

CCTV IP / Professional IP cameras

SF-IPD821WHA-4PW

Smart detection IP Camera

Smart Detection ULTRA Series

This range combines high image quality and resolution sensors with powerful advanced features for a highly flexible solution. Intelligent VCA detection with line/area and object crossover. 120dB wide dynamic range (WDR) to overcome adverse lighting situations. Microphone or AUDIO inputs/outputs together with relay output to extend versatility of use. SUPERPOE power supply achieves long cabling range (300m) in industrial or rural installations. Convenient integrated junction box (*depending on model).

- 3.6 Megapixels Resolution
- 1/2.7" High Performance CMOS Sensor
- 2.8 mm Fixed Lens
- H.265+ High Efficiency Video Codec
- Built-in two-way Audio
- IP66



Technical Specification

Sensor de imagen	1/2.7" Progressive Scan CMOS
Iluminación mínima	0.005 Lux @ (F1.6, AGC ON)
Velocidad de obturación	1/3 s to 1/100,000 s
P/N	P/N
Wide dynamic range	120 dB
Día y Noche	ICR Cut
Ajuste de ángulo	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Tipo de lente y FOV	2.8 mm, horizontal FOV 95°, vertical FOV 53°, diagonal FOV 111° 4 mm, horizontal FOV 77°, vertical FOV 41°, diagonal FOV 90°
Apertura	F1.6
Montura del lente	M12
Luz de suplemento inteligente	Yes
Rango IR	Up to 30 m
Longitud de onda	850 nm
Max. Resolución	2560 × 1440
Main stream	50Hz: 20 fps (2560 × 1440) 25 fps (2304 × 1296, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1440) 30 fps (2304 × 1296, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25 fps (640 × 360) 60Hz: 30 fps (640 × 360)
Compresión de video	Main stream: H.265/H.264 Sub-stream: H.265/H.264
Vídeo bitrate	32 Kbps to 8 Mbps
Tipo H.264	BaseLine Profile/Main Profile/High Profile
Tipo H.265	Main Profile
H.264 +	Main stream supports
H.265 +	Main stream supports
Bit Rate Control	CBR/VBR
Filtro de ruido ambiental	Yes
Frecuencia de muestreo de audio	8 kHz/16 kHz
Compresión de audio	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC
Velocidad de bits de audio	64Kbps(G.711 ulaw)/64Kbps(G.711 alaw)/16Kbps(G.722.1)/16Kbps(G.726)/32 to 160Kbps(MP2L2)/16 to 64Kbps(AAC)
Vista en vivo simultánea	Up to 6 channels
API	ISAPI, SDK

Protocolos	TCP/IP, ICMP, DHCP, DNS, DDNS, HTTP, HTTPS, RTP, RTSP, NTP, UPnP, IGMP, IPv6, UDP, QoS, Bonjour
Usuario/operador	Up to 32 users 3 levels: Administrator, Operator and User
Seguridad	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS
Almacenamiento en red	MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS(NFS, SMB/CIFS), auto network replenishment (ANR)
Cliente	Wired network: Safire Control Center, Safire Connect Wi-Fi: Safire Control Center
Navegador web	Plug-in required live view: IE 10, IE 11 Local service: Chrome 57.0+, Firefox 52.0+
Modo de encriptación	64/128-bit WEP, WPA-EAP/WPA2-EAP, WPA-PSK/WPA2-PSK
Protocolo de Wi-Fi	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM Supports Hotspot connection
Rango de frecuencia	2.412 GHz - 2.472 GHz
Canal de ancho de banda	20/40 MHz
Modulación	802.11b: CCK, QPSK, BPSK 802.11g/n: OFDM
Alcance inalámbrico	Up to 120 m (The performance varies based on actual environment)
Ratio de transferencia	300 Mbps
Interruptor día/noche	Day, Night, Auto, Schedule
Mejora de la imagen	BLC, HLC, 3D DNR
Configuración de imagen	Mirror, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
SNR	≥ 52 dB
Almacenamiento a bordo	Built-in micro SD/SDHC/SDXC slot, up to 256 GB
Restablecimiento de hardware	Yes
Interfaz de comunicación	1 RJ45 10M/100M self-adaptive Ethernet port
Evento Básico	Motion detection, audible alarm output, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Método de enlace	Upload to memory card/NAS, notify surveillance center, trigger record, trigger capture, audible warning
Idioma del cliente web	English
Función general	Anti-flicker, heartbeat, password reset via e-mail
Reinicio de software	Yes
Condiciones de almacenaje	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Condiciones de inicio y funcionamiento	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Fuente de alimentación	12 VDC ± 25%
Consumo de energía y corriente	12 VDC, 0.6 A, max. 7 W
Interfaz de energía	Ø5.5 mm coaxial power plug
Material	Polycarbonate cover, polycarbonate body

Dimensión de la cámara	Ø126.0 × 96.1 mm (Ø5.0" × 3.8")
Dimensión del paquete	170 × 170 × 150 mm (7.0" × 7.0" × 5.9")
Peso de la cámara	Approx. 590 g (1.3 lb.)
Con peso del paquete	Approx. 989 g (2.2 lb.)
EMC	FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC VoC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
RF	FCC ID (FCC Part 15.247(BT or 2.4G)); IC ID (RSS-247(BT or 2.4G)); CE-RED (EN 301489-1 V2.1.1(BT or 2.4G); EN 301489-17 V3.1.1(BT or 2.4G); EN 300328 V2.1.1(BT or 2.4G); EN 62311:2008(BT or 2.4G)); WPC (EN 301 489-1 V2.1.1(BT or 2.4G); EN 301 489-17 V3.1.1(BT or 2.4G); EN 300 328 V2.1.1(BT or 2.4G); EN 62311:2008(BT or 2.4G); EN 55032:2015; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 50130-4:2011 +A1:2014); KC (KN 32:2015; KN 35: 2015; KN 301489-1; KN 301489-17); ICASA (EN 301 489-1 V2.1.1(BT or 2.4G); EN 301 489-17 V3.1.1(BT or 2.4G); EN 300 328 V2.1.1(BT or 2.4G); EN 62311:2008(BT or 2.4G); EN 55032:2015; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 50130-4:2011 +A1:2014; EN 60950-1:2005 + Am 1:2009 + Am 2:2013)
Seguridad	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1)
Ambiente	CE-RoHS (2011/65/EU) WEEE (2012/19/EU) Reach Regulation (EC) No 1907/2006
Protección	IP66 (IEC 60529-2013)