



Alpha Voyage

Sensors fusions technology enhances Function of AR Navigation System to support Vessel safety Navigation

Target Information

Ship Heading

Danger Alert

Ship Location

Route Display

Mode

Range Control

System Setup

[Collision alarm setting]		ON	X
CPA / TCPA	0.5 NM 1 min		
Forward scan	2 NM		
Rec. status :	RECPDOMG		
Route display	ON	<input checked="" type="checkbox"/>	
Clear past route	Clear		

CPA/TCPA

Forward Scan

Recording

Route ON/OFF

Clear Past Route

Horizon Line

Detected Target

Main Features



Intuitive situational awareness through AI based AR View

Enhancement of Sensors fusion technology (Camera, AIS, Radar)

Display of major navigation information and critical collision risks

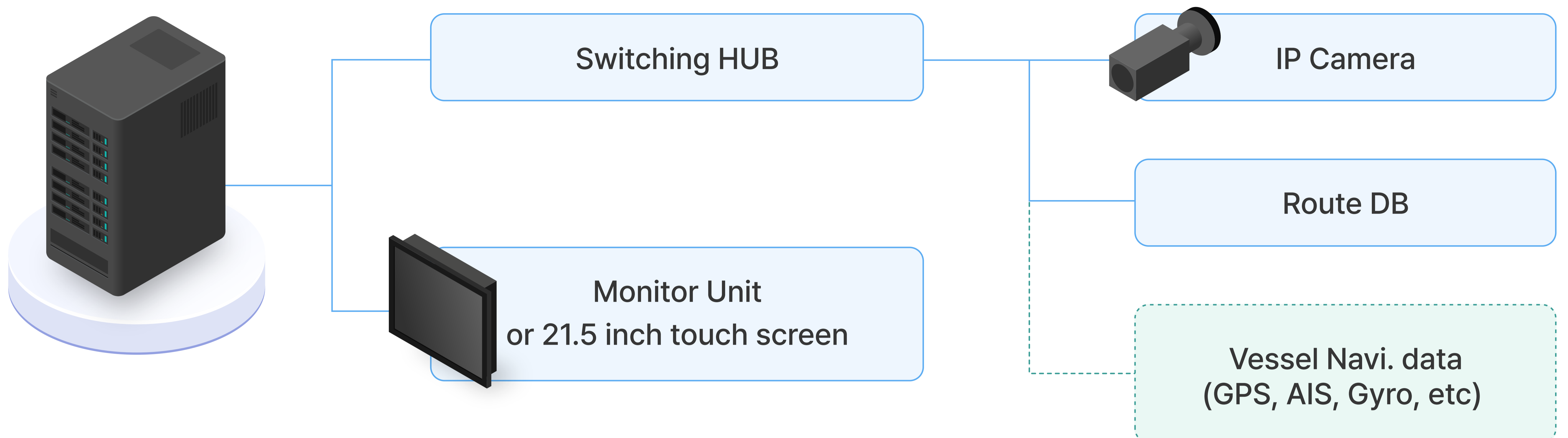
720 hours of video storage on local server

Together with myView, mobile bridge monitoring system, makes Alpha Voyage more safer and convenient anytime & anywhere

Sensor fusion technology helps Navigators avoid Dangerous situations



Configuration



Specifications

1. Processor Unit

Section	Specifications
Power Specification	AC 220 V, 60 Hz, 1 Phase(IEC Standard Type)
Power Consumption	300W (PLUS Gold)
Dimension (PC with kit)	290mm (H) x 92.6mm (W) x 292mm (D)
Weight (PC with kit)	5.26kg
Temperature Range	Operating : 0°C to 70°C
	Non-Operating : -20°C to 60°C
Humidity Range	Operating : up to 95%
	Non-Operating : up to 95%
Certification	ABS, BV, CCS, DNVGL, KR, LR, NK, IEC 60945

2. Monitor Unit

Section	Specifications
Viewable Size	21.5 inch diagonal
Aspect Ratio	16:9
Power Specification	100~230VAC 50/60Hz (IEC Standard Type) DC24V (Terminal Block)
Power Consumption	300W (PLUS Gold)
Dimension (PC with kit)	290mm (H) x 92.6mm (W) x 292mm (D)
Weight (PC with kit)	5.26kg
Temperature Range	Operating : -15°C to +55°C
	Non-Operating : -20°C to +60°C
Humidity Range	Operating : up to 95%
	Non-Operating : up to 95%
IP-Rating	IP65 Front
Test Approval	IEC 60945 4th, IACS E-10, IEC 60529
Certification	DNV GL

3. Camera

Section	Specifications
Resolution	1920 × 1080
Aspect Ratio	16:9
Protocols	TCP/IP, RTSP
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Power Specification	12 VDC ± 25%
Power Consumption	12 VDC, 1.2 A, max. 14.4 W
Dimension (PC with kit)	Φ144.1 × 332.7 mm (Φ5. 7"× 13.1")
Weight	approx. 1893 g (4.2 lb.)
Temperature Range	Operating : -30 °C to +60 °C (-22 °F to +140 °F)
Humidity Range	Operating : 95% or less (non-condensing)
IP-Rating	IP66, IK10