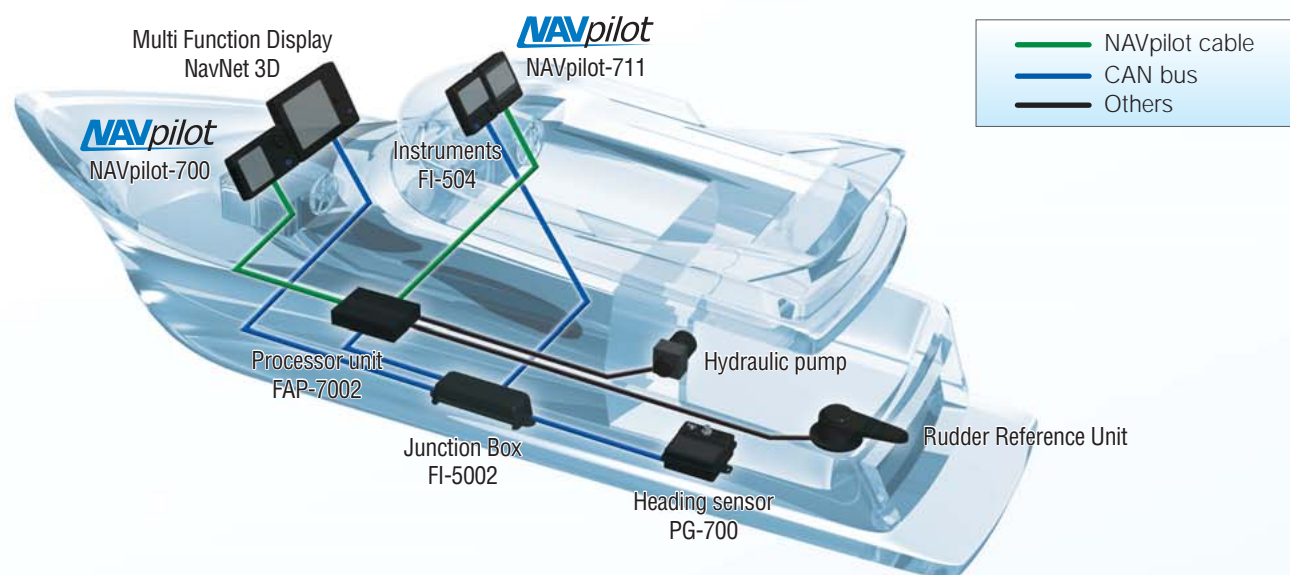




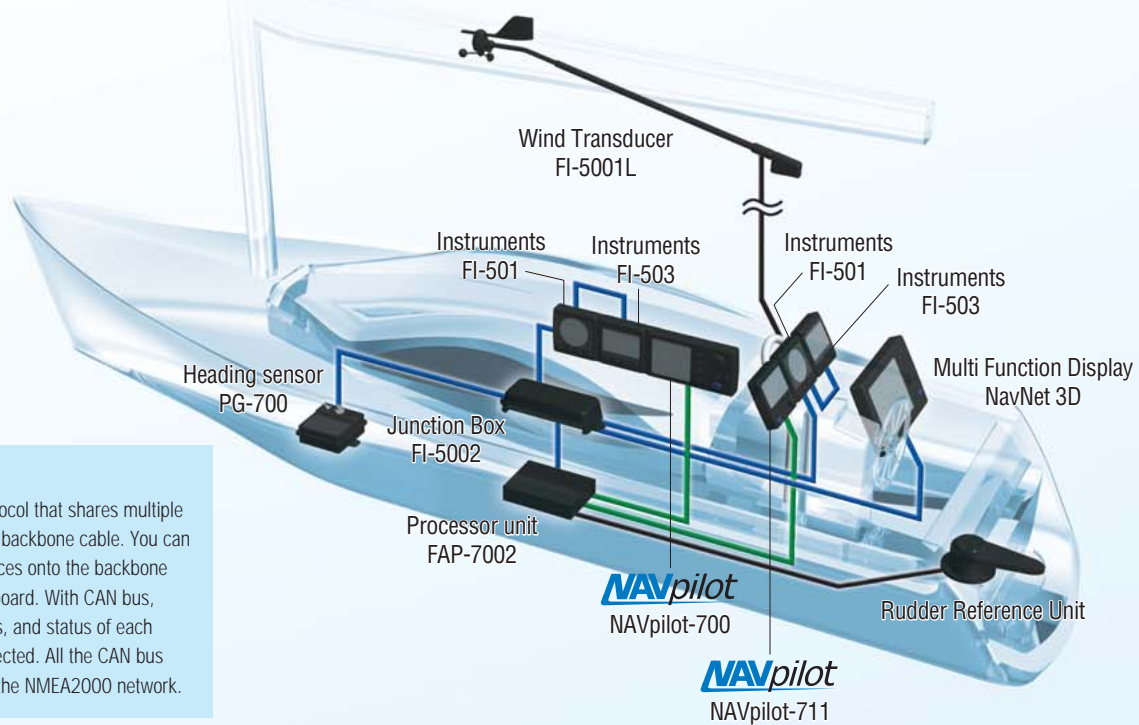
Furuno's new NAVpilot series is designed to match the NavNet 3D, FI-50 Instrument series and other navigation equipment. The "Plug and Play" CAN bus interface allows for easy installation and exceptional interface ability. The diagrams below show typical installations for power and sail boats.



**POWER BOAT**



**SAIL BOAT**



**What is CAN bus?**

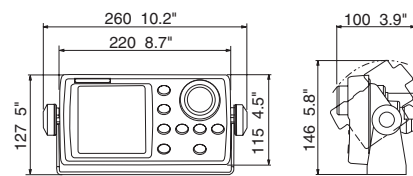
CAN bus is a communication protocol that shares multiple data and signals through a single backbone cable. You can simply connect any CAN bus devices onto the backbone cable to expand your network onboard. With CAN bus, IDs are assigned to all the devices, and status of each sensor in the network can be detected. All the CAN bus devices can be incorporated into the NMEA2000 network.

**SPECIFICATIONS OF**

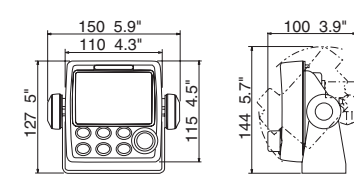
**NAVpilot**

		AUTOPILOT		
		NAVpilot-700	NAVpilot-711	NAVpilot-720
<b>CONTROL UNIT</b>				
Display	Monochrome LCD			
Effective Display Area	85.2 (W) x 85.2 (H) mm		85.2 (W) x 43.6 (H) mm	
Pixel Number	160 x 160 dots		160 x 80 dots	
Backlight	8 steps			
Contrast	16 steps			
<b>PROCESSOR UNIT</b>				
Rudder Angle Adjustment	STBY, Auto, Navigation*, Wind**, Fish Hunter*, Turn, Tack, NFU, FU, Dodge * Navigational data required ** Wind data required			
Sea Condition Adjustment	AUTO/CALM/MODERATE/ROUGH			
Rudder Angle Settings	55° max			
Alarm	Deviation, Out of course*, Watch, Ship's speed*, Water temperature*, Depth*, Log*, Wind Deviation** * Navigation data required ** Wind data required			
<b>INTERFACE</b>				
Ports	CAN bus: 1, NMEA0183: 2			
Input	(NMEA0183) AAM, APB, BOD, BWC, BWR, DBT, DPT, GNS, GGA, GLL, HDG, HDT, HDM, MTW, MWV, RMC, RMB, ROT, RSA, TLL, VTG, VHW, VWR, VWT, VHW, XTE, ZDA (CAN bus) 059392, 059904, 060928, 126208, 126992, 126996, 127250, 127251, 127258, 127488, 127489, 128259, 128267, 129025, 129026, 129029, 129033, 129283, 129284, 129285, 130306, 130310, 130311, 130577, 130312, 130313, 130314, 130577			
Output	(NMEA0183) DBT, DPT, GGA, GLL, GNS, HDG, HDM, HDT, MTW, MWV, RMB, ROT, RSA, VHW, VTG, VWR, VWT, ZDA (CAN bus) 059392, 059904, 060928, 126208, 126464, 126992, 126996, 127245, 127250, 127251, 127258, 128259, 128267, 129025, 129026, 129029, 129033, 129283, 129284, 129285, 130306, 130310, 130311, 130312			
<b>ENVIRONMENT</b>				
Temperature	-15°C to +55°C			
Waterproofing	Processor unit	IPX0		
	Other unit	IPX5 (Front panel), IP56		
<b>POWER SUPPLY</b>				
12-24 VDC: 4.0 A (excluding pump)				
<b>EQUIPMENT LIST</b>				
Standard	Control Units* (FAP-7001/7011/7021), Processor Unit FAP-7002, Installation Materials and Spare Parts *Specify when ordering			
Option	Control Units, Flush Mount Kits, Hanger Kits, Cradle, Rudder Reference Units FAP6112-200*, Remote Controllers, Cables, Connectors, Junction Box			

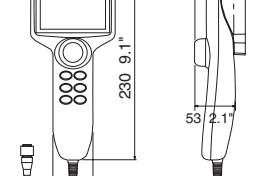
**NAVpilot-700 Control Unit (Bracket-mount) FAP-7001**  
0.9 kg 1.9 lb



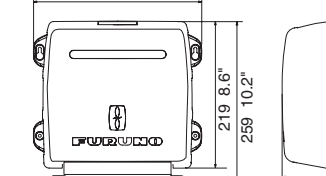
**NAVpilot-711 Control Unit (Bracket-mount) FAP-7011**  
0.52 kg 1.15 lb



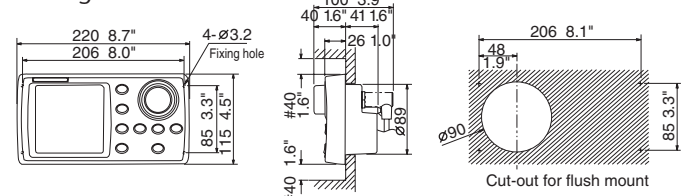
**NAVpilot-720 FAP-7021**  
0.99 kg 2.2 lb



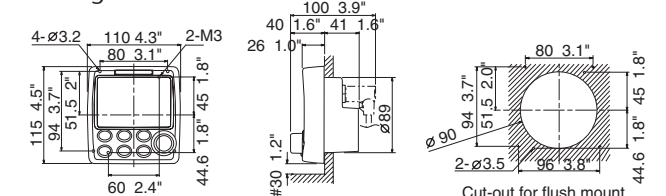
**Processor Unit FAP-7002**  
1.9 kg 4.2 lb



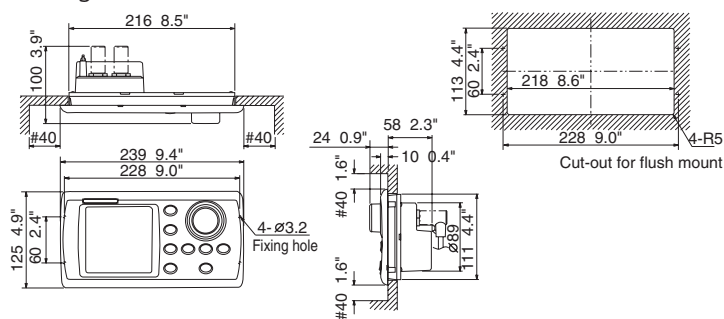
**NAVpilot-700 Control Unit (Surface-mount)**  
0.62 kg 1.4 lb



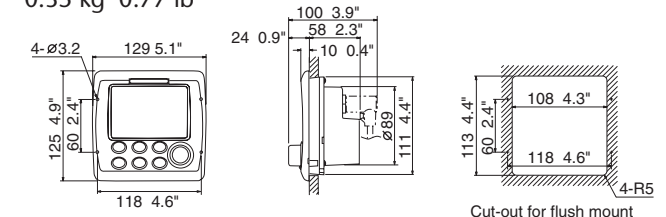
**NAVpilot-711 Control Unit (Surface-mount)**  
0.34 kg 0.75 lb



**NAVpilot-700 Control Unit (Flush-mount)**  
0.64 kg 1.4 lb



**NAVpilot-711 Control Unit (Flush-mount)**  
0.35 kg 0.77 lb



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**NAVpilot**

NAVpilot-700/711/720  
**AUTOPILOT**



