DS-2DV6805JXB/PLD-RSG
3D Perimeter Protection Camera



Suitable for industrial robot application scenarios in production workshops, such as palletizing/de-palletizing, welding, and material handling.

- Hikvision's robotic arm anti-collision 3D vision camera features an embedded GPU module, supporting stereo vision algorithms and deep learning algorithms
- Supports a real-time frame rate of 2560 × 2160 @ 25 fps @ 50Hz, delivering smoother images
- It can independently capture and output two channels of stereo vision depth images, displaying them as pseudocolor images, and supports spatial stereo perception
- Supports person detection in robotic arm working area, and outputs the number of people detected
- With a built-in Gsensor, the device supports automatic calibration and smart calibration to acquire camera angles. It also supports angle offset alarm
- Supports detection function via alarm input signals, allowing the person detection to be enabled or disabled in conjunction with the robotic arm's operating status
- Supports setting multiple protective areas. Up to four customizable protective areas can be set
- Alarm interface: 2 inputs, 4 outputs, compatible with safety relays, PLCs, and other control devices
- The bracket that comes with the device can be installed with standard corner bracket and 40 aluminum profiles, with angle adjustment support for P-axis from -45° to 45° and T-axis from 0° to 60°
- The device complies with CE-EMC, CE-LVD and SGS-PLd certifications
- The device meets the IEC 61000-6-7:2014 standard
- The device complies with ISO 13849-1:2023 PLd performance level

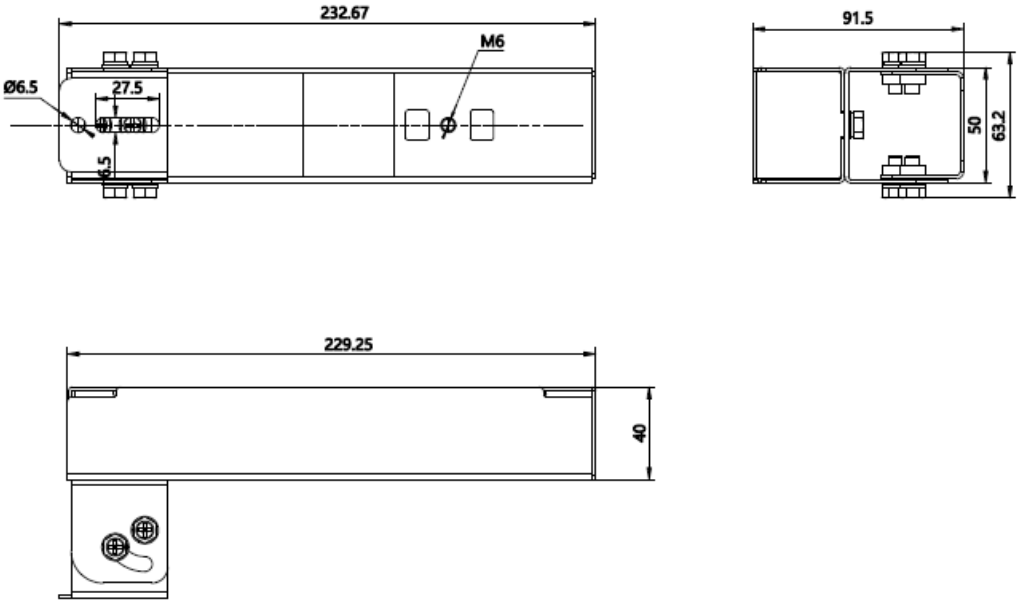
▪ Specification

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 x 2160
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON),B/W: 0.0002 Lux @ (F1.2, AGC ON),B/W: 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Lens	
Lens Type	Fixed focal lens, 2.8 mm
Focal Length & FOV	horizontal FOV 88°, vertical FOV 78.3°
Aperture	F1.6
Pixel Density	
DORI	D: 64 m, O: 25 m, R: 12 m, I: 6 m
OODPCVS	Overview: 81 m, Outline: 40.5 m, Discern: 20.3 m, Perceive: 13 m, Characterize: 6.5 m, Validate: 3.2 m, Scrutinize: 1.1 m .
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 10 m
IR Wavelength	850 nm
Video	
Main Stream	50 Hz：12.5 fps（2560×2160，1280×1080，1280×720） 60 Hz：10 fps（2560×2160，1280×1080，1280×720）
Video Compression	Main Stream：H.265/H.264/Smart264/Smart265 Sub-Stream：H.265/H.264/MJPEG Third Stream：H.265/H.264 Fourth Stream：H.265/H.264
Video Bit Rate	32 Kbps to 64 Mbps
Sub-Stream	50 Hz：25 fps（2560×2160，640 x 480） 60 Hz：30 fps（2560×2160，640 x 480）
H.264 Type	High Profile,Baseline Profile,Main Profile
H.265 Type	Main Profile
Third Stream	50 Hz：12.5fps（1280×1080，1280×720，704×576，640×480） 60 Hz：10 fps（1280 ×1080，1280×720，704×480，640×480）
Fourth Stream	50 Hz：12.5 fps（2560×2160） 60 Hz：10 fps（2560×2160）
Bit Rate Control	CBR,VBR
Audio	
Audio Compression	No
Audio Bit Rate	No
Audio Sampling Rate	No

Network	
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, TLS 1.3, AES128/256
Network Storage	NAS (NFS, SMB/CIFS)
Simultaneous Live View	Up to 20 channels
Client	iVMS-4200
API	ONVIF, ISAPI
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
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 Settings	saturation,brightness,contrast,sharpness,AGC,white balance,adjustable by client software or web browser
Wide Dynamic Range (WDR)	Digital WDR
Image Enhancement	BLC,HLC
Interface	
Ethernet Interface	1 RJ45 10 M/100 M/1000 M self-adaptive Ethernet port,1 1000M FC fiber optical interface
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Reset Key	Yes
Indicator	Yes
Event	
Basic Event	exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage	notify surveillance center,send email
General	
Power	24 VDC ± 25%, 0.74 A, max. 17.7 W, PoE: 802.3at, Class 4, max. 18.5 W,Ø5.5 mm coaxial power plug
Material	Metal and plastic
Dimension	190 mm × 135.5 mm × 55 mm (7.48" × 5.33" × 2.17")
Package Dimension	269 mm × 230 mm × 196 mm (10.59" × 9.06" × 7.72")
Weight	Approx. 1350 g (2.98 lb.)
With Package Weight	Approx. 3420 g (7.54 lb.)
Storage Conditions	-30 °C to 50 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-30 °C to 50 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	English
General Function	Heartbeat,mirror,flash log,password reset via email,pixel counter,one-key reset,password protection,anti-banding

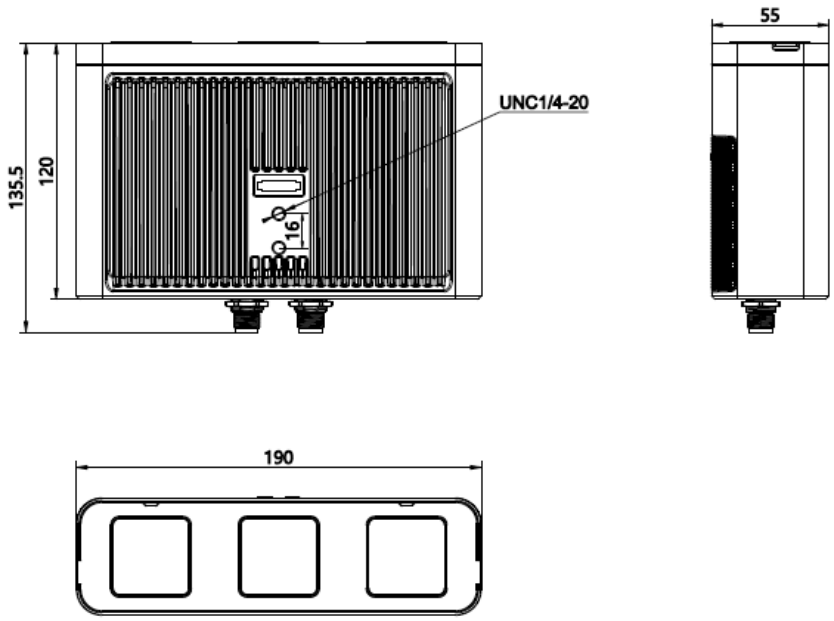
Approval	
Protection	IP67:IEC 60529-2013

▪ Dimension



Unit:mm

Camera Mounting Hole (mm)
Ø6.5*2



Unit:mm

Camera Mounting Hole (mm)
UNC1/4-20*2

See Far, Go Further

www.hikvision.com
support@hikvision.com

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