

NPD1968

19" IP65 Sunlight Readable Multi-Touch Marine Display

NAVPixel NPD1968, 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 NPD1968 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	NPD1968
Description	19" IP65 Sunlight Readable Multi-Touch Marine Display
Backlight	LED Backlight
Active Display Area	376.3 x 301.1mm
Brightness	1600 cd/m ²
Resolution	1280x1024(SXGA)
Contrast Ratio	1000:1
Pixel Pitch (mm)	0.294(H) x 0.294 (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)	463(W)x411.1(H)x56.9(D)
Net Weight	5.5Kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	42W
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.

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Mechanical Drawing

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

LEVEL	General	Tolerance	±	LEVEL
> 4 - 14	1	0.2	0.2	1
> 14 - 43	0.1	0.3	0.3	2
> 43 - 250	0.2	0.8	1.2	3
> 250 - 600	0.3	1.8	2	3
> 600 - 800	0.3	1.2	3	3

APPROVED	CHECKED	DESIGNED	DATE
		Jerry Lo	2015/02/05

UNIT	SCALE	VECT	AMPL	GENERAL	TOLERANCE	3-D	ASSEMBLY	DRIVING	UNIT
MM									MM

REV	ECN NO.	DESCRIPTION	SIGN	DATE

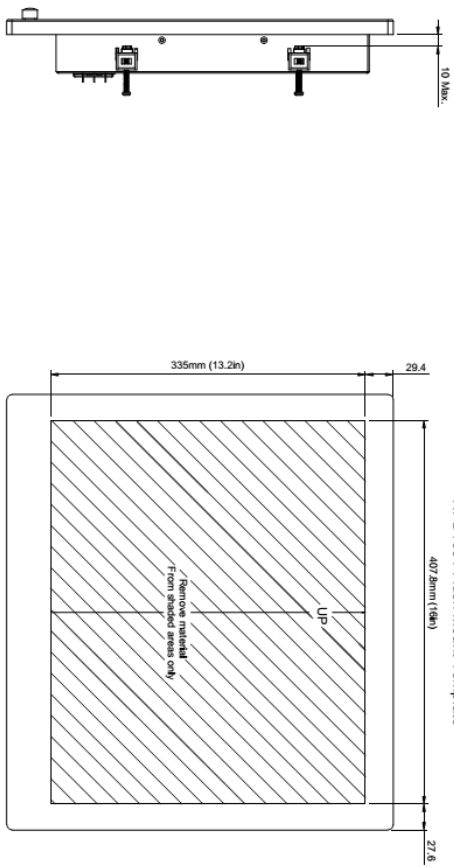
DESCRIPTION	DATE
19-18000MS.SXGA.PCT-480(T=90%)LDD19B.ADS827.C/F.VR.WP.AOT.V01	2015/02/05

LiemMax Bachonic Inc.	SIZE A4	SHEET 1-2	REV V1
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DRAWING NO:PART NO: NPD1968-ETAW-001	TITLE: Dimension
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REV	ECN NO.	DESCRIPTION	SIGN	DATE



Side View

Back View

APPROVED	CHECKED	DESIGNED	Jerry Lo
LEVEL		General tolerance	±
DIM.	1	2	3
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	0.5	1.2
> 250 - 500	0.3	0.8	2
> 500 - 1000	0.5	1.2	3
MATERIAL		SPEC DIMENSION	
FINISH		SPC DIMENSION	
Date		2015/02/05	
DRAWING NO./PART NO.		NPD1968-ETAW-001	
DESCRIPTION		19" 160001s, SXGA PCT-Lab07-900%, LUD198, ADB827 OIF, VRWMP AOT V01	
UNIT		SCALE	WEIGHT
mm		1:1	—
TITLE		Dimension	
Litemax		SIZE	SIZE
Electronic Inc.		A4	SMT
REV		2-2	
V1		V1	



Ordering Information

Part Number	Description
NPD1968-ETAW-J01	19",1600nits,SXGA,PCT-usb(T=90%),LID19B,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
321179196801	Print,Menu,Install,NPD,1968,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