

Innovative Industrial Solutions



I.I.S.

Panasonic S6530N

The S6530N captures the highest quality images automatically even in very challenging and fast-changing surveillance environments. 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

- Full-HD 1920x1080 60fps
- ClearSight Coating
- Durable Pan/Tilt gear mechanism
- iA (intelligent Auto) • Extreme Super Dynamic 144dB
- Color night vision (0.001 to 0.015 lx)
- IP66, IK10 certified
- Wider operating temperature range -40°C to +60°C (-40°F to +140°F) *When using 24 V AC power supply



Innovative Industrial Solutions, Inc.

2830 Skyline Drive Russellville, AR 72802

Phone (479) 968-4266

Fax (479) 890-9072

www.i-i-s.net

Innovative Industrial Solutions



I.I.S.

Panasonic S6530N

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 (1/30s), 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 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 / Auto1 (Normal) / Auto2 (IR Light) / Auto3 (SCC)
	Video Motion Detection(VMD)	On / Off, 4 areas available
	Intelligent VMD (i-VMD) ³	Type 4 *optional plug-in software WV-SAE200
	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	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 : 3.4 ° (TELE) – 73 ° (WIDE) Vertical : 2.0 ° (TELE) – 42 ° (WIDE) [4 : 3 mode] Horizontal : 2.9 ° (TELE) – 61 ° (WIDE) Vertical : 2.2 ° (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) Recommended range ⁴ : 0° – 90° Selectable tilting angle : 10 °/ 5 °/ 3 °/ 0 ° *5/ -3 °/ -5 °/ -10 °/ -15 °/ -20 °/ -25 °/ -30 °/
	Tilting Speed	Manual : Approx. 0.5 °/s - 100 °/s Preset : Up to approx. 100°/s
	Preset Positions	256 positions
	Auto Mode	Auto track ³ / Auto pan/ Preset sequence/ Patrol
Browser GUI	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
Network	GUI / Setup Menu Language	English, Italian, French, German, Spanish, Portuguese, Russian, Chinese, Japanese
	Network IF	10Base-T / 100Base-TX, RJ45 connector
	Resolution	*2 mega pixel [16 : 9] (30/60 fps) 1920x1080, 1280x720, 640x360, 320x180
	H.265/ H.264 JPEG (MJPEG)	*3 mega pixel [4 : 3] (30 fps) 2048x1536 ⁵ , 1280x960, 800x600, VGA, 400x300, QVGA *Used by super resolution techniques
	H.265/ H.264 ⁶ JPEG	Transmission Mode : Constant bit rate / VBR / Frame rate / Best effort Transmission Type : Unicast / Multicast Image Quality : 10 steps

Network	Smart Coding	Smart Facial Coding ³ : On(Smart Facial Coding)/ On(AUTO VIQS)/ 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 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
Alarm	Maximum concurrent access number	Up to 14 users (Depends on network conditions)
	SDXC/SDHC/SD	H.265 / H.264 recording : Manual REC / Alarm REC (Pre/Post) / Schedule REC / Backup upon network failure
	Memory Card (Option)	JPEG recording : Manual REC / Alarm REC (Pre/Post) / Backup upon network failure Compatible SDXC/SDHC/SD memory card : Panasonic 2 GB, 4 GB ⁸ , 8 GB ⁸ , 16 GB ⁸ , 32 GB ⁸ , 64 GB ⁸ , 128 GB ⁸ 256 GB ⁸ model *SDHC card, ** SDXC card (except miniSD card and microSD card)
	Mobile Terminal Compatibility	iPad / iPhone, Android™ mobile terminals
Input/ Output	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
General	Audio Input	ø3.5 mm stereo mini jack (stereo input) 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 (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)
General	Power Source and Power Consumption	AC24 V(50 Hz/60 Hz), 2.7 A Approx. 43 W PoE+ (IEEE802.3at) DC 54 V 430 mA, Approx. 22 W(Class4 device)
	Ambient Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F) (AC 24 V) -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 4 (UL50), NEMA 4 compliant
	Shock Resistance	IK10 (IEC62262)
	Dimensions	Maximum ø29 mm x 393 (H) mm(ø9-1/32 inches x 15-15/32 inches (H))
	Mass (approx.)	Approx. 4.8 kg (10.58 lbs) (including attachment pipe: Approx. 200g (0.44 lbs))
	Finish	Main body : Aluminum die cast, Natural silver Sunshields : ABS+PC resin coating, Natural silver Outer fixing screws : SUS (Corrosion-resistant treatment) Dome cover : Polycarbonate resin (with ClearSight coating (rain wash coating)), Clear

Innovative Industrial Solutions, Inc.

2830 Skyline Drive Russellville, AR 72802

Phone (479) 968-4266

Fax (479) 890-9072

www.i-i-s.net