

## NPD2425

### 24" FHD IP65 Sunlight Readable Multi-Touch 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
- Projected Capacitive Multi-Touch Support
- IP65 Facial Waterproof
- Isolation Power 9-36V DC Input

#### Application:

- Marine



## Specifications

V1

<b>Model Number</b>	<b>NPD2425</b>
<b>Description</b>	<b>24" FHD IP65 Sunlight Readable Multi-Touch 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>	601.68(W)x423.3(H)x57.7(D)
<b>Net Weight</b>	7.8Kg
<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>	Designed to meet CE / FCC Class A
<b>Marine Type Approval</b>	Designed to meet CE/FCC & BV Marine Approval Pending

Specifications are subject to change without notice.

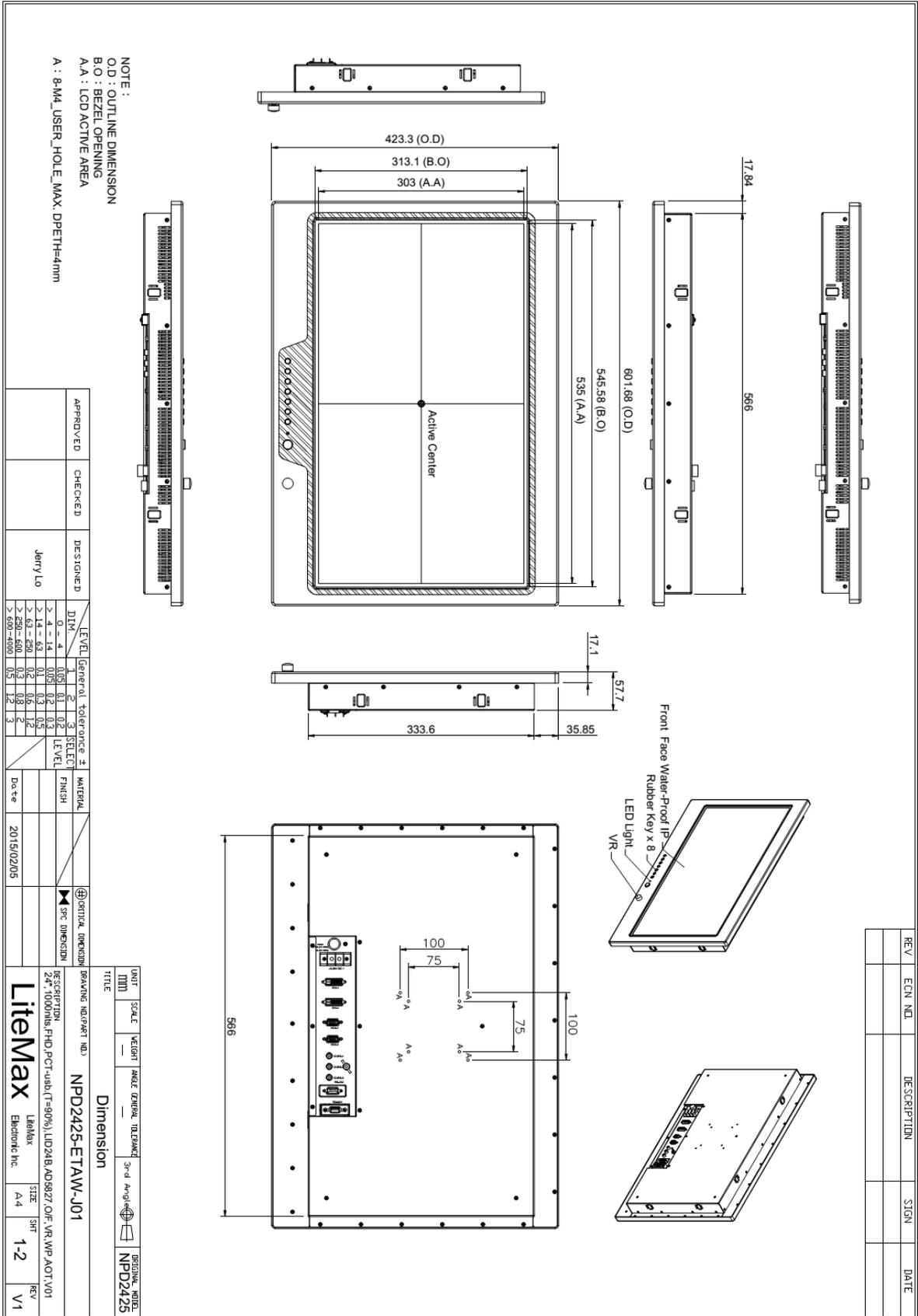
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# Mechanical Drawing

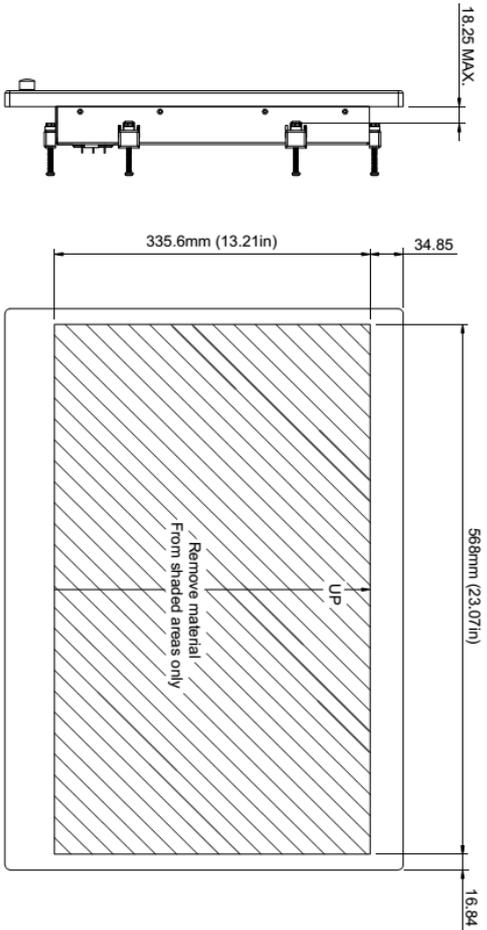
## Outline Dimensions

Unit:mm





REV	ECN NO.	DESCRIPTION	SIGN	DATE



APPROVED	CHECKED	DESIGNED	DATE
		Jerry Lo	2015/02/05

LEVEL	General	tolerance	±	SELECT	MATERIAL	FINISH
DIM.	1	2	3	LEVEL		
0 - 4	0.05	0.1	0.2			
> 4 - 14	0.05	0.2	0.3			
> 14 - 250	0.2	0.6	1.2			
> 250 - 600	0.3	0.8	2			
> 600 - 1000	0.5	1.2	3			

UNIT	SCALE	WEIGHT	ANGLE	GENERAL	TOLERANCE	3 <sup>rd</sup> Angle	DRISMA	NO. 1
MM								NPPD2425

DRAWING NO./PART NO. **NPPD2425-ETAW-J01**  
 DESCRIPTION: 24" 1000mls FHD PCT-usb (T=90%) LID24B AD9827 / OF. VR.WP.AOT.V01  
**LiteMax** Electronic Inc. A-4 2-2 V1  
 DATE: 2015/02/05



**Ordering Information**

Part Number	Description
NPD2425-ETAW-J01	24",1000nits,FHD,PCT-usb(T=90%),LID24B,AD5827,O/F,VR,WP,AOT,V1

**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