

# Navigation Camera

Experience the possibilities that AI can bring to your confidence and security on or off the water

## POWER AND SIMPLICITY

The NVeyeTech Navigation Camera uses the power of advanced imaging to help you see hazards that are typically hidden. Unlike thermal imaging, IR night vision technology helps you pinpoint potential threats that are the same temperature as the environment, and with built-in illumination you will never miss an important moment. Experience integrated AI via the mobile app so you can identify and track hazards in real-time. With the addition of a video-over-ethernet connection this model can also connect to your MFD, so you can build the navigation setup that's most compatible with your vessel or vehicle while still enjoying mobile video and command & control via WiFi.

- **Integrated AI** via iOS/Android App
- **Stream, Record and Store over WiFi** via Mobile Device
- **Identify & Track Hazards** in Real-Time
- **Easy Installation** with Minimal Wiring
- **2x or 4x Digital Zoom**



### Crystal Clear Navigation

NaviCam's 4K CMOS sensor and IR illumination deliver crystal clear navigation in any lighting. Its high resolution and wide dynamic range make it essential for land and sea navigation.



### Artificial Intelligence

Advanced AI detection eliminates guesswork by instantly identifying, classifying, tracking, and ranging potential hazards in real-time.



### Anywhere, Any Weather

Small, rugged and capable, Navicam is ready to help navigate any terrain or waterway in any weather.

For full specs, visit  
[seewhatliesahead.com](http://seewhatliesahead.com)

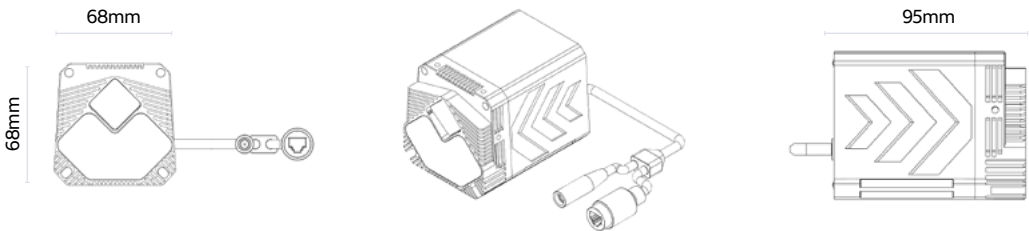


CAMERA	CV4G / CV4B		CV3G / CV3B	
	Sensor Type	4K Color CMOS sensor	4K Color CMOS sensor	
	Resolution	3840x2160 [8.5Mpix]	3840x2160 [8.5Mpix]	
	Horizontal FOV	27	43	
	Wavelength Range	400-1000 nm	400-1000 nm	
	Focus Range	3M (9 ft) to Infinity	3M (9 ft) to Infinity	
	Lens	12mm F-2	8mm F-2	
	Shutter Type	Rolling	Rolling	
	Minimal Illumination	2mLux (Moonless Starlight)	2mLux (Moonless Starlight)	
	IR Cut Filter	Mechanical IRC	Mechanical IRC	
SYSTEM	Image Encoding	JPG	JPG	
	Video Encoding	H264/ H265/ MJPG	H264/ H265/ MJPG	
	Video Out	Ethernet / WiFi	Ethernet / WiFi	
	Video Stream Protocols	RTSP, ONVIF, WebRTC	RTSP, ONVIF, WebRTC	
	Video Streams Resolution	1080p	1080p	
	IR Illumination	850nm	850nm	
	IR Illumination FoV	30	30	
	IR Illumination Max Power	15W [PWM]	15W [PWM]	
COMMUNICATION	Wired Network	10/100	10/100	
	Wireless Network	802.11b/g/n/ac	802.11b/g/n/ac	
	Wireless Range	10m (33')	10m (33')	
	WiFi Security	WPA2	WPA2	
	Network Protocol	RTSP, ONVIF-S, HTTP, TCP, UDP, TFTP, TELNET	RTSP, ONVIF-S, HTTP, TCP, UDP, TFTP, TELNET	
POWER	Voltage Input Range [Vdc]	12-24Vdc	12-24Vdc	
	Max Input Current [Adc]	2A	2A	
	Power Input Range [Watts]	5W - 20W	5W - 20W	
	Power Connection Type	Tinned Copper Wire	Tinned Copper Wire	

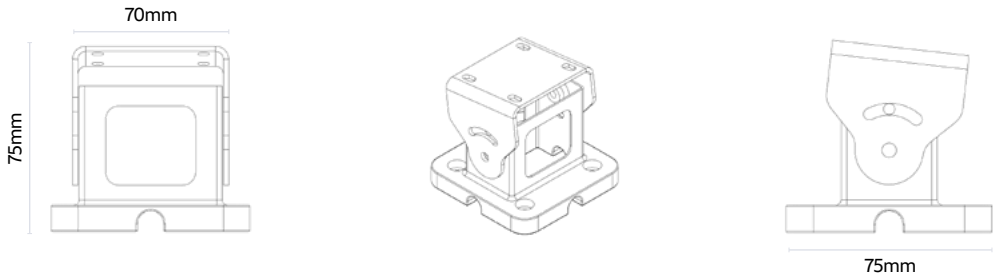
ENVIRONMENTAL	CV4G / CV4B		CV3G / CV3B	
	Ingress Protection	IP67	IP67	
	EMC	IEC60945 IK07	IEC60945 IK07	
	Operating Temperature	-20 to +50 °c (-4 to 122°F)	-20 to +50c (-4 to 122 f)	
CAMERA - PHYSICAL	Storage Temperature	-40 to +60 °c (-40 to 140°F)	-40 to +60 °c (-40 to 140°F)	
	Weight	350g (0.8Lbs)	350g (0.8Lbs)	
	Dimensions	68 x 68 x 95mm (2.68 x 2.68 x 3.74 in)	68 x 68 x 95mm (2.68 x 2.68 x 3.74 in)	
	Mounting Options	1/4 x 20 Bottom Mount / VESA 4-Point 50 mm Mount	1/4 x 20 Bottom Mount / VESA 4-Point 50 mm Mount	
	Material	UV Stabilized ABS/PC Blend   Machined Aircraft Aluminum	UV Stabilized ABS/PC Blend   Machined Aircraft Aluminum	
	Dimensions (Mount)	70x75x75mm (2.75"x3"x3")	70x75x75mm (2.75"x3"x3")	
OTHER FEATURES	Material (Mount)	Machined Aluminum	Machined Aluminum	
	Image Orientation Control	Flip / Mirror   Rotate	Flip / Mirror   Rotate	
	Digital Zoom	2X or 4X	2X or 4X	
	Electronic Image Stabilization	6-axis IMU	6-axis IMU	
	Day / Night Modes	Automatic / Manual / OFF	Automatic / Manual / OFF	
	Digital Dynamic Range	WDR / HDR	WDR / HDR	
	Digital Noise Reduction [DNR]	Yes	Yes	
MOBILE APPLICATION	Operating Systems	Android / iOS	Android / iOS	
	Video Analytics	AI-based Analytics	AI-based Analytics	
	Video Recording	Local Storage	Local Storage	

Mechanical Line Art

CAMERA



MOUNT



# NVeyeTech

See what lies ahead.

---

## CONTACT US

[seewhatliesahead.com](http://seewhatliesahead.com)

[tom.frane@nveyetech.com](mailto:tom.frane@nveyetech.com)

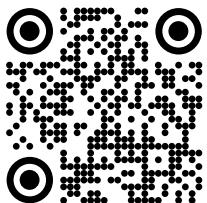
+1 (503) 701-0213

4422 Airport Expressway, Suite 220

Fort Wayne, IN 46809

United States

---



Scan for full specs and to **learn more about how you can harness the power of AI integrated with advanced day & night vision technology** powered by the next generation of intelligent vision systems.

