



## NPD2425 24" FHD IP65 Sunlight Readable Marine Display

NAVPIXEL NPD2425, the high-performance, rugged touch monitor, is specially engineered to survive from the most demanding working environment. Housed in a milled billet aluminum case, the slim-profile NAVPIXEL NPD2425 is light weight and watertight. The front-mounted sunlight readable touch screen makes the industrial rugged monitor vividly and user-friendly. In addition, the high power efficiency and low heat design guarantee the stability and longevity required for mission critical deployment.

### Features:

- 1000 nits Sunlight Readable LCD
- Long Life, Low Power Consumption LED Backlight
- Wide Operating Temperature
- Picture In Picture Function
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- Resistive Touch Support
- IP65 Facial Waterproof
- 9-36V DC Input

### Application:

- Marine



| Specifications                   |   | Preliminary |
|----------------------------------|---|-------------|
| <b>Model Number</b>              | <b>NPD2425</b>  |             |
| <b>Description</b>               | <b>24" FHD IP65 Sunlight Readable Marine Display</b>      |             |
| <b>Backlight</b>                 | LED Backlight   |             |
| <b>Active Display Area</b>       | 531.36 x 298.89mm   |             |
| <b>Brightness</b>                | 1000 cd/m <sup>2</sup>                                    |             |
| <b>Resolution</b>                | 1920x1080 (FHD)   |             |
| <b>Contrast Ratio</b>            | 3000:1  |             |
| <b>Pixel Pitch (mm)</b>          | 0.276(H) x 0.276 (V)                                      |             |
| <b>Viewing Angle</b>             | 178 (H), 178(V)   |             |
| <b>Display Color</b>             | 16.7M   |             |
| <b>Response Time</b>             | 25ms  |             |
| <b>Inputs</b>                    | VGAx2, DVIx2, Compositex3, RS232x1, USBx1                 |             |
| <b>PIP Support</b>               | 3 Stages (child, split & wide screen)                     |             |
| <b>Mechanical</b>                |   |             |
| <b>IP Rating</b>                 | Facial waterproof to IP65 standards when console mounted. |             |
| <b>Construction</b>              | Rugged Aluminum Alloy Chassis                             |             |
| <b>Mounting</b>                  | Panel (Flush) mount, VESA mount                           |             |
| <b>Dimension (mm)</b>            | TBD   |             |
| <b>Net Weight</b>                | TBD   |             |
| <b>Power</b>                     |   |             |
| <b>Voltage</b>                   | DC Input Voltage: DC 9~36V                                |             |
| <b>Power Consumption</b>         | 50W   |             |
| <b>Environmental</b>             |   |             |
| <b>Operating Temperature</b>     | -10°C~50°C  |             |
| <b>Non-Operating Temperature</b> | -20°C~70°C  |             |
| <b>Certification</b>             | CE / FCC  |             |
| <b>Marine Type Approval</b>      | NA  |             |

Specifications are subject to change without notice.

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## Mechanical Drawing

### Outline Dimensions

Unit:mm

TBD

## Ordering Information

| Part Number       | Description   |
|-------------------|---|
| NPD2425-EGAW-H01  | 24", 1000nits, FHD, AR Glass, LID24, AD8668, WP, VR, AOT, V01   |
| NPD2425-EGAW-H011 | 24", 1000nits, FHD, AR Glass, LID24, AD8668, WP, VR, AOT, with adaptor, V01                           |
| NPD2425-ETAW-H01  | 24", 1000nits, FHD, T/OT-5w-res-usb.(Transparency:80%), LID24. AD8668, WP, VR, AOT, V01               |
| NPD2425-ETAW-H011 | 24", 1000nits, FHD, T/OT-5w-res-usb.(Transparency:80%), LID24. AD8668, WP, VR, AOT, with adaptor, V01 |
|                   |   |

## Optional Accessories

| Part Number             | Description   |
|-------------------------|---|
| 810650005110            | CABLE, POWER, DC, 5000mm, TER. MINAL TO OPEN, 14AWG*2C+BRA.ID, COOL GRAY 7C PVC JACKET, P |
| 810130001000            | CABLE. VGA. 3000mm. D-SUB15P MALE. BLUE TO D-SUB 15P MALE BLUE. BLACK. P                  |
| 321189155501            | Print, Menu, User, NPD. 1555, V0, series, P   |
| 112615315401 x (4)      | Metal, SPCC, NPS, 1531, Lock, V0, P   |
| 214032121101 x (4)      | Screw, M4, 32mm, Round, Ni, P   |
| 460100002101 x (4)      | Fixture, other, MP-4, V0, P   |
| 980000560010 (Optional) | SET, OTHER, ADAPTER REWORK. 60W KPA-060F WITH Y TYPE. TERMINAL, P                         |
| 810618301010 (Optional) | CABLE. POWER. AC. 1830mm USA type   |
| 810618301090 (Optional) | CABLE. POWER. AC, 1830mm Europe type  |
| 810618301050 (Optional) | CABLE. POWER. AC. 1830mm UK type  |
| 810618301170 (Optional) | CABLE. POWER, AC, 1830mm Australia type   |
| 810618301030 (Optional) | CABLE. POWER. AC. 1830mm Japan type   |