

40x Intelligent Zoom Stabilization iA PTZ Camera

WV-X6531NS

Outdoor PTZ Network Camera



KEY FEATURES

- Full-HD 1920x1080 60fps
- Intelligent Zoom Stabilization with 40x optical zoom
- ClearSight Coating
- Durable Pan/Tilt gear mechanism
- iA (intelligent Auto)

Click below for more of our salt-resistant lineup:

WV-S1531LNS



WV-SUD638/
WV-SUD638B



i-PRO
EXTREME

Panasonic is introducing a new network camera range with special coating to protect against salt corrosion; combining Full HD resolution with the latest [Smart Coding technology](#), capable of significantly reducing storage and network bandwidth.

This weatherproof and salt-damage resistant PTZ dome camera is part of the [i-PRO Extreme CCTV camera platform](#) belonging to our new H.265 eco system. Its unique anti-salt air corrosion protection makes the camera ideal for seaside operations in ports, on ships or bridges and many more applications, extending tradiional city surveillance towards coastal operations.



The ultra-durable Panasonic WV-X6531NS captures the highest quality images automatically even in very challenging, fast-changing and rough salt-exposed surveillance environments. It features outstanding Intelligent Zoom Stabilization to increase visibility under blurred conditions, as well as 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](#), the dome camera intelligently reduces bandwidth efficiency of up to 95%^{*1} over H.264 for longer recording and less storage.

Built-in Vehicle Incident Detection enables the WV-X6531NS to identify wrong-way driving or stopping vehicles through video analytic technology and send an alarm to the Video Management and/or Traffic Management System for immediate action. This function is embedded into the camera, therefore no additional server is required.



Moreover, the application of [ClearSight Coating](#) provides clearer visibility, allowing good security to be maintained even when the CCTV camera is installed in environments subject to rain or water splashing. This application makes sure good visibility is kept even when water droplets splash on the dome cover; in addition the coating resists the attachment of dirt, therefore allowing the dirt to easily wash when exposed to water enabling a clearer view. Our unique [ClearSight Coating](#) is even touchable, making installation and maintenance easy to handle.



SPECIFICATIONS

Image Sensor	Approx. 1/2.8 type MOS image sensor
Minimum Illumination	Color : 0.015 lx, BW : 0.006 lx (F1.6, Maximum shutter : Off (1/30s), AGC : 11) Color : 0.001 lx, BW : 0.0004 lx (F1.6, Maximum shutter : Max. 16/30s, AGC : 11) *Converted value
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 / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
Video Motion Detection (VMD)	On / Off, 4 areas available
Intelligent VMD (i-VMD)	Type4 *optional plug-in software WV-SAE200
Vehicle Incident Detection	Detect "Stopped Vehicle" and "Wrong-way" *optional plug-in software WV-XAE100W
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)
Zoom Ratio	40x Optical
Digital (Electronic) Zoom	16x
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 {9ft 10-1/8 inches} - ?
Angular Field of View	[16 : 9 mode] Horizontal : 2.1° (TELE) to 65° (WIDE) Vertical : 1.2° (TELE) to 39° (WIDE) [4 : 3 mode] Horizontal : 1.6° (TELE) to 51° (WIDE) Vertical : 1.2° (TELE) to 39° (WIDE)
Panning Range	360° Endless panning
Panning Speed	Manual : Approx. 0.065°/s to 120°/s Preset : Up to approx. 300°/s
Tilting Range	Operational range : -15° to 195° (level – downward – level) Recommended range : 0° to 180° Selectable tilting angle : 10° / 5° / 3° / 0° / -3° / -5° / -10° / -15°
Tilting Speed	Manual: Approx. 0.065°/s to 120°/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
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 IF	10Base-T / 100Base-TX, RJ45 connector
Image Resolution	•2 mega pixel [16 : 9] (30/60 fps) 1920×1080, 1280×720, 640×360, 320×180 •3 mega pixel [4 : 3] (30 fps) 2048×1536*, 1280×960, 800×600, VGA, 400×300, QVGA *Used by super resolution techniques
H.265 / H.264	[Transmission Mode] Constant bit rate / Variable bit rate / 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) : On (Advanced)* / On (Low) / On (Mid) / Off *On(Advanced) is 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, DiffServ, IEEE802.1X IPv4 : TCP/IP, UDP/IP, HTTP, HTTPS, RTSP, RTP, RTP/RTCP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, UPnP, IGMP, ICMP, ARP, DiffServ, IEEE802.1X
No. of Simultaneous Users	Up to 14 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 JPEG recording : Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SD (SDHC/SDXC) 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
Alarm Source	3 terminals input, VMD, 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 alarm protocol output
Audio Input	ø3.5 mm stereo mini jack (monaural input) Input impedance: Approx. 2 k Ω (unbalanced) (Applicable microphone : Plug-in power type) Supply voltage : 4.0 V \pm 0.5 V
Audio Output	ø3.5 mm stereo mini jack (monaural output) Output impedance : Approx. 600 Ω (unbalanced)
External I/O Terminals	ALARM IN 1 (Black & white input, Auto time adjustment input) (x1), ALARM IN 2 (ALARM OUT) (x1), ALARM IN 3 (AUX OUT) (x1)
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	AC24 V 3.4 A, Approx. 55 W PoE+ (IEEE802.3at compliant): DC 54V 470 mA, Approx. 25 W 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)) -30 °C to +60 °C {-22 °F to +140 °F} (PoE+ device) {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 (UL50), NEMA 4X compliant
Shock Resistance	IK10 (IEC 62262)
Salt Damage Resistance	ISO14993 compliant
Dimensions	Maximum ø229 mm x 393 (H) mm {ø9-1/32 inches x 15-15/32 inches (H)}
Mass (Approx.)	Approx. 5.2 kg {11.47 lbs}
Finish	Main body :Aluminum die cast, Natural silver Sunshields :ABS+PC resin coating, Natural silver Outer fixing screws :Stainless steel (Corrosion-resistant treatment) Dome cover :Polycarbonate resin (with ClearSight coating (rain wash coating)), Clear

URL: <https://business.panasonic.co.uk/security-solutions/ip-network-ptz-dome-cctv-cameras/weatherproof-salt-damage-resistant-ptz-dome-network-camera-wv-x6531ns>

CONTACT

Web: <https://business.panasonic.co.uk/security-solutions/contact-us>