



INFINITY BNS-R31-QT

Key Feature

- Max. 30fps@1080P
- HD and SD output switchable
- 3.6mm fixed lens (6mm optional)
- Max. IR length 20m, Smart IR
- IP67, DC12V

Specification

Technical Specification

Camera

Image Sensor	1/2.7" CMOS
Effective Pixels	1920(H)×1080(V), 2MP
Scanning System	Progressive
Electronic Shutter Speed	PAL: 1/25~1/100000s NTSC: 1/30~1/100000s
Minimum Illumination	0.04Lux/F1.85, 30IRE, 0Lux IR on
S/N Ratio	More than 65dB
IR Distance	Up to 20m (66feet)
IR On/Off Control	Auto / Manual

Lens

Lens Type	Fixed lens / Fixed iris
Mount Type	Board-in
Focal Length	3.6mm (6mm Optional)
Max Aperture	F1.85
Angle of View	H: 93° (54.7°)
Focus Control	N/A
Close Focus Distance	800mm (2000mm) 31.5" (78.74")

DORI Distance

Note: The DORI distance is a "general proximity" of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.

	DORI Definition	Distance
Detect	25px/m (8px/ft)	3.6mm: 51m(167ft) 6mm: 80m(262ft)
Observe	63px/m (19px/ft)	3.6mm: 20m(66ft) 6mm: 32m(105ft)
Recognize	125px/m (38px/ft)	3.6mm: 10m(33ft) 6mm: 16m(52ft)
Identify	250ppm (76px/ft)	3.6mm: 5m(17ft) 6mm: 8m(26ft)

Fan / Tilt / Rotation

Pan/Tilt/Rotation	Pan: 0° ~ 360° Tilt: 0° ~ 90° Rotation: 0° ~ 360°
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Video

Resolution	1080P (1920×1080)
Frame Rate	25/30fps@1080P, 25/30/50/60fps@720P
Video Output	1-channel BNC high definition video output / CVBS video output (Can switch)
Day/Night	Auto (ICR) / Manual
OSD Menu	Multi-language
BLC Mode	BLC / HLC / DWDR
WDR	DWDR
Gain Control	AGC
Noise Reduction	2D
White Balance	Auto / Manual
Smart IR	Auto / Manual
Certifications	CE (EN55032, EN55024, EN50130-4) FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)

Interface

Audio Interface	N/A
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Electrical

Power Supply	12V DC ±30%
Power Consumption	Max. 2.7W (12V DC, IR on)

Environmental

Operating Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 95% RH * Start up should be done at above -40°C (-40°F)
Storage Conditions	-40°C ~ +60°C (-40°F ~ +140°F) / Less than 95% RH
Ingress Protection & Vandal Resistance	IP67

Construction

Casing	Aluminium
Dimensions	69.8mm×69.8mm×157.6mm (2.75"×2.75"×6.20")
Net Weight	0.25kg (0.55lb)
Gross Weight	0.30kg (0.66lb)