

SPECIFICATIONS OF AUTOPILOT NAVpilot-300

1 CONTROL UNIT

- 1.1 Screen type 4.1-inch TFT color LCD, 320 x 240 (QVGA)
- 1.2 Brilliance 700 cd/m² typical
- 1.3 Contrast 8 steps
- 1.4 Max. number of unit in a network 3 units

2 PROCESSOR UNIT

- 2.1 Steering mode STBY, Auto, Dodge, NFU (Non-follow up), Turn, Advanced auto*, Navigation*, FishHunterTM*, Override
*: external data required
- 2.2 Rudder gain Auto/ 1-20 (Manual)
- 2.3 Counter rudder Auto/ 0-20 (Manual)
- 2.4 Trim adjustment -5° (port) to +5° (stbd)
- 2.5 Course change speed 1 to 20 deg/s
- 2.6 Alarm Heading deviation, Watch
- 2.7 Motor drive 10 A continuous, 20 A for 5 seconds

3 GESTURE CONTROLLER

- 3.1 Screen type 1.28-inch TFT LCD, 128 x 128
- 3.2 Communication distance 10 m wide view (depended on environmental conditions)
- 3.3 Source 3 VDC, Dry cell battery (AAA, 2 pcs)

4 INTERFACE

- 4.1 Number of port
 - NMEA2000 1 port
 - CAN bus 1 port, DBW control
 - Contact signal 3 ports, Safe helm, STBY switch
 - USB 1 port, for maintenance only
- 4.2 Bluetooth LE Between processor unit and gesture controller
 - Frequency 2.4 GHz
 - Transmit power +4 dBm
- 4.3 NMEA2000 PGN
 - Input 059392/904, 060160/416/928, 061184, 065240, 126208/464/720/992/996, 127237/250/258, 128259, 129025/026/029/283/284/285/538, 130577/818/821/827/841
 - Output 059392/904, 060928, 126208/464/720/993/996/998, 127237/245, 130816/821/822/823/827/841

5 POWER SUPPLY

- 5.1 Processor unit 12-24 VDC: 0.22 A max., LEN: 2
- 5.2 Control unit 15 VDC: 0.29 A max., LEN: 6

6 ENVIRONMENTAL CONDITIONS

- 6.1 Ambient temperature -15°C to +55°C
- 6.2 Relative humidity 95% or less at +40°C
- 6.3 Degree of protection
 - Processor unit IP55
 - Control unit IP56
 - Gesture controller IP65/67 (second numeral characteristic as follows)
 - 5: Protected against water jets.
 - 7: Protected against the effects of temporary immersion in water.
- 6.4 Vibration IEC 60945 Ed.4

7 UNIT COLOR

- 7.1 Processor/ control unit N2.5
- 7.2 Gesture controller N1.0