RDO7150HNBC-B

5MP Ultra Color Turret Network Camera

Key Features

- 1/2.7" progressive scan SONY STARVIS II™ CMOS

- Max. 5MP(2880×1620) @25/30fps resolution

- True WDR, 3D DNR, ROI, HLC, BLC, Defog

- Support face, human, vehicle detection and capture

- Intelligent analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way, illegal parking, smart motion detection and people counting

- Built-in microphone and speaker

- Built-in red and blue warning light, support sound-light warning

- Built-in IR LED and warm lights, illumination distance up to 30m

- Built-in SD card slot, up to 1TB Micro SD card

- IP66 protection

RHODIUM ULTRA
NDAA Compliant

NDAA COMPLIANT

Technical Specification

Camera	
Image Sensor	1/2.7" Progressive Scan SONY STARVIS II™ CMOS
Max. Resolution	5MP (2880×1620)
Electronic Shutter	Auto/Manual, 1/5 to 1/20,000s
Min. illumination	Color: 0.01 Lux @ (F1.6, AGC ON), B/W: 0 Lux with Light on
Day & Night	IR cut filter
Wide Dynamic Range	True WDR 120DB
Angle Adjustment	Pan: 0˚ to 355˚, Tilt: 0˚ to 80˚, Rotation: 0˚ to 360˚

Lens	
Lens Type	Fixed focal
Iris	Fixed Iris
Focal Length	2.8 mm, 4 mm
Max. Aperture	F1.6
Field of View (FOV)	2.8 mm - H: 110.9°, V: 60° 4 mm - H: 91.8°, V: 46.3°

DORI Distance

Lens	Detect	Observe	Recognize	Identify
2.8 mm	64 m (210 ft)	25.6 m (84 ft)	12.8 m (42 ft)	6.4 m (21 ft)
4 mm	96 m (315 ft)	38.4 m (126 ft)	19.2 m (63 ft)	9.6 m (31.5 ft)

DORI (Detect, Observe, Recognize, and Identify) is a standard system (EN-62676-4) for defining the ability of a person viewing the video to distinguish persons or objects within a covered area. The numbers in this table do not reflect intelligent function distances.

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Illuminator

Illuminator Type	IR, Warm light
Illumination Distance	IR distance up to 30 m (98.4 ft) Warm light distance up to 20 m (65.6 ft)
Illumination On/Off Control	Auto/Manual

Intelligent Analytics

Multi-Object Detection	Supports face, human, vehicle detection and capture
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Illegal parking, and Smart motion detection Support alarm triggering by specified target types (human and vehicle)
People Counting	Support

Video and Audio

Video Compression	Support H.265+/H.265/H.264+/H.264
Streaming Capability	3 Streams
Stream/Frame Rate	Stream1: 2880×1620, 2560×1440, 2304×1296, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @ 25/30fps Stream3: VGA, CIF, QVGA @ 25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Stream1: 200 Kbps to 12 Mbps Stream2: 100 Kbps to 6 Mbps Stream3: 100 Kbps to 3 Mbps
Region of Interest	Off/On (8 areas, Rectangle)
Smart Encode	Support
Audio Compression	G.711 A-law, G.711 μ-law, RAM PCM
Audio Bit Rate	64 Kbps (G.711), 128 Kbps (RAW_PCM)

Image

Image Adjustment	Brightness, Sharpness, Contrast, Saturation adjustable
Scene Setting	Indoor, Outdoor, Mirror, Corridor Mode
Exposure Mode	Auto, Manual, Shutter priority
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shadow, Manual
Day/Night Setting	Auto, Day, Night, Timer
Noise Reduction	2D/3D DNR
Image Enhancement	WDR, HLC, BLC, Defog
Privacy Masking	4 areas

Event

Alarm Triggers	IVS, Motion detection, Network alarm, Disk alarm
Alarm Events	Alarm record, FTP upload, SMTP upload

Network

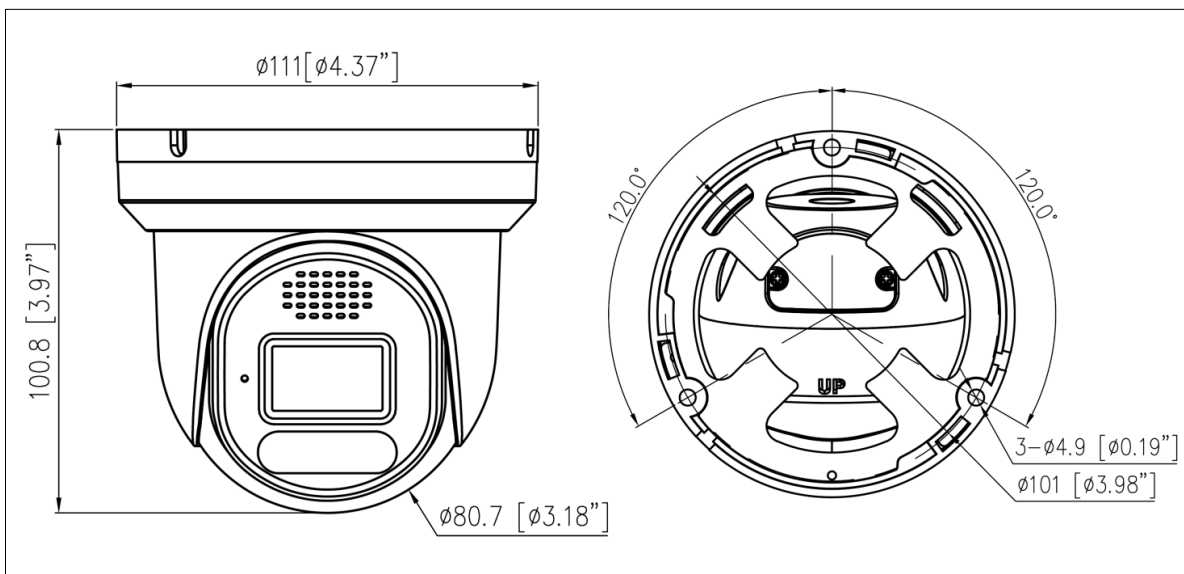|	
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
User/Host Level	Up to 10 users, 3 levels: Administrator, Operator, Media user
Security	IP address filter, encrypted HTTPS, Illegal login lock, IEEE 802.1x
Web Viewer	<IE11, Chrome, Firefox, Microsoft Edge

Interface

Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Built-in Microphone	Support
Built-in Speaker	Support
SD Card Slot	Built-in, up to 1 TB
Reset Button	Support

General

Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian. Default: English
Power Supply	12 VDC (-15% to +25%)/PoE (802.3af)
Power Consumption	Basic: 2 W (IR OFF), Max 9 W (IR ON + Speaker)
Operating Temperature	-30°C to 60°C (-22°F to 140°F)
Operating Humidity	Less than 90% RH
Ingress Protection	IP66
Certifications	CE-EMC (EN 55032:2015+A1:2020, EN IEC 61000-6-3:2021, EN IEC 61000-3-2:2019+A12021, EN 61000-3-3:2013+A2:2021, EN 55035:2017+A11:2020, EN 50130-4:2011+A1:2014) FCC (FCC 47 CFR 15, Subpart B, ANSI C63.4-2014)
Material	Aluminum alloy body + Plastic
Dimensions	φ111 × 100.8 mm (φ4.37 × 3.97 inch)
Net Weight	0.43 kg (0.95 lb)

RHODIUM **ULTRA**
NDAA Compliant

Dimensions (mm)

Ø111[Ø4.37"]

100.8 [3.97"]

Ø80.7 [Ø3.18"]

120.0°

120.0°

UP

3−Ø4.9 [Ø0.19"]

Ø101 [Ø3.98"]

Accessories

Optional：

RSN-CBK646M unction Box	RSN-CBK203 Pendant Cap	RSN-CBK402 Pendant Mount	RSN-CBK501 Wall Mount
RSN-CBK502 Wall Mount	RSN-CBK101 Pole Mount	RSN-CBK102 Corner Mount	