

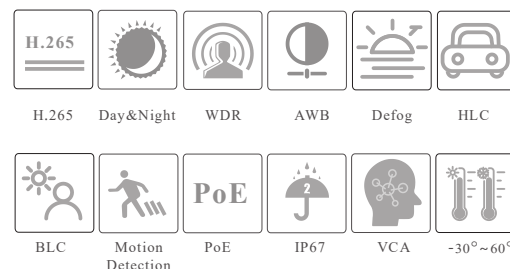
CAMERA

NGC-7312VAZ

12MP IR Water-Proof Bullet Network Camera



- H.265+/H.265/H.264+/H.264/MJPEG coding
- Max. resolution: 4000 × 3000
- ICR auto switch, true day / night vision
- Up to 70m IR night view distance; motorized zoom lens
- 3D DNR, true WDR, HLC, BLC, Defog, Smart IR and ROI coding
- Support image distortion correction
- Built-in micro SD card slot; up to 512GB
- DC12V/PoE power supply
- IP 67 ingress protection
- Support five streams
- Support remote monitoring by smart phones & tablet PCs with iOS and Android OS
- Support P2P function
- Intelligent analytics
- Dual system backup



NGC-7312VAZ

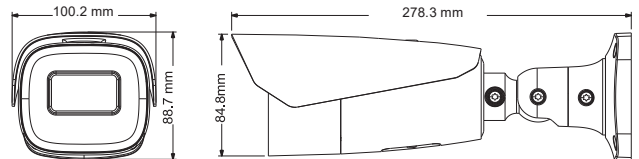
12MP IR Water-Proof Bullet Network Camera

SPECIFICATIONS

Specifications	Model	NGC-7312VAZ		
Camera				
Image Sensor		1 / 1.7 "CMOS		
Image Size		4000 × 3000		
Electronic Shutter		1 / 3 s ~ 1 / 100000 s		
Iris Type		DC Iris		
Min. Illumination		Color: 0.006 lux@F1.4, AGC ON; B&W: 0 lux with IR		
Lens		2.8~12mm@F1.4, H.FoV: 96°~46°; V.Fov: 70°~35°; D.FoV: 128°~58°		
Focus		Motorized		
Lens Mount		Φ14		
Day & Night		ICR		
Wide Dynamic Range		75dB		
BLC		Yes		
HLC		Yes		
Defog		Yes		
S/N Ratio		≥ 50 dB		
Digital NR		3D DNR		
Angle Adjustment		Pan: 0°~360°; Tilt: 0°~90°; Rotation: 0°~360°		
Image				
Video Compression		Main stream: H.265+ / H.265 / H.264+ / H.264 Sub /Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG Fourth/Fifth stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG		
H.264 Compression Standard		Baseline Profile/Main Profile/High Profile		
Resolution		12MP (4000×3000), 8MP (3840 × 2160), 6MP (3200×1800), 4MP (2688×1520), 1080P(1920×1080), 720P (1280×720), D1, VGA (640×480), 640×360, CIF, 480×240		
Main Stream		12MP/8MP/6MP/4MP/1080P(60Hz : 1 ~ 30fps; 50Hz: 1~25fps)		
Sub Stream		1080P/720P/D1 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)		
Third Stream		720P/D1/VGA/640×360/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)		
Fourth Stream		D1/VGA/640×360/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)		
Fifth Stream		D1/VGA/640×360/CIF/480×240 (60Hz : 1 ~ 30fps; 50Hz: 1~25fps)		
Bit Rate		64 Kbps ~ 16Mbps		
Bit Rate Type		VBR / CBR		
Audio Compression		G711A / U		
Image Settings		ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser		
ROI		Each ROI to be configured separately		
Interfaces				
Network		RJ 45 10M/100M self-adaptive Ethernet port		
Video Output		CVBS output (BNC × 1)		
Audio		1CH audio input; 1CH audio output; 1 CH built-in MIC		
Storage		Built-in micro SD card slot; up to 512GB		
Reset		Yes		
Alarm		1CH alarm input; 1CH alarm output		
Intelligent Analytics				
Smart Event		Line crossing, region intrusion/entrance/exiting (human/vehicle classification) loitering detection, illegal parking detection, abandoned/ missing object detection		
Statistics		Target counting by line/area, heat map		
Exception Detection		Scene change, video blur and abnormal color detection, audio exception		
Face Detection		Face detection and face capture		
Video Metadata		Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 4 motor vehicle features and 1 non-motor vehicle feature		
DORI Distance				
Lens	Detect	Observe	Recognize	Identify
2.8~12mm(W)	86m(282ft)	34m(112ft)	17m(56ft)	9m(30ft)
2.8~12mm(T)	190m(623ft)	76m(249ft)	38m(124ft)	19m(62ft)
Functions				
Remote Monitoring		WebBrowser/Navaiio NVMS2.0/NVR/mobile APP		
Web Browser		Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+		

Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, HTTP, HTTP POST, 802.1x, UPnP, HTTPS, P2P, QoS
Interface Protocol	ONVIF
Storage	Network remote storage; micro SD card storage
Smart Alarm	Motion detection, SMD, SD card error, SD card full, IP address conflict, network disconnection, audio alarm
GeneralFunction	Watermark, video mask, heartbeat, image distortion correction, corridor pattern, disarming, ANR, cloud upgrade
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegalloginlock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP
PoE	Yes, IEEE802.3af
IRDistance	50 ~ 70 m
Ingress Protection	IP 67
Others	
Power Supply	DC12V/PoE
Power Consumption	< 12W
Storage Conditions	- 30 °C ~ 65 °C (-22 °F ~ 149 °F), Humidity: less than 95 % (non-condensing)
Operating Conditions	- 30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	278.3 × 100.2 × 88.7
Weight (net)	Approx. 1.04KG
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU), directive 94/62/EC and REACH(EC1907/2006)

DIMENSIONS



AVAILABLE ACCESSORIES



NAV-DJD

NAV-DJD +
NAV-SAS

NAV-DJD +
NAV-SAC

NAV-DJD +
NAV-BTD