

WV-U21300-V2L

2MP (1080p) Varifocal Lens Indoor Dome Network Camera

New U-series compact network camera with built-in microphone



- 2MP(1080p) Indoor dome camera
- Built-in microphone
- Built-in IR-LED (40m, 131ft)
- NDAA compliant

SPECIFICATIONS

Camera	
Image Sensor	Approx. 1/2.8 type CMOS image sensor
Minimum Illumination	Color : 0.07 lx (30IRE, F2.0, 1/30s, AGC:11)* 0.1 lx (50IRE, F2.0, 1/30s, AGC:11) 0.006 lx (50IRE, F2.0, 16/30s, AGC:11)* BW : 0 lx (50IRE, F2.0, 1/30s, AGC:11, IR LED: On) 0.04 lx (50IRE, F2.0, 1/30s, AGC:11) 0.0025 lx (50IRE, F2.0, 16/30s, AGC:11)* *Converted value
White Balance	ATW1/ ATW2/ AWCGeneral
Maximum Shutter	[30fps mode] Max. 1/10000 s to Max. 16/30 s [25fps mode] Max. 1/10000 s to Max. 16/25 s
Intelligent Auto	On / Off
Super Dynamic	On / Off, the level can be set in the range of 0 to 31.
Dynamic Range	Max.120 dB (Super Dynamic : On, Level: 31)
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, The level can be set in the range of 0 to 8. (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 : 40 m {Approx. 131 ft} (30IRE)* 30 m {Approx. 100 ft} (50IRE) * Converted value
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
Privacy Zone	On / Off (up to 8 zones available)
VIQS	On / Off (up to 8 zones available)
Image Rotation	0° (Off) / 90° / 180° (Upside-down) / 270°
Camera Title (OSD)	On / Off, Up to 20 characters (alphanumeric characters, marks)
Lens	
Optical zoom	2.5x Optical zoom (Motorized zoom / Motorized focus) 3.3x FHD Extra Optical Zoom (when resolution is 1920x1080)
Extra optical zoom	2.5x - 3.8x (when resolution is 1280x720)
Focal Length	2.9 mm – 7.3 mm{1/8inches-9/32inches}

Angular Field of View	[16 : 9 mode] Horizontal : 42° (TELE) – 97° (WIDE) , Vertical : 23° (TELE) – 54° (WIDE) [4 : 3 mode] Horizontal : 31° (TELE) – 72° (WIDE) , Vertical : 23° (TELE) – 54° (WIDE)
Maximum Aperture Ratio	1 : 2.0 (WIDE) – 1 : 3.0 (TELE)
Focus Range	1 m {39-3/8 inches} – ∞

DORI

Detect (25ppm / 8ppf)	Wide: 34.0 m / 111.5 ft, Tele: 100.0 m / 328.2 ft
Observe (62.5ppm / 19ppf)	Wide: 13.6 m / 44.6 ft, Tele: 40.0 m / 131.3 ft
Recognize (125ppm / 38ppf)	Wide: 6.8 m / 22.3 ft, Tele: 20.0 m / 65.6 ft
Identify (250ppm / 76ppf)	Wide: 3.4 m / 11.1 ft, Tele: 10.0 m / 32.8 ft

Adjusting Angle

Adjusting Angle	Horizontal (PAN) angle: ±180°, Vertical (TILT) angle: -30 ° – +85 ° Azimuth (YAW) angle: ±100°
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Browser GUI

Camera Control	Brightness
GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
Browser	Microsoft Edge, Firefox, Google Chrome *1

Network

Network IF	10Base-T / 100Base-TX, RJ45 connector
Resolution H.265/H.264	[16 : 9 mode] 1920×1080, 1280×720, 640×360, 320×180 [4 : 3 mode] 1600×1200, 1280×960, VGA, QVGA
H.265/H.264	[Transmission Mode] Constant bit rate / VBR / Frame rate / Best effort [Transmission Type] Unicast / Multicast [Max. frame rate foreach stream] Stream(1) : 1920x1080(30fps) / 1280x720(30fps) / 1600x1200(30fps) Stream(2) : 640x360(30fps) / 1280x720(30fps) / 640x480(30fps) Stream(3) : Off / Off / Off JPEG(1) : 1920x1080(1fps) / 1920x1080(1fps) / 1600x1200(1fps) JPEG(2) : 1280x720(1fps) / 1280x720(1fps) / 1280x960(1fps)
JPEG	[Image Quality] 10 steps
Smart Coding	GOP(Group of pictures) control: On(Frame rate control) / On(Advanced) / On(Mid) / On(Low) / Off *Frame rate control and Advanced are only available with H.265. AUTO VIQS: On / Off * AUTO VIQS will be automatically Off when Audio is On
Audio Compression	G.726 (ADPCM) 32 kbps / 16 kbps, G.711 64 kbps, AAC-LC 64kbps / 96kbps / 128kbps *2
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, 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, MQTT, LLDP
No. of Simultaneous Users	Up to 14 users (Depends on network conditions)
Secure	Device Certificate GlobalSign® pre-installed, HTTPS, User authentication, Digest authentication, Host authentication, IEEE802.1X, System log, Image transmission log, Brute-force protection
SDXC/SDHC/SD Memory Card (Option) *3	H.265/H.264 recording: Manual REC / Alarm REC (Pre/Post) / Schedule REC 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 / S / T
Alarm	
Alarm Source	VMD alarm, SCD alarm, Command 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	-
General	
Safety	UL (UL62368-1), c-UL (CSA C22.2 No.62368-1), CE, IEC62368-1
EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassB, EN55035
Power Source and Power Consumption	PoE (IEEE802.3af compliant) Device : DC48 V 120 mA, Approx. 5.8 W (Class 2 device)
Ambient Operating Temperature	-10 °C to +50 °C (+14 °F to +122 °F) {Power On range: 0 °C to +50 °C (+32°F to +122 °F)}
Ambient Operating Humidity	10 to 90 % (no condensation)
Dimensions	ø129.5 mm x 101 mm (H) {ø5-3/32 inches x 3-31/32 inches (H)} Dome radius 40 mm {1-9/16 inches}
Mass (Approx.)	Approx. 350 g {0.77 lbs}
Finish	Main body : ABS resin, i-PRO white Dome cover : acrylic resin, Clear

NOTES

*1 For information on the operation verification of the web browsers, refer to our support website <Control No.: C0132>.

*2 AAC-LC is not available with ONVIF.

When using AAC-LC, no. of stream will be 2 and their max. frame rate will be 15fps or 12.5fps.

*3 Audio recording is not available with memory card.

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 \(i-pro.com\)](http://i-pro.com).



WV-Q105A
Mount Bracket



WV-QAT500-W
Attachment pipe



WV-QAT501-W
Attachment Pipe
Bracket



WV-QCL100-W
Mount Bracket



WV-QCL101-W
Mount Bracket



WV-QCL501-W
Mount Bracket



WV-QCN500-W
Mount Bracket



WV-QEM100-W
Mount Bracket



WV-QJB500-W
Mount Bracket



WV-QPL500-W
Mount Bracket



WV-QSR100-W
Sun Shade



WV-QSR501-W
Mount Bracket



WV-QWL500-W
Mount Bracket



WV-QWL501-W
Mount Bracket



PACA4W
Corner Mount Adapter
Bracket



PAPM4W
Pole Mount Bracket

APPEARANCE

