



DivioTec

NBD521 Dual Light Bullet Camera

Vandal-resistant motorized 5MP bullet with edge analytics

Dual Light technology combines white LED and infrared (IR) illumination for flexible night surveillance. When people or objects are detected in low light or darkness, the camera automatically switches from IR to white light, providing full-color video and supporting active deterrence. Edge AI analytics provide real-time detection, while audio and I/O connectivity support extended system integration for smarter, proactive security. Robust IP67 and IK10 ratings for deployment in high-risk, vandal-prone environments including correctional facilities, perimeter security zones, defense installations, and critical infrastructure sites.

- Dual Light technology:
Smart IR+ 55 m and white LEDs 30 m
- LightSolver II™ and extreme WDR 140dB
- Remote zoom and focus for full-area coverage
- IP67 weatherproof, IK10 vandal resistance
- Advanced edge analytics minimize false alarms (ONVIF® Profile M)
- Edge storage enables failover recording (ONVIF® Profile G)
- NDAA compliance



5MP at 30fps



H.265



S-WDR



IR 55M



White LEDs 30M



Video
Analysis



Defog



Audio



Alarm
In/Out



SD Card



PoE



IP67



IK10



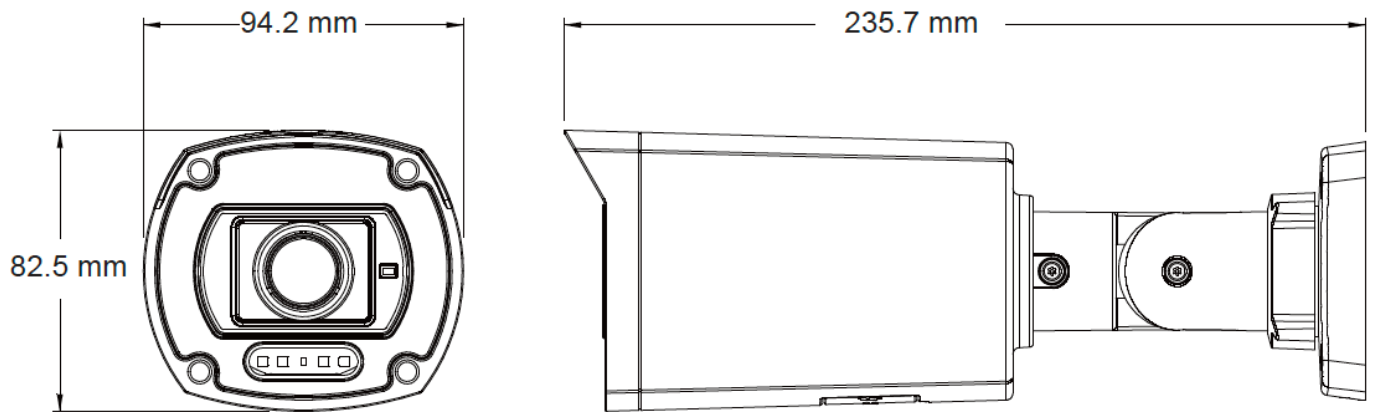
-40°C~60°C

DivioTec NBD521 Bullet Camera

Camera	
Image sensor	1/2.8" 5MP Progressive CMOS
Lens	Motorized lens, 2.7–15 mm, F1.65–F3.22 Field of view (H/V/D): 103.6°-28.5°/75.5°-21.4°/143.8°-35.7° Remote zoom and focus, P-Iris, IR corrected
Day and night	ICR
Minimum illumination	With LightSolver II™: Color: 0.006 lux B/W: 0.0009 lux; 0 lux (IR on)
Shutter speed	1/71428 s to 1/3 s
Video	
Video compression	H.265/H.264/MJPEG
Resolution	2592 x 1944 to 320 x 240
Frame rate	H.265/H.264: Up to 30 fps in all resolutions; up to 60 fps at 1920 × 1080 Motion JPEG: Up to 15 fps in all resolutions
Video streaming	Triple, individually configurable streams in H.265, H.264, and Motion JPEG Controllable frame rate and bandwidth (VBR/CVBR) for H.265/H.264/Motion JPEG
WDR	Up to 140 dB depending on scene
Profile management	Support up to configurable 10 schedules (Day/Night/Manual) with start time and duration
Image settings	Saturation, contrast, brightness, sharpness, white balance, backlight compensation, noise reduction, hue adjustment, day/night threshold, gain control, defog, dynamic text, rotation: 0°, 90°, 180°, 270°, mirroring
Motion detection	5 areas
Privacy masks	5 areas
ROI (Region of Interest)	5 areas
Audio	
Audio features	Automatic gain control Audio Detection
Audio streaming	Two-way audio
Audio encoding	G.711 8KHz, 8 bits (A-Law/U-Law)
Audio input/output	Support
Security	
Network protocols	IPv4, IPv6, HTTP, HTTPS, TCP/IP, UDP, UPnP, RTSP, RTP, SMTP, NTP, DHCP, FTP, Zero Configure, 802.1x, Firewall, NFS, DNS, DDNS, SNMP v2c/v3, QoS, LDAP, ICMP, Bonjour, SSL, RTMP
System integration	
Application	Open API for software integration ONVIF® Profile G, S, T, M, specifications at onvif.org
Event conditions	Analytics, scheduled event Device status: motion detection, tampering alarm, audio detection, network loss detection I/O: alarm input, audio input
Event actions	Record video: SD card and network share Upload of snapshots or video clips: FTP, HTTP network share, and email Notification: email, HTTP, TCP, FTP, SMTP External output, alarm output activation

Analytics	
Advanced	Object classes: human, vehicles Scenarios: behavior detection and counting analytics, including line crossing, intrusion, loitering, wrong way
Essential	Object left, object removed
Approvals	
EMC	CE/FCC
Safety	UL
Environment	IP67, IK10
General	
Casing	Color: white
Power	Power over Ethernet (PoE) IEEE 802.3af class 3, max. 7.5 W DC 12V, max 6.5 W
Connectors	RJ45 10/100 BASE-T PoE DC power input Audio: input / output Alarm: input / output
3-Axis Adjustment	Pan: 360° Tilt: ± 90° Rotation: 350°
Illumination	IR LEDs: 55 m (180 ft) or more depending on scene White LEDs: 30 m (98 ft) or more depending on scene
Reset Button	Support
Storage	Support for microSD/microSDHC/microSDXC card Recording to network storage
Browser	Google Chrome, Microsoft Edge, Firefox, Safari
Operating Conditions	Temperature: -40 °C to 60 °C (-40 °F to 140 °F) Humidity: 10-90% (non-condensing)
Storage Conditions	Temperature: -40 °C to 60 °C (-40 °F to 140 °F)
Dimensions	Length: 235.7 mm (9.28 in) Width: 94.2 mm (3.71 in) Height: 82.5 mm (3.25 in)
Weight	775 g (1.71 lb)
Language	English/Traditional Chinese
Ordering Information	NBD521 5MP dual-light bullet, motorized lens, IP67, IK10

Dimension Drawing



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Specifications are subject to change without notice.
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