WV-X6533LN

2MP (1080p) 40x IR PTZ Network Camera with iA (intelligent Auto)

i-PRO Extreme H.265 IR-PTZ camera

The WV-X6533LN IR-PTZ camera has a powerful 40x optical zoom with infrared light (LED), plus a built in imaging stabilizer enabling Pan/Tilt 360 degree video surveillance up to 350 m under total darkness.

- Full-HD 1920x1080 up to 60fps
- Long distance IR illumination
- Intelligent Zoom Stabilization with 40x optical zoom
- ClearSight Coating
- Durable Pan/Tilt gear mechanism
- iA (intelligent Auto)
- Color night vision (0.001 to 0.015 lx)
- IP66, IK10 certified, Defroster
- i-VMD License Bundled
- Fiber Optic Media Converter Unit (Optional WV-X65F1)
- NDAA Compliant

SPECIFICATIONS

Camera	
Image Sensor	Approx. 1/2.8 type CMOS image sensor
Minimum Illumination	Color : 0.015 lx, BW : 0.006 lx (F1.6, Maximum shutter : Off (1/30s), AGC : 11) BW : 0 lx (F1.6, Maximum shutter : Off (1/30 s), AGC : 11, when the IR LED is lit) Color : 0.001 lx, BW : 0.0004 lx (F1.6, Maximum shutter : max. 16/30s, AGC : 11)
Intelligent Auto	On / Off
Shutter Speed	1/30 Fix to 1/10000 Fix *1/30 Fix to 2/120 Fix is available during 30 fps mode only. *1/60 Fix is available during 60 fps mode only.
Super Dynamic	On / Off, the level can be set in the range of 0 to 31.
Dynamic Range	144 dB (Super Dynamic : On)
Image Settings	Gain (AGC), White balance
Image Compensation	Adaptive black stretch, Back light compensation (BLC), Fog compensation, High light compensation (HLC), Digital noise reduction
Color/BW (ICR)	Off / On (IR Light Off) / On (IR Light On) / Auto1 (IR Light Off) / Auto2 (IR Light On)
IR LED Light	High / Middle / Low / Off Maximum irradiation distance 350 m {approx. 1150 ft}(AC 24 V/ Tested PoE injector) 150 m {approx. 500 ft}(PoE+ device)
Video Motion Detection (VMD)	On / Off, 4 areas available
Intelligent VMD (i-VMD)	Type4 Bundled License
Stabilizer	On / Off (available only in the 30 fps mode)
Privacy Zone	Filling / Pixelate / Off (up to 32 zones available)
Camera Title (OSD)	On / Off Up to 20 characters (alphanumeric characters, marks)

Lens	
Zoom Ratio	40 x Optical zoom (Motorized zoom / Motorized focus)
Digital (Electronic) Zoom	16 x
Focal Length	4.25 mm – 170 mm {5/32 inches – 6-11/16 inches}
Maximum Aperture Ratio	1 : 1.6 (WIDE) – 1 : 4.95 (TELE)
Focus Range	3.0 m {9 ft 10-1/8 inches} – ∞
Angular Field of View	[16 : 9 mode] Horizontal : 1.9 ° (TELE) – 66 ° (WIDE) Vertical : 1.1 ° (TELE) – 39 ° (WIDE) [4 : 3 mode] Horizontal : 1.4 ° (TELE) – 51 ° (WIDE) Vertical : 1.1 ° (TELE) – 39 ° (WIDE)

Pan/tilt	
Panning Range	360° Endless panning

Panning Speed	Manual : Approx. 0.065°/s – 150°/s Preset : Up to approx. 300°/s
Tilting Range	Operational range : –30° – +210° Recommended range : 0° – 180°
Tilting Speed	Manual : Approx. 0.065°/s – 150°/s Preset : Up to approx. 300°/s
Preset Positions	256 positions
Auto Mode	Auto track / Auto pan / Preset sequence / Patrol
Self Return	10 s/ 20 s/ 30 s/ 1 min/ 2 min/ 3 min/ 5 min/ 10 min/ 20 min/ 30 min/ 60 min

Browser GUI	
Camera Control	Pan/Tilt, Zoom, Focus, Auto mode, Brightness, Preset, AUX, Rec. on SD, Log, Viewer software
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

Network	
Network IF	10Base-T / 100Base-TX, RJ45 connector
Resolution H.265/ H.264 JPEG (MJPEG)	[16 : 9] 1920×1080 / 1280×720 / 640×360 / 320×180 [4 : 3] 2048×1536* / 1280×960 / 800×600 / VGA / 400×300 / QVGA * Used by super resolution techniques
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	[Smart Facial Coding]* On(Smart Facial Coding)/ On(AUTO VIQS)/ Off *Smart Facial Coding is only available with Stream(1). [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.
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, RTP, FTP, SMTP, DNS, NTP, SNMP, DHCPv6, MLD, ICMP, ARP, IEEE 802.1X, DiffServ IPv4: TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, IEEE 802.1X, DiffServ
Maximum concurrent access number	14 (Number of sessions that can connect to cameras at the same time) *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 JPEG recording: Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SDXC/SDHC/SD Memory 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, Android TM mobile terminals
ONVIF® Profile	G / S / T

Alarm	
Alarm Source	3 terminals input, VMD alarm, Command alarm, Audio detection alarm, Auto track alarm
Alarm Actions	SDXC/SDHC/SD memory recording, E-mail notification, HTTP alarm notification, Indication on browser, FTP image transfer, Panasonic protocol output

Input/Output	
Audio Input	ø3.5 mm stereo mini jack (Audio input is monaural.) Input impedance: Approx. 2 kΩ (unbalanced) (Applicable microphone : Plug-in power type) Supply voltage : 4.0 V ±0.5 V
Audio Output	ø3.5 mm stereo mini jack (Audio output is monaural.) Output impedance : Approx. 600 Ω (unbalanced)
External I/O Terminals	ALARM IN1(Alarm input 1/ Black & white input/ Auto time adjustment input), ALARM IN2(Alarm input 2/ ALARM OUT), ALARM IN3 (Alarm input 3/ AUX OUT) (x1 for each)

General	
Safety	UL (UL60950-1), c-UL (CSA C22.2 No.60950-1), CE, IEC60950-1
EMC	FCC (Part15 ClassA), ICES003 ClassA, EN55032 ClassA, EN55035
Power Source and Power Consumption	AC24 V 3.4 A, Approx. 55 W PoE+ (IEEE802.3at compliant): DC 54V 470 mA, Approx. 25 W(Class4 device) Tested POE Injector (60 W) : DC 54V 1.0 A, Approx. 50 W
Ambient Operating Temperature	−50 ℃ to +60 ℃ {−58 °F to +140 °F} (AC 24 V/ Tested PoE injector (60 W))* −30 ℃ to +60 ℃ {−22 °F to +140 °F} (PoE+ device)* {Power On range: −30 ℃ to +60 ℃ (−22 °F to +140 °F)} * When using with the IR LED light constantly lit, the upper limit of the operating temperature range is +45℃ {+113 °F}.
Ambient Operating Humidity	10 to 100 % (no condensation)
Water and Dust Resistance	IP66 (IEC60529), Type 4X (UL50E), NEMA 4X compliant
Shock Resistance	IK10 (IEC62262)
Wind Resistance	up to 40 m/s {approx. 89 mph}
Dimensions	Maximum ø249 mm × 465 mm (H){ø9-13/16 inches × 18-5/16 inches (H)}
Mass (Approx.)	Approx. 8.2 kg {18.10 lbs} (including attachment pipe : Approx. 200 g {0.44 lbs} and cable cover.)
Finish	Main body : Aluminum die cast, Fine silver Outer fixing screws : Stainless steel (Corrosion-resistant treatment) Front Panel : Polycarbonate resin (with ClearSight coating (rain wash 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-QCL500-S	WV-QCL101-W	WV-QAT501-S	WV-Q189	WV-Q188	WV-Q122A
Mount Bracket	Mount Bracket	Attachment pipe	Mount Bracket	Mount Bracket	Mount Bracket

WV-Q121B	PWM25AGS	PWM25GS	PWM25AW	PPRM35AW	PAPM4W
Mount Bracket	Gooseneck Wall Mount	Gooseneck Wall Mount	Gooseneck Wall Mount	Parapet Mount Bracket	Pole Mount Bracket

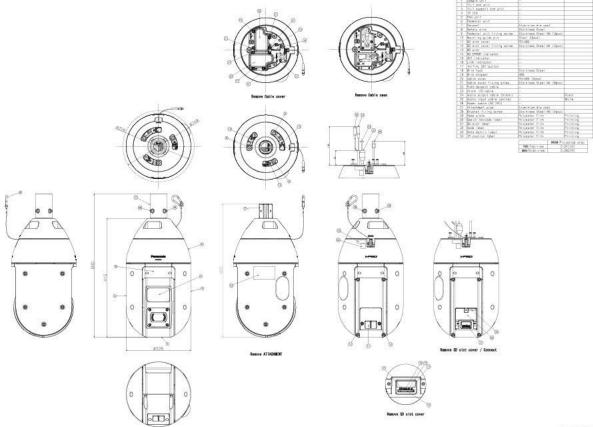|			
PACA4W	WV-X65F1-W	WV-QDC503G	WJ-PU201
Corner Mount Adapter Bracket	Unit	Dome Cover	60W Single Port Power over Ethernet

APPEARANCE

WV-X6533LN