

# Cámara Pinhole IP / 4 Megapixel / AcuSense IA / WDR 120 dB / Lente 2.8 mm / Micrófono Integrado / 12 VDC

SKU: DS-2CD2D45G2-U  Marca: HIKVISION  Categoría: Ocultas - Pinhole

Garantía: 5 años

**$4,937.15**

Precios con IVA incluido

## DESCRIPCIÓN

La DS-2CD2D45G2-U es una cámara IP tipo pinhole de 4 megapíxeles diseñada para puntos de instalación donde el espacio disponible y la discreción son factores críticos. Su cuerpo de 50.8 mm de ancho total y 85 g de peso permite alojarla en superficies delgadas, gabinetes, paneles o interiores sin alterar el entorno visual. Integra análisis de video con inteligencia artificial AcuSense, que clasifica personas y vehículos en tiempo real mediante deep learning y descarta movimientos irrelevantes como sombras u hojas, reduciendo las falsas alarmas. El sensor de 4 MP con lente fija de 2.8 mm y apertura F/2.0 entrega imagen a color con iluminación mínima de 0.008 lux, mientras que el WDR real de 120 dB conserva el detalle en escenas con contraluz severo. La compresión H.265+ disminuye hasta 70% el espacio de almacenamiento requerido, y el micrófono integrado aporta audio en tiempo real para complementar la evidencia de video.

Características Generales
Resolución de 4 Megapixel
Lente fija de 2.8 mm con apertura F/2.0
Iluminación mínima de 0.008 lux con imagen a color
WDR real de 120 dB para contraluz extremo
AcuSense con IA que clasifica humanos y vehículos
Protección perimetral: cruce de línea e intrusión
Compresión H.265+ con ahorro de hasta 70% de almacenamiento
Micrófono integrado con audio en tiempo real
Diseño pinhole ultra compacto de 50.8 mm de ancho total
Peso de 85 g
Alimentación de 12 VDC

Desempeño
Resolución: 4 MP
Lente: 2.8 mm F/2.0
Iluminación mínima: 0.008 lux
WDR real: 120 dB
Compresión: H.265+
Ahorro de almacenamiento: hasta 70%

Físicas y Eléctricas
Ancho total: 50.8 mm
Peso: 85 g
Alimentación: 12 VDC
Formato: pinhole ultra compacto

Inteligencia y Audio
AcuSense: clasificación de humanos y vehículos
Deep learning integrado
Cruce de línea
Detección de intrusión
Micrófono integrado
Audio en tiempo real

## ESPECIFICACIONES

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|---|---|
| Característica 1 | **AcuSense con IA que clasifica humanos y vehículos en tiempo real** |
| Característica 2 | **WDR 120 dB real para escenas con contraluz extremo** |
| Característica 3 | **Visión a color desde 0.008 lux con apertura F2.0** |
| Característica 4 | **Carcasa ultracompacta de 50.8 mm y solo 85 g de peso** |
| Característica 5 | **Compresión H.265+ que reduce hasta un 70% el almacenamiento** |
| Característica 6 | **Micrófono integrado para captura de audio en tiempo real** |

## MEMORIA TÉCNICA · DS-2CD2D45G2-U

**Número de parte de esta ficha:** DS-2CD2D45G2-U. La información corresponde a esta variante.

DS-2CD2D45G2-U
4 MP Mini Network Camera
- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology to save bandwidth and storage
- Clear imaging against strong back light due to 120 dB true WDR technology
- 3D DNR technology delivers clean and sharp images
- Built-in microphone for real-time audio security
- Specification
Camera
Image Sensor 1/3" Progressive Scan CMOS
Max. Resolution 2688 × 1520
Min. Illumination Color: 0.008 Lux @ (F2.0, AGC ON)
Shutter Time 1 s to 1/100,000 s
Lens
Focal Length & FOV
2.8 mm, horizontal FOV 90.5°, vertical FOV 46.2°, diagonal FOV 110°
4 mm, horizontal FOV 74°, vertical FOV 38.2°, diagonal FOV 89.5°
Lens Mount M12
Iris Type Fixed

Aperture
2.8 mm: F2.0
4 mm: F2.0
Depth of Field
2.8 mm: 0.7 m to 2.1 m
4 mm: 1.0 m to 3.3 m
DORI
DORI
2.8 mm: D: 78.4 m, O: 31.1 m, R: 15.7 m, I: 7.8 m
4 mm: D: 94.4 m, O: 37.5 m, R: 18.9 m, I: 9.4 m
HEOP
Open Resources
Memory: 60 MB,
Smart RAM: 370 MB,
eMMC: 2 GB
Video
Main Stream
50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)
60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream
50 Hz: 25 fps (704 × 576, 640 × 480)
60 Hz: 30 fps (704 × 480, 640 × 480)
Third Stream
50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)
60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)
Video Compression
Main stream: H.264/H.265/H.264+/H.265+,
Sub-stream: H.264/H.265/MJPEG,
Third stream: H.264/H.265
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
Region of Interest (ROI) 4 fixed regions for each stream
Audio
Audio Type Mono sound
Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate
64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 48 Kbps (PCM)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate 8 kHz/16 kHz/32 kHz/48 kHz
Environment Noise Filtering Yes
- Network
Protocols
DNS, SNMP, 802.1X, IGMP, NTP, TCP/IP, HTTPS, SMTP, DHCP, HTTP, IPv4, FTP, DDNS, IPv6, RTCP, WebSockets, RTSP, SSL/TLS, UPnP, RTP, Bonjour, QoS, SFTP, UDP, WebSocket, ICMP
Simultaneous Live View Up to 20 channels
API ONVIF, ISAPI, SDK, ISUP
User/Host
Up to 32 users
3 user levels: administrator, operator, and user
Network Storage NAS (NFS, SMB/CIFS)
Client iVMS-4200, Hik-Connect
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 1.1/1.2/1.3, host authentication (MAC address)
Web Browser
Plug-in required live view: IE 10, IE 11,
Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+,
Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image
Image Parameters Switch Yes
Image Settings
Rotate mode,saturation,brightness,contrast,sharpness,adjustable by client software or web browser
Day/Night Switch Day,Night,Auto,Schedule
Wide Dynamic Range (WDR) 120 dB
Image Enhancement BLC,HLC,3D DNR,Distortion Correction
Privacy Mask Yes
Image Stabilization EIS
Interface
Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port
Reset Key Yes
Built-in Microphone 1 built-in microphone
Event
Basic Event
Motion detection,video tampering alarm,network disconnected,IP address conflict,illegal login,HDD full,HDD error,video quality diagnosis,vibration detection
Smart Event scene change detection,audio exception detection,defocus detection
Linkage
Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger recording,trigger capture
Deep Learning Function
Perimeter Protection
Line crossing, intrusion, region entrance, region exiting
Support alarm triggering by specified target types (human and vehicle)
Support combined event alarm triggering
Face Capture Support Face Capture (with Face Attributes)
General
Power 12 VDC ± 20%, 0.19 A, max. 2.28 W, Ø 5.5 mm coaxial power plug
Material Aluminum alloy
Dimension 50.8 mm × 48.3 mm × 30.6 mm (2.0" × 1.9" × 1.2")
- Package Dimension 150 mm × 110 mm × 90 mm (5.9" × 4.3" × 3.5")
Weight Approx. 85 g (0.18 lb.)
With Package Weight Approx. 261 g (0.57 lb.)
Storage Conditions
-10 °C to 40 °C (14 °F to 104 °F). Humidity 95% or less (non-condensing)
*Use the heatsink to ensure heat dissipation. Refer to Quick Start Guide for the heat dissipation requirement.
Startup and Operating
Conditions
-10 °C to 40 °C (14 °F to 104 °F). Humidity 95% or less (non-condensing)
*Use the heatsink to ensure heat dissipation. Refer to Quick Start Guide for the heat dissipation requirement.

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,mirror,password protection,one-key reset
Approval
EMC
CE-EMC: EN 55032: 2015+A11:2020+A1:2020, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN 50130-4: 2011+A1:2014,
RCM: AS/NZS CISPR 32: 2015,
IC: ICES-003: Issue 7
Safety
CB: IEC 62368-1:2014,
CE-LVD: EN 62368-1:2014+A11:2017
Environment
CE-RoHS: 2011/65/EU,
WEEE: 2012/19/EU,
Reach: Regulation (EC) No 1907/2006
Transport Certification
IATA Dangerous Goods Regulations, Dangerous Goods List, International Maritime Dangerous Goods Code
- Dimension
- Available Model
DS-2CD2D45G2-U(2.8mm)
DS-2CD2D45G2-U(4mm)