NPD2118
21.5" IP65 Sunlight Readable Multi-Touch Marine Display

NAVPIXEL NPD2118, 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 NPD2118 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:
- 1600 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
Model Number	NPD2118	
Description	**21'5" IP65 Sunlight Readable Multi-Touch Marine Display**	
Backlight	LED Backlight	
Active Display Area	476.64 x 268.11mm	
Brightness	1600 cd/m²	
Resolution	1920x1080 (FHD)	
Contrast Ratio	1100:1	
Pixel Pitch (mm)	0.248(H) x 0.248 (V)	
Viewing Angle	170 (H), 160(V)	
Display Color	16.7M	
Response Time	5ms	
Inputs	VGAx2, DVIx2, Compositex3, RS232x1, USBx1	
PIP Support	3 Stages (child, split & wide screen)	
Mechanical		
IP Rating	Facial waterproof to IP65 standards when console mounted.	
Construction	Rugged Aluminum Alloy Chassis	
Mounting	Panel (Flush) mount, VESA mount	
Dimension (mm)	557.6(W) x 383.2(H) x 56.9(D)	
Net Weight	6kg	
Power		
Voltage	DC Input Voltage: DC 9~36V	
Power Consumption	47W	
Environmental		
Operating Temperature	-10°C~50°C	
Non-Operating Temperature	-20°C~70°C	
Certification	Designed to meet CE / FCC Class A	
Marine Type Approval	Designed to meet CE/FCC & BV Marine Approval Pending	

Specifications are subject to change without notice.
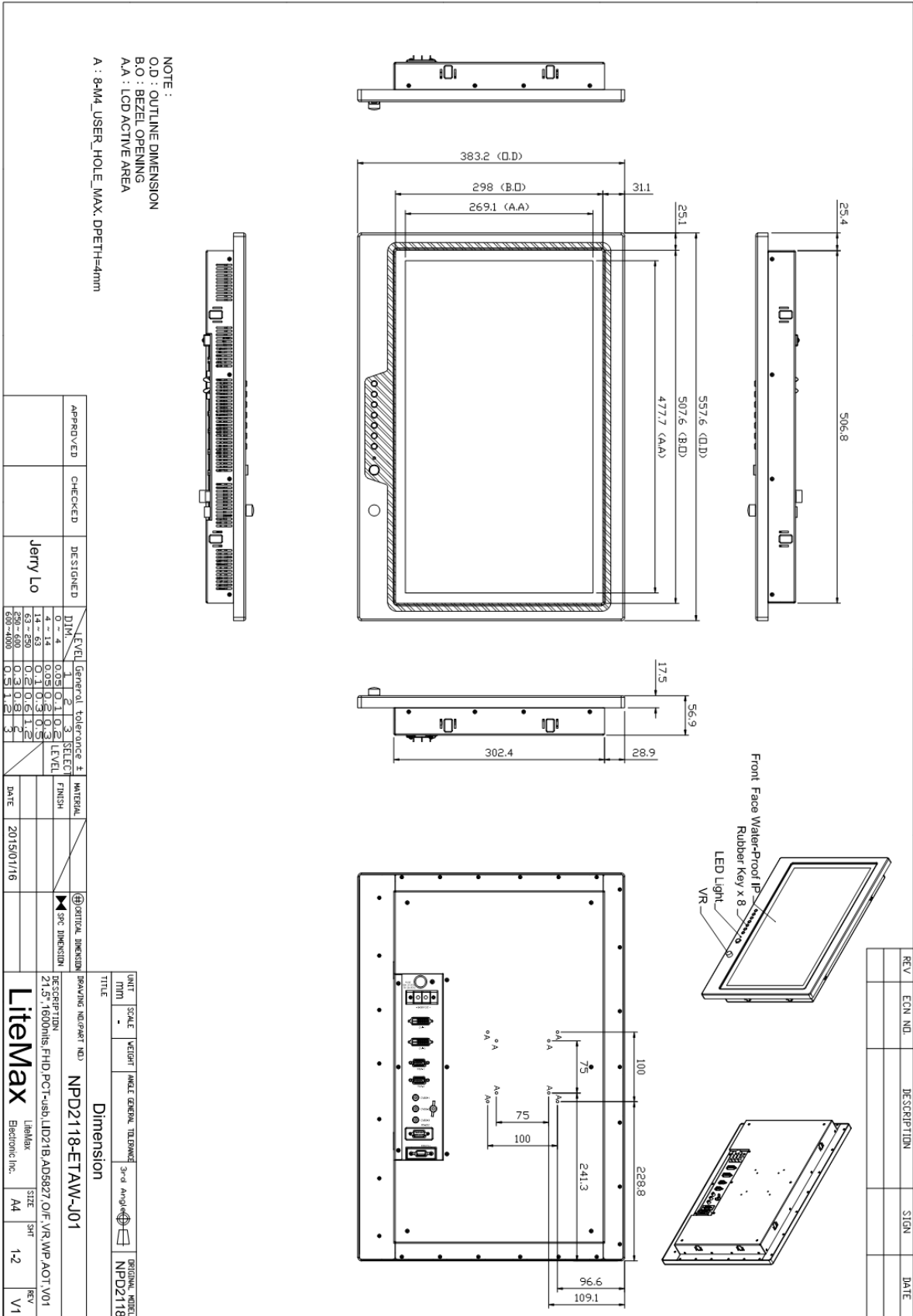*All brands or product names are trademarks or registered trademarks of their respective companies.*
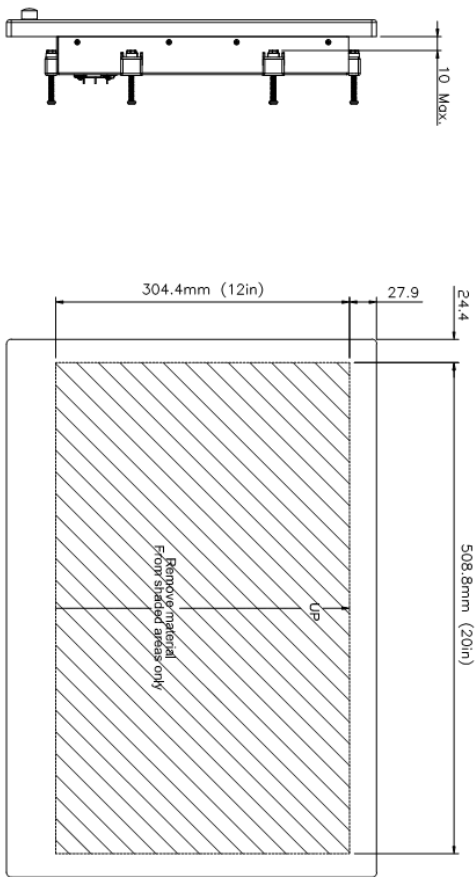
Outline Dimensions

Unit:mm

NOTE：
O.D : OUTLINE DIMENSION
B.O : BEZEL OPENING
A.A : LCD ACTIVE AREA
A : 8-M4_USER_HOLE_MAX. DPETH=4mm

383.2（O.D）
298（B.O）
269.1（A.A）
31.1
25.1
25.4
557.6（O.D）
507.6（B.O）
477.7（AA）
506.8

17.5
56.9
302.4
28.9

Front Face Water-Proof IP
Rubber Key x 8
LED Light
VR

100
75
75
100
241.3
228.8
96.6
109.1

Title Block:

LEVEL	General tolerance ±			
DIM.	1	2	3	SELECT
0 ~ 4	0.05	0.1	0.2	LEVEL
4 ~ 14	0.05	0.2	0.3	
14 ~ 63	0.1	0.3	0.5	
63 ~ 250	0.2	0.6	1.2	
250 ~ 600	0.3	0.8	2	
600 ~ 4000	0.5	1.2	3	

APPROVED
CHECKED
DESIGNED Jerry Lo
DATE 2015/01/16

MATERIAL
FINISH
⊕ CRITICAL DIMENSION
▶◀ SPC DIMENSION

LiteMax LiteMax Electronic Inc.

TITLE: Dimension
DRAWING NO./PART NO.: NPD2118-ETAW-J01
DESCRIPTION: 21.5",1600nits,FHD,PCT-usb,LID21B,AD5827,O/F,VR,WP,AOT,V01

UNIT: mm
SCALE: -
WEIGHT:
ANGLE GENERAL TOLERANCE: 3-rd Angle ⊕
SIZE: A4
SHT: 1-2
REV: V1
ORIGINAL MODEL: NPD2118

REV	ECN NO.	DESCRIPTION	SIGN	DATE

NPD2118 Flush Mount Template

Side View

10 Max.

Back View

304.4mm (12in)　　27.9　　24.4

508.8mm (20in)

Remove material from shaded areas only

UP

REV	ECN NO.		DESCRIPTION		SIGN	DATE

General tolerance ±

LEVEL DIM.	1	2	3	SELECT LEVEL
0 ~ 4	0.05	0.1	0.2	
4 ~ 14	0.05	0.2	0.3	
14 ~ 63	0.1	0.3	0.5	
63 ~ 250	0.2	0.6	1.2	
250 ~ 600	0.3	0.8	2	
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	DESIGNED	MATERIAL	FINISH
APPROVED			
CHECKED			
	Jerry Lo		DATE 2015/01/16

⊕ CRITICAL DIMENSION
◆ SPC DIMENSION

UNIT mm	SCALE -	WEIGHT	ANGLE GENERAL TOLERANCE 3rd Angle ⊕

TITLE: Dimension
DRAWING NO.(PART NO.) NPD2118-ETAW-J01
DESCRIPTION: 21.5",1600nits,FHD,PCT-usb,LID21B,AD5827,O/F,VR,WP,AOT,V01

LiteMax — LiteMax Electronic Inc.

ORIGINAL MODEL: NPD2118
SIZE A4　SHT 2-2　REV V1

Ordering Information

Part Number	Description
NPD2118-ETAW-J01	21.5",1600nits,FHD,PCT-usb(T=90%),LID21B,AD5827,O/F,VR,WP,AOT,V1

Optional Accessories

Part Number	Description
980000300010	SET,OTHER,CD for User.Menu&Touch driver(NPD series)
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
321179211801	Print,Menu,Install,NPD,2118,V0.Flush mount template,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