

# Innovative Industrial Solutions

I.I.S.

## Panasonic S61301-Z2



New HD PoE PTZ Dome from Panasonic that will replace the 385 HD will still be available in the Custom Industrial Strength Housing from I.I.S. All cameras equipped with an I.I.S. Quick Connect Mounting System and 24" tether for FME.

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. New industry-leading 144dB dynamic range delivers balanced scene exposure in dynamic and extreme-backlit lighting environments. In addition, color night vision provides outstanding low-light performance with accurate color rendition and saturation from i-Pro's 1/3" sensor, rivaling the performance of costlier 1/2" sensor cameras in the market. Adopting H.265 Smart Coding technology, intelligently reduces band width efficiency of up to 95%\* over H.264 for longer recording and less storage.



- Full-HD 1920x1080 60fps
- Durable Pan/Tilt gear mechanism
- intelligent Auto (with AI Engine)
- Extreme Super Dynamic 144dB
- Color night vision (0.001 to 0.015 lx)

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Camera	Image Sensor	Approx. 1/2.9 type MOS image sensor
	Minimum Illumination	Color : 0.015 lx, BW : 0.006 lx (F1.6, Maximum shutter : Off (1/30 s), AGC : 11) 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 <sup>2</sup>	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 (SOC)
	Video Motion Detection (VMD)	On / Off, 4 areas available
	Intelligent VMD (i-VMD) <sup>3</sup>	Type 4 *optional plug-in software WV-SAE200
	Stabilizer <sup>3</sup>	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	21x Optical, 31x with HD Extra Optical Zoom (Resolution 1280x720)
	Digital (electronic) zoom	16x
	Focal length	4.0 mm – 84.6 mm (5/32 inches – 3 -11/32 inches)
	Maximum Aperture Ratio	1 : 1.6 (WIDE) – 1 : 4.5 (TELE)
	Focus range	1.5 m (4ft 11 - 1/16 inches) – ∞
	Angular Field of view	[16 : 9 mode] Horizontal : 3.5 ° (TELE) – 74 ° (WIDE) Vertical : 2.0 ° (TELE) – 42 ° (WIDE)
		[4 : 3 mode] Horizontal : 3.0 ° (TELE) – 61 ° (WIDE) Vertical : 2.3 ° (TELE) – 46 ° (WIDE)
Pan/tilt	Panning Range	0° – 350°
	Panning Speed	Manual : Approx. 0.5°/s – 100°/s Preset : Up to approx. 300°/s
	Tilting Range	Operational range: -30 ° – 90 ° (level – downward)
	Tilting Speed	Manual : Approx. 0.5°/s – 100°/s Preset : Up to approx. 100°/s
	Preset Positions	256 positions
	Auto Mode	Auto track <sup>3</sup> / 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	10 Base-T / 100 Base-TX, RJ45 connector
	Resolution	<b>*2 mega pixel [16 : 9] (30/60 fps)</b> 1920x1080, 1280x720, 640x360, 320x180
	H.265/ H.264	<b>*3 mega pixel [4 : 3] (30 fps)</b> 2048x1536*, 1280x960, 800x600, VGA, 400x300, QVGA
	JPEG (MJPEG)	*Used by super resolution techniques
	H.265/ H.264 <sup>4</sup>	Transmission Mode Constant bit rate / VBR / Frame rate / Best effort
	Transmission Type	Unicast / Multicast
	JPEG Image Quality	10 steps
Network	Smart Coding	Smart Facial Coding <sup>3</sup> : On(Smart Facial Coding)/ On(AUTO VIOS)/ Off * Smart Facial Coding is only available with Stream(1). GOP(Group of pictures) control : 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 <sup>5</sup> : 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	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 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 Source	3 terminals input, VMD alarm <sup>6</sup> , 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
	Monitor Output (for confirmation)	VBS : 1.0 V [p-p] / 75 Ω, composite, ø3.5 mm mini jack An NTSC or PAL signal can be outputted from camera
Input/ Output	Audio Input	ø3.5 mm stereo mini jack (stereo input) Input impedance: Approx. 2 kΩ (unbalanced) (Applicable microphone: Plug-in power type) Supply voltage: 2.5 V ± 0.5 V
	Audio Output	ø3.5 mm stereo mini jack (stereo 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)
	Power Source and Power Consumption	DC12 V 1 A, Approx. 12 W PoE(IEEE802.3af) DC 48 V 250 mA, Approx. 12 W (Class0 device)
	Ambient Operating Temperature	-10 °C to +50 °C (14 °F to 122 °F) (Ceiling / Camera mount bracket) -10 °C to +40 °C (14 °F to 104 °F) (Desktop / Tripod)
	Ambient Operating Humidity	10 to 90 % (no condensation)
	Dimensions	<b>Including the decorative cover</b> ø185 mm × 157 mm (H) (ø7-9/32 inches × 6-3/16 inches (H)) <b>Excluding the decorative cover(place the camera upside-down)</b> ø115 mm × 155 mm (H) (ø4-17/32 inches × 6-3/32 inches (H))
	Mass (approx.)	Approx. 1.1 kg (2.43 lbs) Including Camera mount bracket, decorative cover : Approx. 200 g (0.44 lbs)

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