

U2-4R(33x)A-Ex AI

1T 4MP Intelligent Explosion-proof Bullet Camera



និទី Feature

- ▶ 1 TOPS computing power
- Supports backlight adaptation, overcast adaptation, and speed adaptation
- 1/2.7" CMOS sensor
- ▶ 120 dB super wide dynamic range (WDR), ensuring that both foreground and background objects are clearly identified in environments with sharp light contrast





☐ Technical Specifications

Model	U2-4R(33x)A-Ex Al					
Major Specifications						
	Computing power	1 TOPS				
Main control	Memory	1.0 GB				
	Flash type	512.0 MB				
	Focal length	5–165 mm				
	Max Aperture	F1.6 (W) to F4.4 (T)				
	Image sensor	1/2.7" CMOS/4MP 2560(H)*1440(V)				
	Max.resolution	2560(H)*1440(V)				
Camera	IR range	50 m				
	Zoom	Digital Zoom: 16X; Optical zoom: 33X				
			D(m)	O(m)	R(m)	l(m)
	DORI	W	100.0	40.3	20.0	10.0
		Т	3300.0	1330.6	660.0	330.0
Intelligence						
	Behavior analysis	Fast movement/Tripwire crossing/Intrusion/Area entry or exit /Loitering				
Other intelligences	Crowd flow analysis	Queue length	n/Head cour	nting/Crowd flo	w statistics	
	Defocus	Supported				
Open ecosystem						
Algorithm openness	SDC OS	Supported				-
Data openness	Data openness	SDK (proprie Profile G/S/T	tary protoco	I)/REST API (p	roprietary pro	tocol)/Onvif
Image	Video encoding format	MIDEC/LI 26	4/⊔ 265			
	Video encoding channels	MJPEG/H.264/H.265 Triple streams				
Codec	Intelligent encoding	Extra265/264				
	Video frame rate	4-megapixel: 30 fps or 25 fps				
Image Al	Scene adaptation	Backlight adaptation/Overcast adaptation/Speed adaptation				
OSD	OSD	Camera ID and time				
	Min illumination		•	GC ON, 1/30s s s shutter speed	•); B/W: 0.0005
	Day/Night mode	Supported; automatic (ICR)/Color/B/W (default: automatic) Sensitivity level: high (default), medium, and low Image triggering /Internal triggering				
	Signal-to-Noise Ratio(SNR)	>45dB				
Image ISP	Primary stream resolution	2560×1440(4 P)	MP),2048×1	536(3MP),1920	0×1080(1080	P),1280×720(720
	Secondary stream resolution	352×288(PAL	_), 352×240	×576(PAL),7)(NTSC); ×288(PAL),3	,	•

		Only for H.264 and H.265	
		1080P-4K 512Kbps - 16Mbps	
Image ISP	Video bit rate	720P 384Kbps - 8Mbps	
		D1 256K - 4Mbps	
		CIF 32K - 1Mbps	
	WDR	120 dB	
_	White balance	Auto/Auto tracking/Manual/OnePush	
	Highlight compensation	Supported	
	Digital noise reduction	2D/3D noise reduction	
	Defogging	Supported	
	EIS	Supported Sensitivity levels are not supported.	

Networking		
Network transmission	Protocols supported by IPv4	TCP,UDP,IPv4,DHCP,DNS,ICMP,IGMP,HTTPS,FTP,SFTP,RTP,R TSP, RTCP,SIP,ARP,SSL,NTP,SNMP(V1/V2/V3),802.1x,QoS,SMTP,PP POE
	Protocols supported by IPv6	HTTPS,RTP,RTCP,RTSP,Onvif,IPv6,ICMPv6,DHCPv6

Security		
Data security	Media security	Supports AES256-based SDK stream encryption. By default, RTSP uses MD5 digest authentication. Supports encrypted storage of video and images in SD cards. By default, RTSP uses MD5 digest authentication . By default, RTSP uses MD5 digest authentication.
Service security	Privacy Masking	Up to 8 areas can be set, it also supports multiple color blocks and mosaics.
	User rights	Three user roles: administrator, advanced operator, and common operator
	Security mode	User name and password authentication, 802.1X authentication, and HTTPS digital certificate
	Secure boot	Supported
	System intrusion detection	Supported

Port	
Alarm port	2 input port and 1 output port
Network port	One RJ45 10M/100M adaptive Ethernet port
Communication serial port	1 universal half-duplex RS-485 port
Audio port	Supported (one-channel LINE IN or one-channel external MIC)/Supported (one-channel LINE OUT)

General Specifications	
Power type	AC100V~AC240V
Power consumption	Maximum: 36 W; typical: 18 W
Operating temperature	-30°C to +60°C (excluding the water tank)
Operating humidity	≤ 95% (non-condensing)
Surge protection	2 kV
Protection	IP68
Certificate	ATEX, IECEx
Explosion-proof Marking	ATEX:Ex II 2G Ex db op is II C T6 Gb/Ex II 2D Ex tb op is IIIC T80 °C Db IECEx: Ex db op is IIC T6 Gb/Ex tb op is IIIC T80 °C Db
Weight	Net weight 17 kg; Gross weight 24.5 kg
Dimensions	Device dimensions 523×297×221mm;Package dimensions 750×600×410mm
Wiper	Yes

HOCO WITS

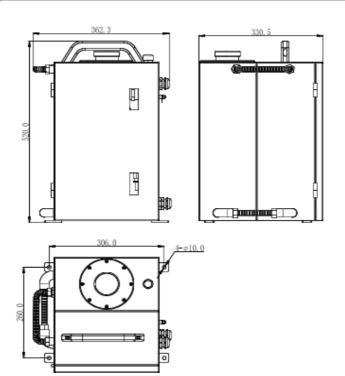
Accessory (Optional)

Water tank

ACC9411-Ex



ACC9411-Ex (ATEX/IECEx)



Specification

Explosion-proof level IIC, IIIC

IP rating IP66

Product material 316L stainless steel

Operating temperature 0°C<T≤60°C (depends on cleanning agent)

100V-240V a.c. 50/60Hz or 24V a.c. 50/60Hz or 24V d.c. or PoE++(48V d.c.),

Power supply voltage choose one when ordering

Maximum power

consumption

52 W

Dimensions (H x W x D) 600mm x 330.5 mm x 362.3 mm

Built-in accessories Pump, water storage tank 15Liter

Speed range 1-600rpm
Flow rate 1000ml/min
Weight 23.6 kg

Cable outlet

quantity/specification

1 x M25 x 1.5" cable outlet

Installation mode on the ground

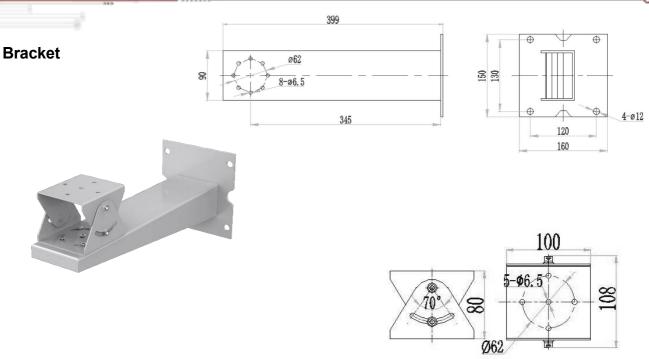
Explosion-proof flexible pipe



ACC9511-Ex (ATEX/IECEx)

HOCO WITS

Accessory (Optional)



- Made of 316L stainless steel
- · Wire drawing process applied on stainless steel surface
- Solid structure, excellent shockproof performance, and strong corrosion
 resistance that makes the device applicable to strong corrosive environments
- Excellent resistance to fire, oil, corrosion, water, and aging, improving site reliability
- Specially designed for explosion-proof cameras and housings and can be directly installed on any vertical load bearing surface (maximum load: 30 kg)