



IWH-41LA-UHT

4 MP Smart Hybrid Light Varifocal Bullet Network Camera.

High quality imaging with 4 MP resolution
Support Human and Vehicle Detection
Smart Hybrid Light: advanced technology with long range
Clear imaging against strong back light due to 120 dB true WDR technology
Efficient H.265+ compression technology
Support on-board storage up to 512 GB (SD card slot)
Built-in microphone for real-time audio security
2.8 ÷ 12 mm motorized varifocal lens for easy installation and monitoring
Water and dust resistant (IP67)

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Colour: 0.01 Lux @(F2.0, AGC ON), B/W: 0 Lux with IR
Max. Resolution	2560 × 1440
Shutter Time	1/3 ÷ 1/100,000 s
Day & Night	IR Cut Filter
Angle Adjustment	<i>Pan:</i> 0° ÷ 360°; <i>Tilt:</i> 0° ÷ +90°; <i>Rotation:</i> 0° ÷ 360°
Lens	
Lens Type	Varifocal lens, motorized lens, 2.8 ÷ 12 mm
Aperture	F1.6
Iris Type	Fixed
Focal Length & FOV	2.8 ÷ 12 mm, horizontal FOV 96.7° ÷ 29.7°, vertical FOV 51.7° ÷ 16.7°, diagonal FOV 114.3° ÷ 34°
Lens Mount	Ø 14
DORI	
DORI	D: 64.0 ÷ 198.0 m, O: 25.4 ÷ 78.6 m, R: 12.8 ÷ 39.6 m, I: 6.4 ÷ 19.8 m
Illuminator	
Supplement Light Range	Up to 50 m
IR Wavelength	850 nm
Supplement Light Type	IR, White Light
Smart Supplement Light	Yes
Video	
Main Stream	50 Hz: 20 fps (2560 × 1440); 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440); 24 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG
Video Bit Rate	32 ÷ 16 kbps
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)	1 fixed region for main stream
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
Audio Type	Mono sound
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC
Audio Bit Rate	64 kbps (G.711ulaw/G.711alaw)/16 kbps (G.722.1)/16 kbps (G.726)/32 ÷ 160 kbps (MP2L2)/16 ÷ 64 kbps (AAC-LC)
Network	
Security	Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address)
Protocols	TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP,

API	IPv6, UDP, QoS, FTP, SMTP
Simultaneous Live View	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK
User/Host	Up to 6 channels Up to 32 users 3 levels: Administrator, Operator and User
Client	CTR-MAZI, CMS-MAZI
Web Browser	Plug-in required live view: IE 10, IE 11, Local service: IE 11, Chrome 57.0+, Firefox 52.0+, Edge 89+

Image

Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D-DNR
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Privacy Mask	4 programmable polygon privacy masks

Event

Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle), video tampering alarm, exception
Linkage	Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning

Interface

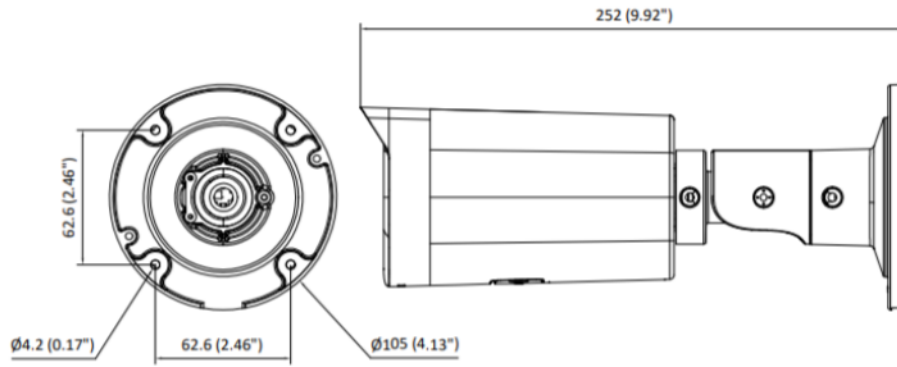
On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Built-in Microphone	Yes, 1 built-in microphone
Audio	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 kΩ, interface type: non-equilibrium 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
Alarm	1 input, 1 output (max. 12 Vdc, 30 mA)
Reset Key	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port

General

Language	English, Ukrainian
General Function	Heartbeat, anti-banding, mirror, password reset via email, password protection
Power	12 Vdc ± 25%, 0.88 A, max. 10.5 W, Φ 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 12 W
Operating and Storage Conditions	-30 °C ÷ +60 °C (-22 °F ÷ +140 °F), humidity 95% or less (non-condensing)
Material	Metal & Plastic
Dimensions	Camera: Ø 105 mm × 252 mm (Ø 4.13" × 9.92") Package: 315 × 137 × 141 mm (12.40" × 5.39" × 5.55")
Weight	Camera: approx. 585 g (1.3 lb.) With package: approx. 910 g (2.0 lb.)

Approval

EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7
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	IP66: IEC 60529-2013



Unit: mm (inch)