Panasonic
BUSINESS

WV-X6533LN (Full-HD)

i-PRO EXTREME

Long distance IR illumination iA PTZ Camera

Panasonic WV-X6533LN captures the highest quality images automatically even in very challenging and fast-changing surveillance environments. Outstanding Intelligent Zoom Stabilization to increase visibility under blur condition.
Intelligent Auto (iA) monitors scene dynamics and motion to adjust key camera settings automatically in real-time reducing distortion such as motion blur on moving objects. Adopting H.265 Smart Coding technology, intelligently reduces bandwidth efficiency up to 95%* more than conventional H.264 for longer recording and less storage.
*Value in Advanced mode with Smart Facial Coding depends on scene.

Extreme image quality for evidence capturing under challenging conditions

- Built-in IR LED to produce a clear monochrome image in 0 lux conditions with 350 m (1150 feet) irradiation distance
- Long-distance vision with high power 40x zoom lens and Intelligent Zoom Stabilization with gyroscope
- Sharp and clear image of fast moving vehicles with Intelligent Auto and ClearSight Coating
- Outstanding low light performance in true color with low noise for night time applications
- Environmental durability: IP66, IK10, Long life Pan/Tilt gear mechanism

Extreme H.265 compression with new Smart Coding

- Longer recording, less storage compared to H.264 based compression techniques
- New self-learning ROI* encoding (Auto VIQS) dynamically detect motion areas to keep vehicles and human in good picture quality while lowering your bandwidth   *Region of Interest

Key Features

- Full-HD 1920x1080 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
- i-VMD License Bundled

Industry examples

- Traffic
- Safe city
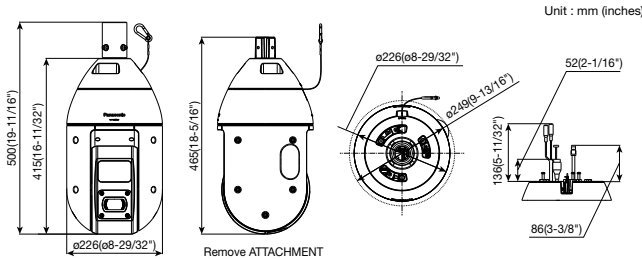- Railway
- Critical infrastructure
- Airport
- Stadium

ONVIF® | GST

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) [1]
	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 [2]	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) [3]	Type6 *Bundled License
	Stabilizer [3]	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 [4] : 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 [5]	•[16 : 9] 1920×1080 / 1280×720 / 640×360 / 320×180
	H.265/ H.264 JPEG (MJPEG)	•[4 : 3] 2048×1536* / 1280×960 / 800×600 / VGA / 400×300 / QVGA
		*Used by super resolution techniques
	H.265/ H.264 [6]	Transmission Mode	Constant bit rate / VBR / Frame rate / Best effort
		Transmission Type	Unicast / Multicast
	JPEG	Image Quality	10 steps

*1 Converted value   *2 When 60 fps is selected, the Super Dynamic function is automatically set to off.
*3 Stabilizer, Auto track, Smart Facial Coding, i-VMD, can not be used at the same time.
*4 If it is out of the recommended range, part of the image may be missing.
*5 H.265/H.264 can be selected for each stream.
*6 Transmission for 4 streams can be individually set.

Network		
	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 [7] : 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™ mobile terminals
Alarm	Alarm Source	3 terminals input, VMD alarm [8], 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 [9]	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, EN55024
	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 °C to +60 °C {–58 °F to +140 °F} (AC 24 V/ Tested PoE injector (60 W))*10 –30 °C to +60 °C {–22 °F to +140 °F} (PoE+ device)*10 {Power On range: –30 °C to +60 °C (–22 °F to +140 °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

*7 When recording audio on an SD memory card, only use AAC-LC (Advanced Audio Coding - Low Complexity).
*8 Including alarms from Plug-in Software
*9 The audio output can be switched to the monitor output. Refer to the Operating Instructions on the Panasonic support web site for descriptions of how to switch the output.
*10 When using with the IR LED light constantly lit, the upper limit of the operating temperature range is +45°C {+113 °F}.

Appearance

Unit : mm (inches)

500(19-11/16")
415(16-11/32")
ø226(ø8-29/32")
465(18-5/16")
Remove ATTACHMENT
ø226(ø8-29/32")
ø249(ø9-13/16")
52(2-1/16")
136(5-11/32")
86(3-3/8")

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Important
– Safety Precaution : Carefully read the Important Information, Installation Guide and operating instructions before using this product.
– Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.
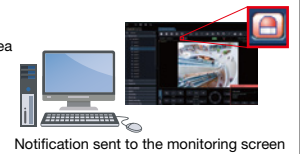
• Masses and dimensions are approximate.   • Specifications are subject to change without notice.

Bundled License

Plug-in Software for i-VMD

i-VMD is possible to detect objects in the specified area by advanced video analysis technology.

i-VMD : Intruder Detection, Loitering Detection, Direction Detection, Scene Change Detection, Object Detection, Cross Line Detection

Notification sent to the monitoring screen

Optional Accessories

Ceiling Mount Bracket
WV-Q121B

Pole Mount Bracket
WV-Q188
(Fine silver)

Corner Mount Bracket
WV-Q189
(Fine silver)

Extension Unit
WV-X65F1
(Fine silver)

Wall Mount Bracket
WV-Q122A
(Fine silver)
Different Color Model
WV-Q185 (Light gray)

Different Color Model
WV-Q182
(Light gray)
(These brackets are used with WV-Q122A or WV-Q185.)

Different Color Model
WV-Q183
(Light gray)
(These brackets are used with WV-Q122A or WV-Q185.)

• The brackets are available in two colors, Fine silver and Light gray. It is possible to use them in the different color combination.

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