



V2102CD-W28IR-A

## Roughneck Compact Dome with Built-in Mic

✓ NDAA GSA ONVIF TAA



### Overview

The Roughneck® Compact Dome delivers high performance in a small, durable form factor—just two inches in height—with built-in microphone. This 2 MP camera is designed for railway application and provides Smart IR illumination, True WDR (120 dB), and Starlight low-light imaging. The camera is protected by a weatherproof (IP66), vandal-resistant (IK10) enclosure, and generates an alarm in the event someone attempts to obstruct or move the camera.

### Product at a Glance

- ▶ 2 MP resolution
- ▶ 2.8 mm lens provides a nice wide-angle view of the entire area
- ▶ Low-profile, compact design—just two inches high—is ideal for discreet, aesthetic installations
- ▶ Built-in microphone eliminates the need to purchase and install a separate device for applications that require audio in
- ▶ Corridor mode allows for 90° rotation of the camera so images are created vertically, which maximizes the field-of-view in narrow situations
- ▶ Starlight low-light technology provides clear color images in extreme low-light conditions
- ▶ Integrated IR provides uniform illumination in total darkness for high-quality video from 32.8 feet (10 m) away
- ▶ EN50155:2017 Rated

## Specifications

Model	V2102CD-W28IR-A
<b>Camera</b>	
Image Sensor:	1/2.8-in. CMOS progressive sensor
Max Resolution:	1920×1080 (2 MP)
Image Settings:	Digital image effects: flip, mirror and corridor. Configurable brightness, contrast, saturation, hue, sharpness. White balance. Backlight Compensation (BLC). Gain control. Electronic shutter speed. Day/night mode. Dynamic Noise Reduction (3 DNR). Motion detection (5 programmable zones). Privacy masking (5 masks). Event notification. Anti-flicker.
Intelligent Video Analytics:	Motion, Tampering/Defocus. Museum Search.
Electronic Shutter Speed:	Auto (1/3 ~ 1/71428 sec), manual
Day/Night Performance:	True day/night (IR cut filter)
Wide Dynamic Range	True WDR; 120 dB
Minimum Illumination:	Color: 0.04 lux; BW: 0 lux, IR On @f/1.2
IR Distance:	Smart IR. 32.8 ft (10 m); 8 IR LEDs
<b>Lenses</b>	
Focal Length:	2.8 mm
Max. Aperture:	f/1,6
Zoom/Focus/Iris Adjust:	Fixed
Field of View: Horizontal/Vertical	110°/57°
<b>Network Video Transmission</b>	
Network:	10/100 Mbps Ethernet; RJ-45
Image Compression:	H.264; H.265; M-JPEG
Resolution:	1920×1080 (1080P) to 320×240
Protocol:	DHCP, FTP, HTTP, HTTPS, IPv4/6, LDAP, NTP, RTSP/RTP, RTMP, SMTP, SNMP 2c/3, TCP/IP, UDP, UPnP, 802.1X, SSL, Zero Configure, Network Protocols, Firewall, Bonjour, DDNS; ONVIF
Frame Rate:	60 fps max
Streams:	Triple streaming. 1920×1080 @60 fps; 1280×720 @60 fps; 640×360 @60 fps
Audio:	Two way, 1 audio input/1 audio output (line in/out); G.711 (a law, u-law); 8KHz/16 bits
Web Browser:	Chrome®, Safari®, Firefox®, Microsoft Edge®
Security:	HTTPS encrypted data transmission, SSL, IEEE 802.1X
<b>Mechanical</b>	
Camera Angle of Adjustment:	3-axis adjustment. Pan: ±30°; Tilt: 0° - 80°; Rotate: ±355°
Mounting:	Surface mount, wall or ceiling
Dimensions:	4.3 in. (110 mm) (Diam) x 2.5 in. (64 mm) (H)
Weight:	0.88 lb (0.4 kg)

Specifications

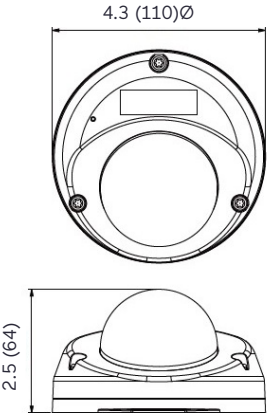
Electrical	
Input Power:	PoE IEEE 802.3af; 12 VDC
Power Consumption:	IR On: 6 W
Controls and Connectors	
Connectors:	Pigtail cable provided. PoE/Network: RJ-45 CAT 5 or M12 options; Built-in Mic/Audio Output; Reset Button; Micro SD card slot for SDHC/SDXC card (customer-supplied; 1 TB max).
Environmental	
Operating Conditions:	Temperature: -4° to 158° F (-20° to 70° C) IR Off; -4° to 165° F (-20° to 74° C) IR Off for 4 hours a day. Humidity: up to 90%, non-condensing
Approvals:	FCC Class A; CE; IP66; IK10; ONVIF; RoHS; BIS
Vibration:	EN50155:2017
Country of Origin:	Taiwan
Warranty:	5 years

Ordering Information

Cameras

Model	Description
V2102CD-W28IR-A	2 MP resolution, 2.8 mm fixed lens; built-in microphone; RJ-45 connector
V2102CD-W28IR-AM	2 MP resolution, 2.8 mm fixed lens; built-in microphone; M12 connector

Dimensional Drawing [in. (mm)]



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