SIMCO GROUP S.A.S
SUMINISTRO, INGENIERIA, MANTENIMIENTO Y CONSTRUCCION S.A.S
NIT: 901.094.964-6

CONDICIONES TECNICAS

TUNJA, 16 DE DICIEMBRE DE 2024

Señores
DIRECCION EJECUTIVA SECCIONAL DE ADMINISTRACION JUDICIAL DE TUNJA
Carrera 9 Nº 20-62 Piso 2
Tunja

Referencia: Invitación Pública Proceso de Mínima Cuantía No. DESAJTU-MC-044 DE 2024

Objeto: **"CONTRATAR EN NOMBRE DE LA NACIÓN - CONSEJO SUPERIOR DE LA JUDICATURA - DIRECCIÓN EJECUTIVA SECCIONAL DE ADMINISTRACIÓN JUDICIAL DE TUNJA, LA COMPRA E INSTALACIÓN DE EQUIPO PARA CIRCUITO CERRADO DE TV - VIDEOGRABACIÓN Y VIGILANCIA PARA ALGUNAS SEDES DONDE FUNCIONAN DESPACHOS JUDICIALES DE LOS DISTRITOS DE TUNJA Y SANTA ROSA DE VITERBO."**

El suscrito, CESAR AUGUSTO CAMARGO RODRIGUEZ, identificado con la cedula de ciudadanía N° 1.235.243.949 de Tunja, actuando en representación legal de la sociedad SUMINSTRO INGENIERIA MANTENIMIENTO Y CONSTRUCCION SAS (SIMCO GROUP SAS), identificada con el NIT: 901.094.964-6 por medio de la presente, manifiesto bajo la gravedad de juramento que cumpliré con las especificaciones técnicas establecidas en la invitación pública y sus Adendas.

ITEM	ELEMENTO	CANTIDAD	ESPECIFICACIONES	U. MED	No CCTVA A INSTALAR	CUMPLE
1	UPS	1	Capacidad: 1000VA/900W Batería Tipo y cantidad de baterías: 12V / 9Ah (2) Entrada Tensión nominal: 110-127VCA Margen de tensión (transferencia por baja tensión): 90VCA / 80VCA / 70VCA / 60VCA ± 3% (basado en un porcentaje de carga del 100%-80% Salida Tensión nominal: 110 / 115 / 120 / 127VCA Regulación de la tensión de CA (modo de batería): ± 1% Comunicaciones Puertos de comunicación: SNMP, RS-232, USB Software de administración de energía	UND	2	SI
2	NVR	1	Grabador NVR, 8/16 Canales, 4K, 16 puertos POE, H265+ H264+, 2HDD, Tecnología PoE (Power over Ethernet)	UND	2	SI
3	CAMARA DOMO	3	Condiciones de operación: -30 ° C ~ 60 ° C (-22 ° F ~ 140 ° F) Humedad 95% o menos (sin condensación) Fuente de Alimentación: 12 VDC ± 25%, PoE (802.3af Class3) • El consumo de energía: 12 VDC, 0.5A, máx Protección contra impactos: IK10 Prueba de clima: IP67 Rango IR: Hasta 30m. Video 8MP 4K UHD (3840 x 2160) a 20 fps LED IR inteligentes y ocultos con visión nocturna con un alcance de 30 metros (98 pies). Para exteriores, con clasificación climática IP67 Equilibrado de imagen Wide Dynamic Range de 120dB Tecnología PoE (Power over Ethernet) Programación de la grabación activada por la detección de movimientos y envío de alertas por correo electrónico Apps gratuitas	UND	2	SI

4	CAMARA BULLET	3	Video 8MP 4K UHD (3840 x 2160) a 20 fps LED IR inteligentes y ocultos con visión nocturna con un alcance de 30 metros (98 pies). Para exteriores, con clasificación climática IP67 Equilibrado de imagen Wide Dynamic Range de 120dB Tecnología PoE (Power over Ethernet) Programación de la grabación activada por la detección de movimientos y envío de alertas por correo electrónico Apps gratuitas	UND	2	SI
5	MONITOR	1	Imagen y Pantalla Tipo de Pantalla LED Resolución Pantalla FHD Diseño de la pantalla Plano Tamaño Pantalla > 24 a 32 Pulgadas Contraste 3,000:1(Typ.) Velocidad de Respuesta del Monitor 5 Milisegundos Conectividad Fuentes de Alimentación de Energía: Energía Eléctrica Tipos de Puertos Entradas y Salidas Puerto DVI Puerto HDMI	UND	2	SI
6	INSTALACION EQUIPOS Y MAS	1	Instalación y puesta en funcionamiento (incluye cableado y configuración)	UND	2	SI

Atentamente:

FIRMA: _____
PROPONENTE: SIMCO GROUP S.A.S
NIT: 901.094.964-6
REPRESENTANTE LEGAL: CESAR AUGUSTO CAMARGO RODRIGUEZ.
CEDULA DE CIUDADANIA: 1.235.243.949
DIRECCION: CALLE 8 # 10-30 EDIF URBANO 810 TO 2 OFIC 304
CIUDAD: TUNJA – BOYACÁ.
CELULAR: 316 490 9998.
CORREO ELECTRONICO: simcogroupsas@gmail.com.

Ficha Técnica
Data Sheet

1kVA



Plug & Play

Metion®
Óptimo Voltaje

UPS
ON-LINE
Monofásica
FP 0.9

V1.0225F

Aplicaciones

UPS
On-Line 1kVA Monofásica

Equipo Médico

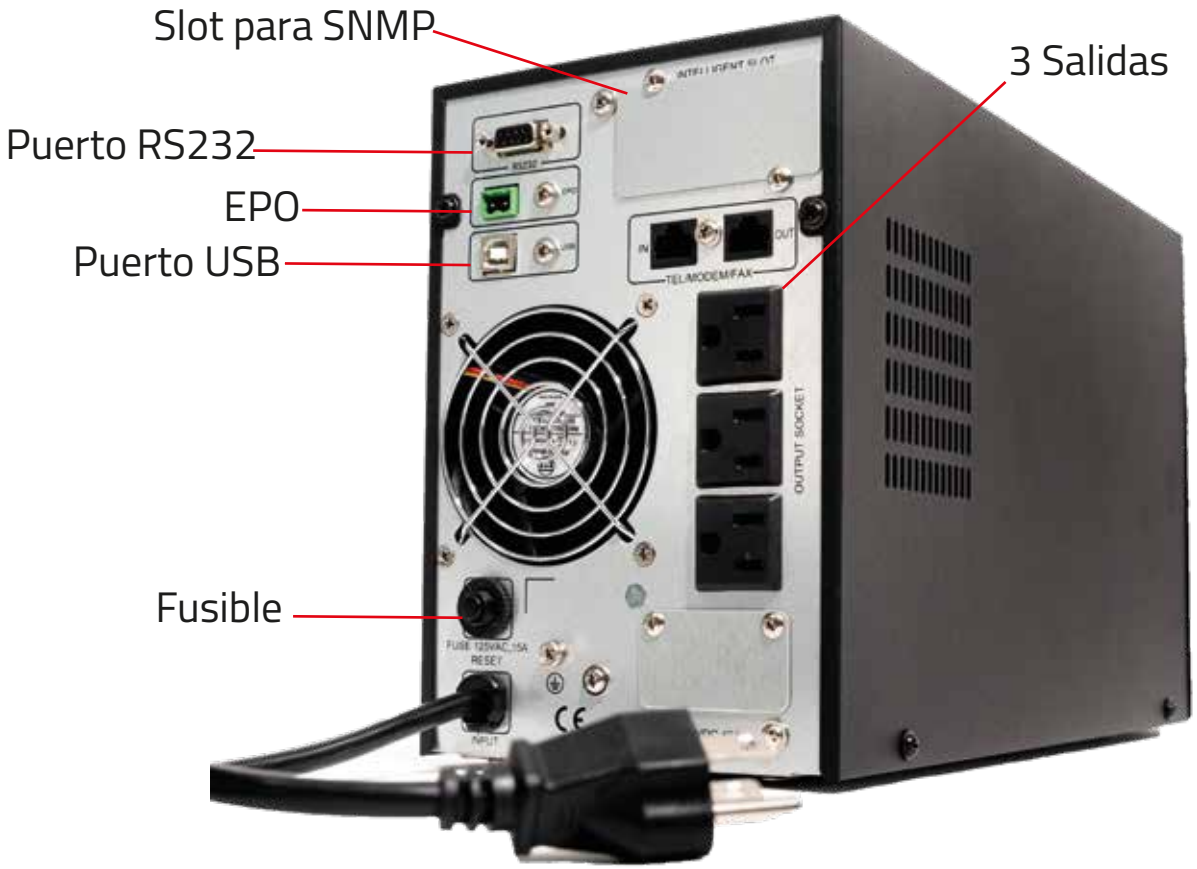
Artes Gráficas

Centros de Cómputo

Cajeros Automáticos

Características

- Alta frecuencia | Doble conversión
- Entrada con corrección de factor
- Amplio rango voltaje de entrada
- Encendido en frío
- Frecuencia de auto-sensado
- Protección contra corto circuito
- Modo ECO de operación
- Voltaje de salida seleccionable LCD
- Salida Bypass seteable via LCD
- Frecuencia 50Hz / 60Hz
- Sistema BMS
- EPO Apagado de emergencia



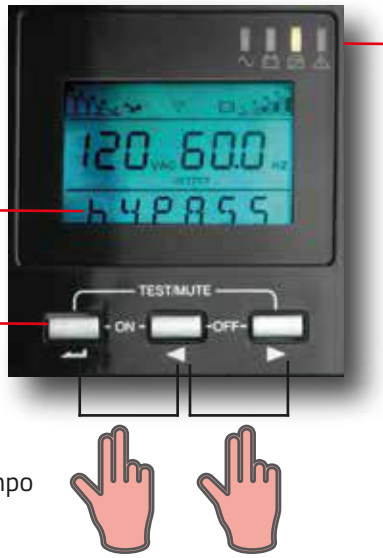
Componentes

UPS
On-Line 1kVA Monofásica F.P 0.9

Tipo de Clavija:
5-15P



Display:



Encendido:
Oprimir por 3 segundos el boton de la izquierda y del centro al tiempo

Apagado:
Oprimir por 3 segundos el boton del centro y de la derecha al tiempo

Accesorios:



CD



CABLE USB



EPO

Características Técnicas

Capacidad / Modelo	1kVA / EA901II
Tipo de UPS	Tecnología Online de Doble Conversión
Tecnología del Inversor	Tecnología PWM Senoidal de Alta Frecuencia con IGBT
Tipo de Control	Alto Desempeño procesado por DSP
Especificaciones de Entrada	
Topología de Entrada	Monofásica (F-N-T) 3 Hilos
Voltaje Nominal Entrada	120VAC
Número de Hilos	3 Hilos (Fase + Neutro + Tierra)
Voltaje Pernitido por el Rectificador	120VAC -28% ~ +25% (85 ~150VAC)
Rango de Frecuencia de Entrada	50Hz ±4Hz / 60Hz ±4Hz
Factor de Potencia de Entrada	>0.98
Limitación de Corriente de Entrada	150% sistema inversor transfiere a Bypass
Distorsión Armónica de Entrada	5%THDI
Conexión / Clavija de Entrada	Clavija / NEMA 5-15P
Rango del Bypass	(90VAC) a (Voltaje configurado de salida + 15VAC)
Especificaciones de Salida	
Voltaje de Salida y Precisión	120VAC +/- 1%
Factor de Potencia de Salida	0,9
Potencia	1000VA / 900W
Tipo de Onda de Salida	Senoidal Pura de Salida
Voltajes de Salida configurables por LCD	100VAC / 110VAC / 115VAC / 127VAC
Tiempo de Transferencia	0 ms
Capacidad de Sobrecarga	105% a 150% después de 30 segundos, transfiere a bypass, >150% despues de 300ms, transfiere a bypass .
Capacidad de Sobrecarg en Batería	102~130% por 10 segundos; > 130% por 1 segundo.
Conexión de Salida	3 Tomas NEMA 5-15R
Eficiencia al 100% Carga	Modo Linea >80% / Modo Batería >87% / Modo ECO >96%
Distorsión Armónica de Salida	THD<2% 100% de Carga Líneal / THD<5% 100% de Carga no Líneal
Factor de Cresta	3:1
Frecuencia Nominal de Salida	50Hz/60Hz
Regulación de Frecuencia	+/-0,2Hz en Modo Batería / +/-0,2Hz en Modo Red

Algunas especificaciones pueden variar sin previo aviso

Características Técnicas

Modo Especial de Operación	ECO (Economico) Modo de Alta Eficiencia
Proteccion EMI/RFI	Filtros EMI/RFI Salida y Entrada
Tipo de Gabinete	Tipo Torre para Interiores, Color Negro mate con Frente Plastico
Puerto EPO	Si, Color Verde con Cable en Bucle Color Rojo.
Especificaciones Baterías	
Tipo de Batería	Batería sellada libres de mantenimiento VRLA - AGM, en material ABS según (UL94V-0) Tipo FR (Flame Retardant) UL 1989
Voltaje DC y Referencia	24VDC, 2 x 12V / 9AH
Tiempo de Autonomía al 100% Carga	3 Minutos
Maxima Autonomía Externa	Soporta 2 bancos adicionales / Con tarjeta Cargadora (opcional) > 1hora
Tiempo Maximo de Recarga	5 Horas al 90%
Tecnología del Cargador	Sistema ABM, con cargador de tres etapas/ Corriente = 1A
Tarjeta cargadora externa (opcional)	5A / 27 VDC Flotación
Especificaciones Ambientales	
Ruido Audible @ 1m	<45 dB
Humedad Relativa	De 0 a 95% sin condensación
Temperatura Ambiente de Operación	De 0 °C a 40 °C.
Otras Especificaciones	
Display	Se puede visualizar en el display: Voltaje de entrada/Salida, Potencia Entrada VA/W Voltaje DC y Frecuencia Nivel de Carga en baterías, Nivel de carga conectada a la UPS, Modo de operación (Byp/Line/Stdy)
Dimensiones (mm) (Ancho x Profundo x Alto)	144 x 357 x 215 mm
Peso	10 kg
Conexión Banco Externo	Conector Anderson
Protecciones	Conector EPO Apagado de emergencia modo NC / Reset térmico
Puertos de Comunicación	La UPS puede ser monitoreada por un PC vía USB, RS232 - Puerto SNMP para tarjeta monitoreo remoto (Opcional)
Software	Winpower, Windows XP, Windows 7, Windows 10 , Linux.

Escanéa el QR
y Accede al video del producto

DS-7716NXI-K4/16P
16-ch 1.5U 16 PoE K Series AcuSense 4K



Key Feature

- Up to 16-ch IP camera inputs, plug & play with 16 power-over-Ethernet (PoE) interfaces
- H.265+/H.265/H.264+/H.264 video formats
- Up to 2-ch@12 MP or 3-ch@8 MP or 6-ch@4 MP or 12-ch@1080p decoding capacity
- Up to 160 Mbps incoming bandwidth
- Adopt Hikvision Acusense technology to minimize manual effort and security costs



Smart Function

- All channels support Motion Detection 2.0
- 2-ch video analysis for human and vehicle recognition to reduce false alarm
- 1-ch facial recognition for video stream, or 4-ch facial recognition for face picture
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency

Professional and Reliability

- H.265+ compression effectively reduces the storage space by up to 75%
- Adopt stream over TLS encryption technology which provides more secure stream transmission service

HD Video Output

- Provide independent HDMI and VGA outputs
- HDMI video output at up to 4K resolution

Storage and Playback

- Up to 4 SATA interfaces for HDD connection (up to 10 TB capacity per HDD)
- 16-ch synchronous playback

Network & Ethernet Access

- 16 independent PoE network interfaces
- 1 self-adaptive 10/100/1000 Mbps Ethernet interface
- Hik-Connect for easy network management

▪ Specification

Intelligent Analytics	
AI by Device	Facial recognition, perimeter protection, motion detection 2.0
AI by Camera	Facial recognition, perimeter protection, throwing objects from building, motion detection2.0, ANPR, VCA
Facial Recognition	
Facial Detection and Analytics	Face picture comparison, human face capture, face picture search
Face Picture Library	Up to 16 face picture libraries, with up to 20,000 face pictures in total (each picture ≤ 4 MB, total capacity ≤ 1 GB)
Facial Detection and Analytics Performance	1-ch, 8 MP
Face Picture Comparison	4-ch
Motion Detection 2.0	
By Device	All channels, up to 4 MP (when enhanced SVC mode is enabled, up to 8 MP) video analysis for human and vehicle recognition to reduce false alarm
By Camera	All channels
Perimeter Protection	
By Device	2-ch, 4 MP (HD network camera, H.264/H.265) video analysis for human and vehicle recognition to reduce false alarm
By Camera	All channels
Video and Audio	
IP Video Input	16-ch
Incoming Bandwidth	160 Mbps
Outgoing Bandwidth	160 Mbps
HDMI Output	1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1600 × 1200/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz
VGA Output	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz
Video Output Mode	HDMI/VGA independent output
CVBS Output	N/A
Audio Output	1-ch, RCA (Linear, 1 KΩ)
Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ, using the audio input)
Decoding	
Decoding Format	H.265/H.265+/H.264+/H.264
Recording Resolution	12 MP/8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/ 720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Synchronous playback	16-ch

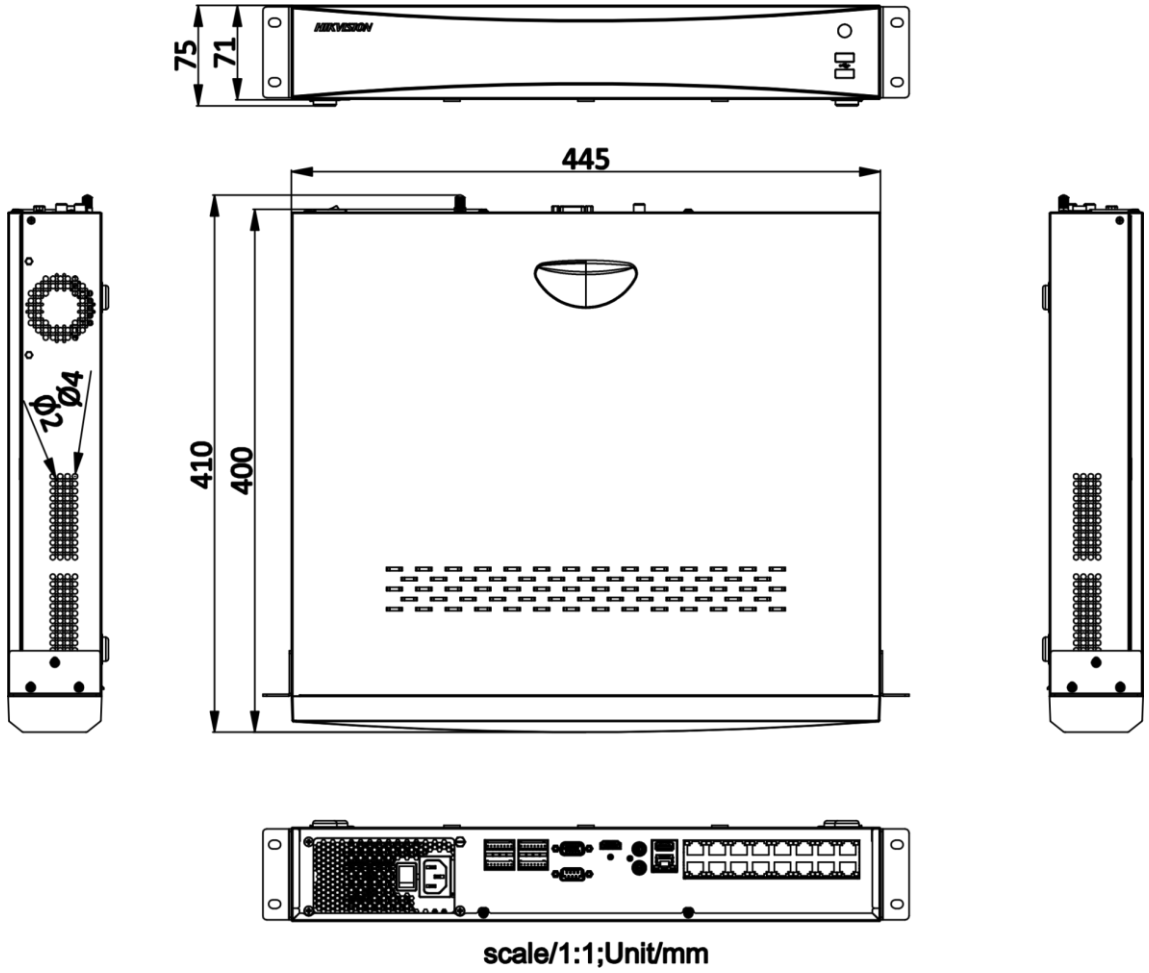
Decoding Capability	AI on: 1-ch@12 MP (30 fps)/2-ch@8 MP (30 fps)/4-ch@4 MP (30 fps)/8-ch@1080p (30 fps) AI off: 2-ch@12 MP (30 fps)/3-ch@8 MP (30 fps)/6-ch@4 MP (30 fps)/12-ch@1080p (30 fps)
Stream Type	Video, Video & Audio
Audio Compression	G.711ulaw/G.711alaw/G.722/G.726/AAC
Network	
Remote Connection	128
API	ONVIF (profile S/G); SDK; ISAPI
Compatible Browser	IE11, Chrome V57, Firefox V52, Safari V12, Edge V89, or above version
Network Protocol	TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
Network Interface	1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
PoE	
Interface	16
Power	≤ 200 W
Standard	IEEE 802.3af/at
Auxiliary Interface	
SATA	4 SATA interfaces
Capacity	Up to 10 TB capacity for each HDD
Serial Interface	2 RS-485 (half-duplex), 1 RS-232
Alarm In/Out	16/4 (16/9 is optional)
USB Interface	Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0
Ctrl 12V	N/A (optional to support)
DC 12V	N/A (optional to support)
General	
GUI Language	English, Russian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Turkish, Japanese, Danish, Swedish Language, Norwegian, Finnish, Korean, Traditional Chinese, Thai, Estonian, Vietnamese, Croatian, Slovenian, Serbian, Latvian, Lithuanian, Uzbek, Kazakh, Arabic, Ukrainian, Kyrgyz , Brazilian Portuguese, Indonesian
Power Supply	100 to 240 VAC, 50 to 60Hz
Consumption	≤ 20 W (without HDD and PoE off)
Working Temperature	-10 °C to 55 °C (14 °F to 131 °F)
Working Humidity	10 to 90 %
Dimension (W × D × H)	445 × 400 × 75 mm (17.5"× 15.7" × 3.0")

Weight	≤ 5 kg (without HDD, 11 lb.)
Certification	
FCC	Part 15 Subpart B, ANSI C63.4-2014
CE	EN 55032: 2015, EN 61000-3-2, EN 61000-3-3, EN 50130-4, EN 55035: 2017
Obtained Certification	CE, FCC, IC, CB, KC, UL, Rohs, Reach, WEEE, RCM, UKCA, LOA, BIS

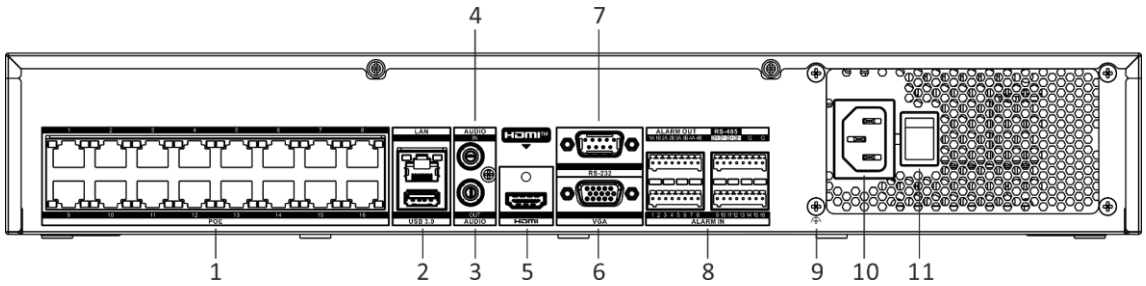
Note:

- Alarm in/out can be optional for certain models. If you select a device model with "/Alarm16+9", then the device will have 16 alarm inputs and 9 alarm outputs.
- Facial recognition, motion detection 2.0 or perimeter protection cannot be enabled at the same time.

Dimension



Physical Interface



No.	Description	No.	Description
1	Network interfaces with PoE function	7	RS-232 serial interface
2	USB 3.0 interface and LAN interface	8	Alarm in, alarm out and RS-485
3	Audio out	9	GND
4	Audio in	10	Power supply
5	HDMI interface	11	Power switch
6	VGA interface		

Available Model

DS-7716NXI-K4/16P

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DS-2CD2183G2-IU
8 MP AcuSense Built-in Mic Fixed Dome Network Camera

AcuSense





Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 8 MP resolution
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Focus on human and vehicle targets classification based on deep learning
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67) and vandal-resistant (IK10)

▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Lens Type	Fixed focal lens, 2.8 and 4 mm optional
Focal Length & FOV	2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° 4 mm, horizontal FOV 87°, vertical FOV 46°, diagonal FOV 105°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
DORI	
DORI	2.8 mm: D: 88 m, O: 35 m, R: 17 m, I: 9 m 4 mm: D: 108 m, O: 43 m, R: 22 m, I: 11 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 30 m
Smart Supplement Light	Yes
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 20 fps (3840 × 2160) 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264
Region of Interest (ROI)	1 fixed region(s) for main stream and sub-stream
Audio	
Audio Type	Mono sound
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC

Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, iVMS-4500, iVMS-5200, Hik-Connect
Web Browser	Plug-in required live view: IE10+, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 12+, Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Parameters Switch	Yes
Image Settings	Mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 256 GB
Built-in Microphone	Yes
Reset Key	Yes
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	Line crossing detection, intrusion detection (support alarm triggering by specified target types (human and vehicle)), face detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture

General	
Power	12 VDC ± 25%, 0.65 A, max. 8 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: 802.3af, Class 3, 36 V to 57 V, 0.30 A to 0.20 A, max. 9.5 W
Material	Aluminum alloy body, bubble: plastic
Dimension	Ø121.4 mm × 92.2 mm (Ø4.8" × 3.6")
Package Dimension	150 mm × 150 mm × 141 mm (5.9" × 5.9" × 5.6")
Weight	Approx. 550 g (1.2 lb.)
With Package Weight	Approx. 800 g (1.8 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Function	Heartbeat, anti-flicker, mirror, flash log, password reset via email, pixel counter, password protection, one-key reset, three streams
Approval	
EMC	FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002

▪ Available Model

DS-2CD2183G2-IU (2.8/4 mm)

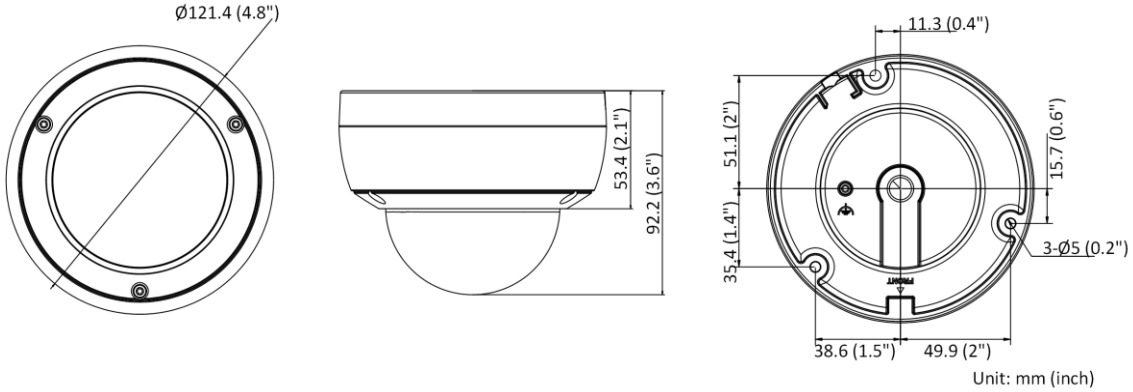
▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Dimension



▪ Accessory

▪ Optional

DS-1272ZJ-120B Wall Mount	DS-1253ZJ-M Rain Shade	DS-1276ZJ-SUS Corner Mount	DS-1280ZJ-DM46 Junction Box	DS-1271ZJ-120 Pendant Mount
				

DS-1275ZJ-SUS Vertical Pole Mount	DS-1272ZJ-120 Wall Mount
	

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DS-2CD2683G2-IZS
8 MP AcuSense Motorized Varifocal Bullet Network Camera

AcuSense





Empowered by deep learning algorithms, Hikvision AcuSense technology brings human and vehicle targets classification alarms to front- and back-end devices. The system focuses on human and vehicle targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 8 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 120 dB true WDR technology
- Focus on human and vehicle targets classification based on deep learning
- Audio and alarm interface available
- Water and dust resistant (IP67) and vandal-resistant (IK10)

▪ Specification

Camera	
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 108° to 30°, vertical FOV 56° to 17°, diagonal FOV 131° to 35°
Lens Mount	Ø14
Iris Type	Fixed
Aperture	F1.6
DORI	
DORI	2.8 to 12 mm: D: 97 m to 290 m, O: 38 m to 115 m, R: 19 m to 58 m, I: 9 m to 29 m
Illuminator	
Supplement Light Type	IR
Smart Supplement Light	Yes
IR Wavelength	850 nm
IR Range	Up to 60 m
Video	
Max. Resolution	3840 × 2160
Main Stream	50 Hz: 20 fps (3840 × 2160) 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stream	50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 *Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports

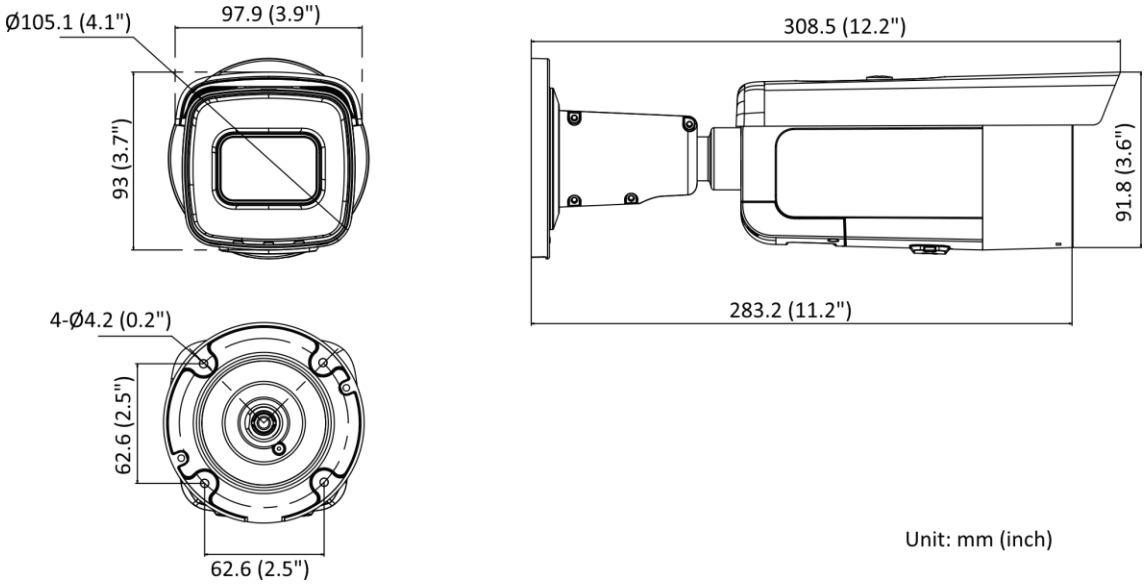
Bit Rate Control	CBR/VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view : Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Image	
Image Parameters Switch	Yes
Image Settings	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
SNR	≥ 52 dB
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot, support micro SD card, up to 256 GB
Audio	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	1 input, 1 output (max. 24VDC/24 VAC, 1 A)
Hardware Reset	Yes
Event	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Smart Event	Line crossing detection, intrusion detection, human and vehicle targets classification
Face Detection	Yes

General	
Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger recording, trigger capture, send email
Camera Material	Aluminum alloy body
Camera Dimension	308.5 mm × 97.9 mm × 93 mm (12.2" × 3.9" × 3.7")
Package Dimension	385 mm × 190 mm × 180 mm (15.2" × 7.5" × 7.1")
Camera Weight	Approx. 1385 g (3.1 lb.)
With Package Weight	Approx. 2046 g (4.5 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
General Function	Anti-flicker, heartbeat, password reset via email, pixel counter
Web Client Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
Firmware Version	V5.5.113
Software Reset	Yes
Power Consumption and Current	12 VDC, 1.08 A, max. 13 W PoE (802.3at, 42.5 V to 57 V), 0.36 A to 0.27 A, max. 15 W
Power Supply	12 VDC ± 25% PoE: 802.3at, Class 4
Power Interface	Ø5.5 mm coaxial power plug
Approval	
EMC	FCC (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 (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013), IK10 (IEC 62262: 2002)

▪ Available Model

DS-2CD2683G2-IZS (2.8 to 12 mm)

▪ Dimension



Unit: mm (inch)

▪ Accessory

▪ Optional

DS-1275ZJ-S-SUS Vertical Pole Mount	DS-1260ZJ Junction Box	DS-1280ZJ-S Junction Box	DS-1276ZJ-SUS Corner Mount
			

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