Bracket	Attachment pipe

WV-Q105A	WV-CR1S	WV-PM500
Mount Bracket	Dome Cover	Compact microphone unit for surveillance cameras

APPEARANCE
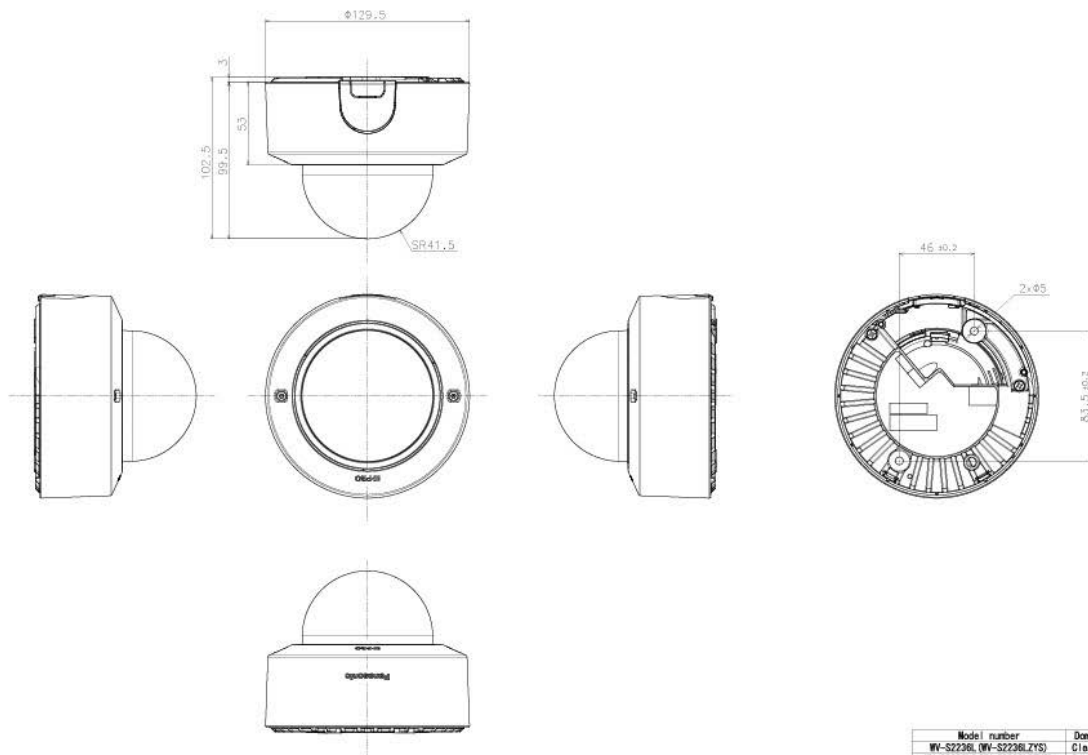
Model number	Dome type
WV-S2236L (WV-S2236LZYS)	Clear dome
WV-S2236LG (WV-S2236LGZYS)	Smoke dome

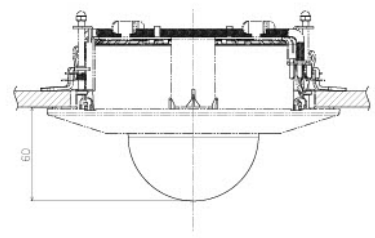Weight : Approx. 570 g {1.26 lbs}
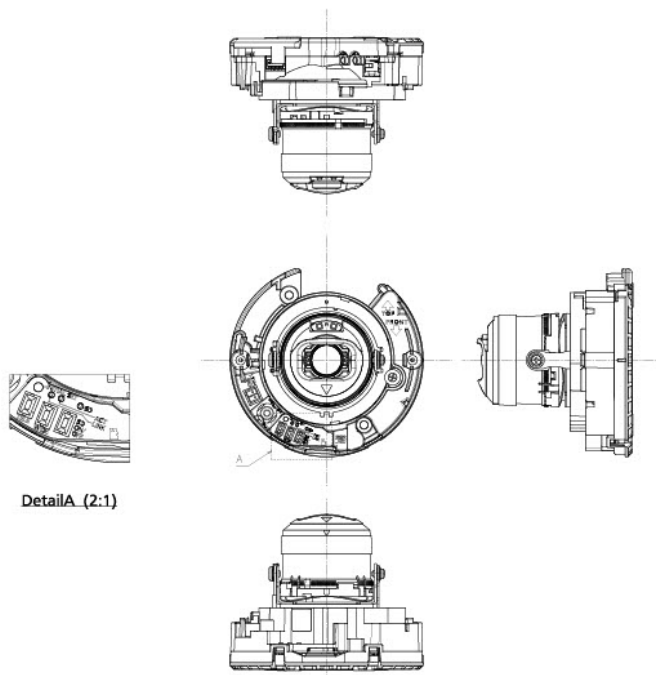
DetailA (2:1)

Without Enclosure

Model number	Dome type
WV-S2236L(WV-S2236LZYS)	Clear dome
WV-S2236LG(WV-S2236LGZYS)	Smoke dome

46
4xØ4
Ø25.4(Cable access hole)
83.5
24
Ø73
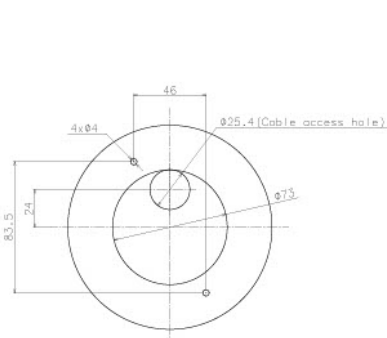
Template for mounting

230

Panasonic
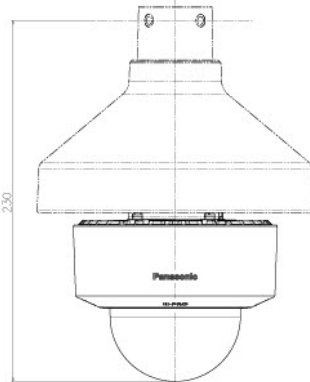
Attach to WV-QSR501-W

60

Attach to WV-QEM100-W

174
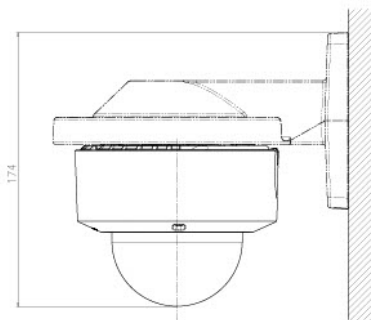
Attach to WV-QWL500-W
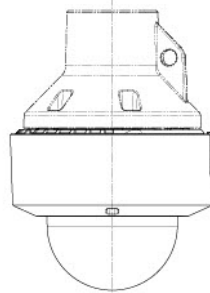
Attach to WV-QCL100-W

Model number	Dome type
WV-S2236L(WV-S2236LZYS)	Clear dome
WV-S2236LG(WV-S2236LGZYS)	Smoke dome

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