NPD0835
8.4" IP68 & IP65 Sunlight Readable Marine Display

NAVPIXEL NPD0835, 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 NPD0835 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
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- IR Touch Support (front IP65 design)
- AR glass support (IP68 design)
- 9-36V DC Input

Application:
- Marine

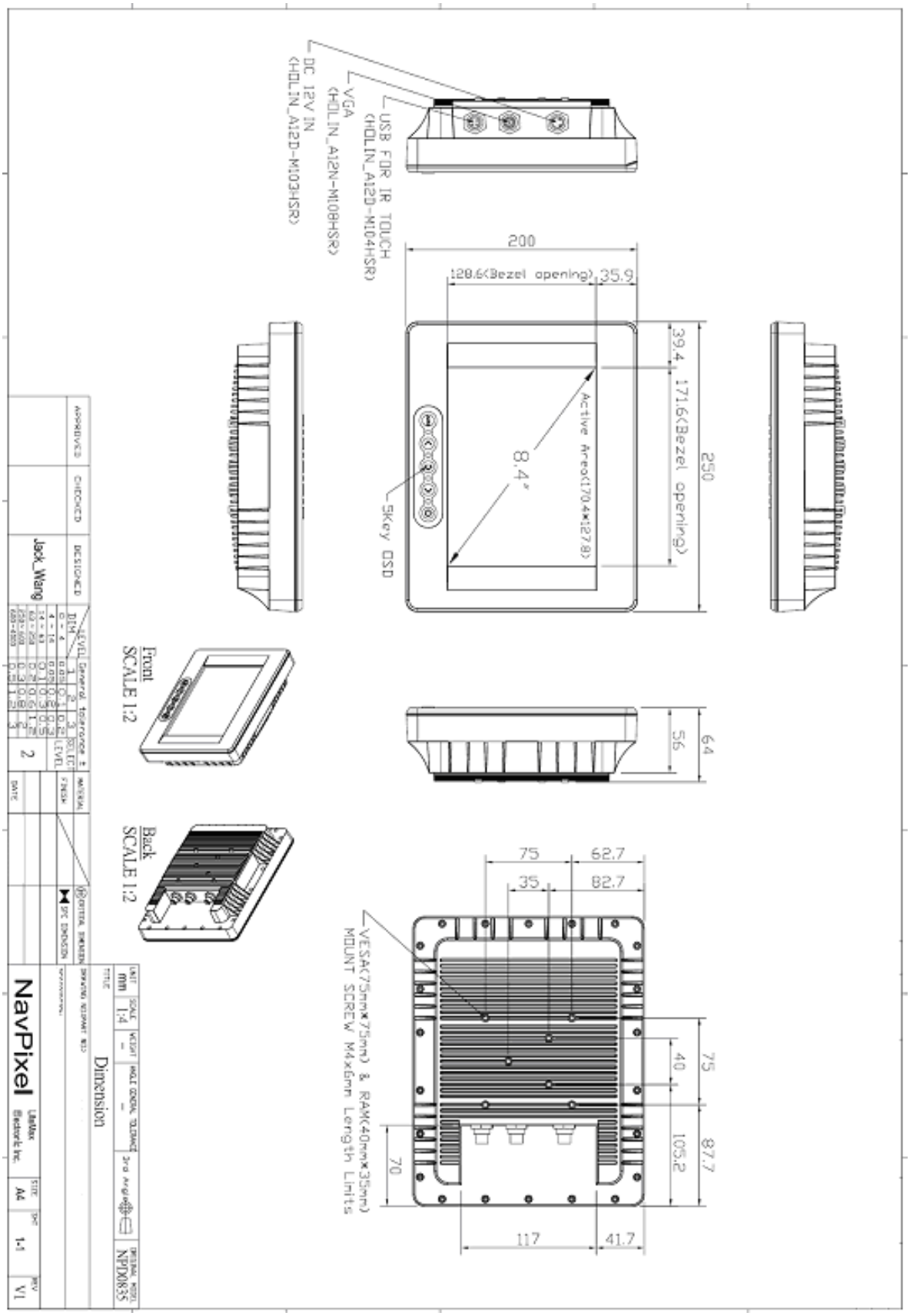
Specifications	V1
Model Number	**NPD0835**
Description	**8.4" IP68 Sunlight Readable Marine Display**
Backlight	LED Backlight
Active Display Area	170.4 x 127.8mm
Brightness	1000 cd/m^2
Resolution	800x600(SVGA)
Contrast Ratio	450:1
Pixel Pitch (mm)	0.213(H) x 0.213 (V)
Viewing Angle	130 (H), 115(V)
Display Color	16.2M
Response Time	35ms
Inputs	VGAx1
PIP Support	NA
Mechanical	
IP Rating	Waterproof IP68 & IP65 standards
Construction	Rugged Aluminum Alloy Chassis
Mounting	VESA mount
Dimension	250(W)x200(H)x64(D)
Net Weight	3Kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	9.5W
Environmental	
Operating Temperature	-20°C~60°C
Non-Operating Temperature	-30°C~75°C
Certification	CE / FCC
Marine Type Approval	BV Rule IACES-E10 certification, comply with IEC 60945

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

Mechanical Drawing

Outline Dimensions

Unit:mm



Ordering Information

Part Number	Description
NPD0835-EGAW-A21	8.4",1000nits,SVGA,LID08A05.O/F,AR Glass,AD5621G,WP,AOT.P,V02
NPD0835-ETAW-A21	8.4",1000nits,SVGA,T/IR-USB.LID08A05,O/F,AD5621G,WP.AOT,V02
NPD0835-ETAW-A23	8.4",1000nits,SVGA,Touch-usb.LID08A05,AD5621G,O/F,WP.AOT,Carton w/o logo,V02

Optional Accessories

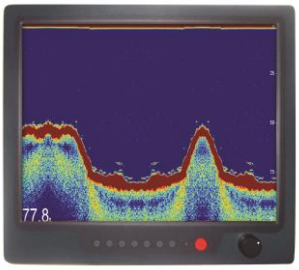
Part Number	Description
840612051103	ADAPTER,12V,5A,60W.KPA-060F,DC Plug,2.1*5.5mm.P
810118301000	CABLE,VGA,1830mm.D-SUB15P MALE TO HOLIN FEMALE.8P,WATERPROOF,P
810518301000	CABLE,OTHER,USB.USB A TYPE MALE TO HOLIN.FEMALE 4P,WATERPROOF,P
810618301000	CABLE,POWER,DC,1830mm.DC JACK TO HOLIN FEMAL 3P.WATERPROOF,P
810618301010	CABLE.POWER.AC.1830mm USA type
810618301090	CABLE,POWER,AC,1830mm Europe type
810618301050	CABLE.POWER.AC.1830mm UK type
810618301170	CABLE.POWER,AC,1830mm Australia type
810618301030	CABLE.POWER.AC.1830mm Japan type

NPD1236
12.1" IP65 Sunlight Readable Marine Display

NAVPIXEL NPD1236, 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 NPD1236 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
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- Resistive Touch Support
- IP65 Facial Waterproof
- 9-36V DC Input

Application:
- Marine



Specifications	V1
Model Number	**NPD1236**
Description	**12.1" IP65 Sunlight Readable Marine Display**
Backlight	LED Backlight
Active Display Area	245.76 x 184.32mm
Brightness	1000 cd/m^2
Resolution	1024x768(XGA)
Contrast Ratio	700:1
Pixel Pitch (mm)	0.24(H) x 0.24 (V)
Viewing Angle	140 (H), 140(V)
Display Color	262k
Response Time	23ms
Inputs	VGAx1, DVIx1, Compositex3, RS232x1, USBx1
PIP Support	NA
Mechanical	
IP Rating	Facial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (mm)	297.2(W)x256(H)x56(D)
Net Weight	2.5kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	24W
Environmental	
Operating Temperature	-20°C~60°C
Non-Operating Temperature	-20°C~70°C
Certification	CE / FCC
Marine Type Approval	BV Rule IACES-E10 certification, comply with IEC 60945

Specifications are subject to change without notice.
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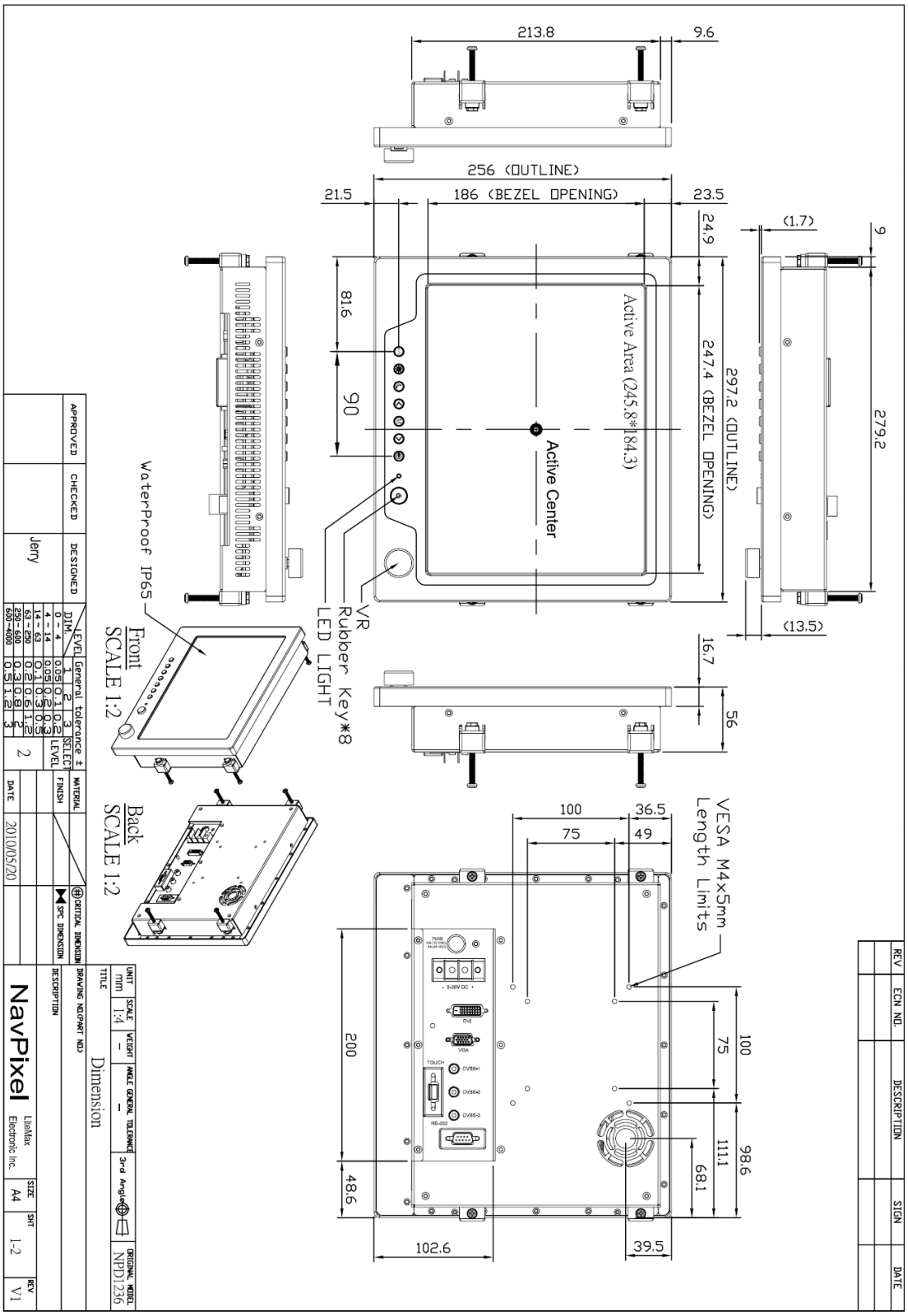
Mechanical Drawing

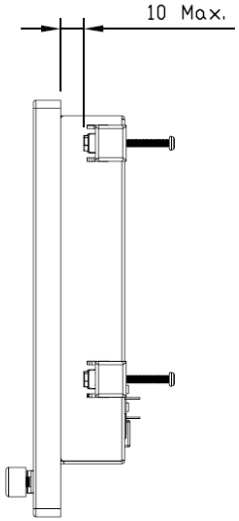
Outline Dimensions

Unit:mm

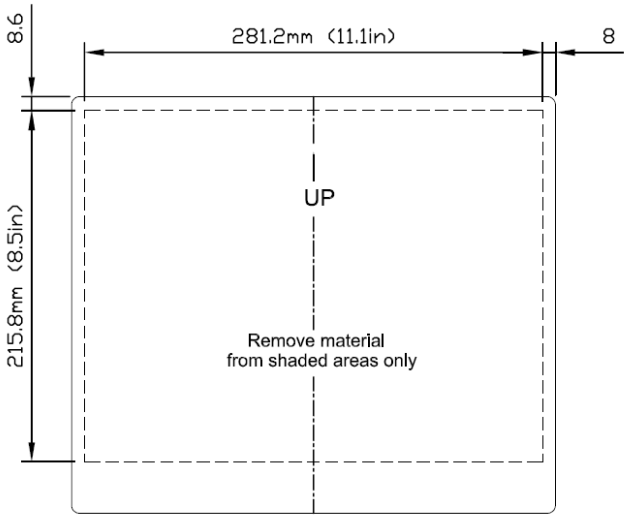


REV	ECN NO.	DESCRIPTION	SIGN	DATE

NPD1236 Flush Mount Template



Side View



Back View

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm	1:4	–	–	3rd Angle	NPD1236

TITLE: Cutout Dimension

DRAWING NO.(PART NO.)

DESCRIPTION

APPROVED	CHECKED	DESIGNED
		Jerry

DIM. \ LEVEL	General tolerance ± 1	2	3	SELECT LEVEL
0 ~ 4	0.05	0.1	0.2	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	
600 ~ 4000	0.5	1.2	3	

MATERIAL
FINISH
DATE 2010/05/20

CRITICAL DIMENSION
SPC DIMENSION

NavPixel LiteMax Electronic Inc.

SIZE	SHT	REV
A4	2-2	V1

Ordering Information

Part Number	Description
NPD1236-EGAW-G01	12",1000nits,XGA,AR glass.LID12B02,AD2662,WP,AOT,V01
NPD1236-EGAW-G011	12",1000nits,XGA,AR glass.LID12B02,AD2662,WP,AOT.with adaptor,V01
NPD1236-ETAW-G01	12", 1000nits, XGA,Touch-usb.Transparency:80%,LID12B02.AD2662,WP,AOT,V01
NPD1236-ETAW-G011	12",1000nits,XGA,Touch-usb.(Transparency:80%)LID12B02.AD2662,WP,AOT,with adaptor.V01

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
321179123601	Print,Menu,Install,NPD,1236.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

NPD1268
12.1" IP65 Sunlight Readable Multi-Touch Marine Display

NAVPIXEL NPD1268, 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 NPD1268 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
- 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	**NPD1268**
Description	**12.1" IP65 Sunlight Readable Multi-Touch Marine Display**
Backlight	LED Backlight
Active Display Area	245.76 x 184.32mm
Brightness	1600 cd/m^2
Resolution	1024x768(XGA)
Contrast Ratio	700:1
Pixel Pitch (mm)	0.24(H) x 0.24 (V)
Viewing Angle	160 (H), 160V)
Display Color	262k
Response Time	35
Inputs	VGAx1, DVIx1, Compositex3, RS232x1, USBx1
PIP Support	NA
Mechanical	
IP Rating	Facial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (mm)	316(W)x272.3(H)x56(D)
Net Weight	2.5Kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	14W
Environmental	
Operating Temperature	-20°C~60°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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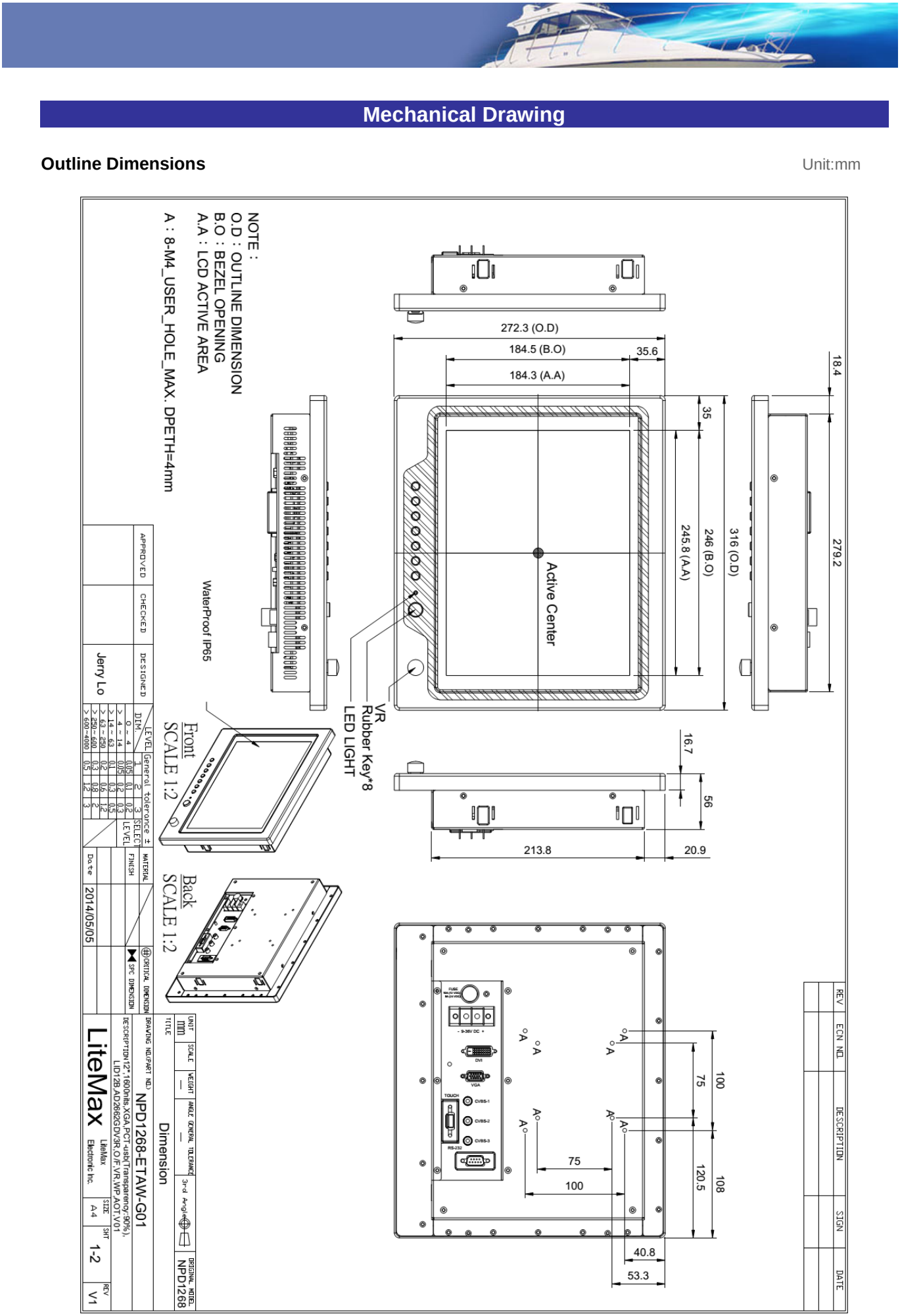
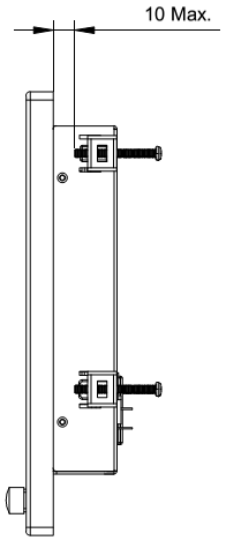


Mechanical Drawing

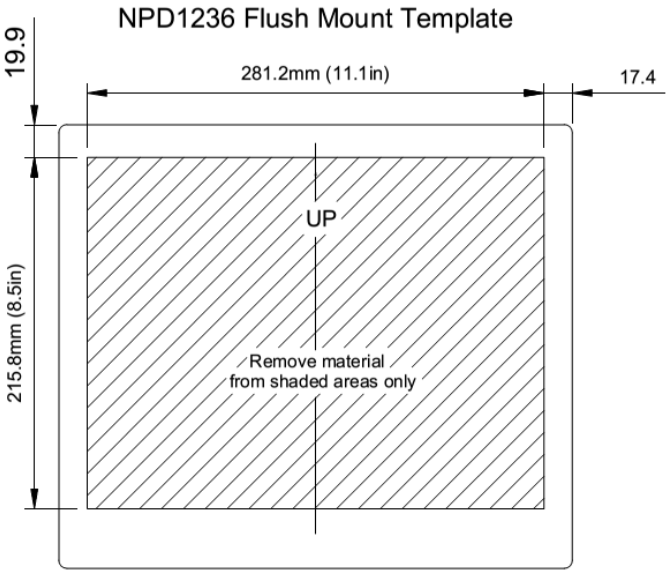
Outline Dimensions

Unit:mm

REV	ECN NO.	DESCRIPTION	SIGN	DATE



Side View



Back View

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE	3rd Angle	ORIGINAL MODEL
mm		—	—		NPD1268

TITLE: Dimension

DRAWING NO.(PART NO.): NPD1268-ETAW-G01

DESCRIPTION: 12",1600nits,XGA,PCT-usb(Transparency:90%), LID12B,AD2662GDV3R,O/F,VR,WP,AOT,V1

APPROVED	CHECKED	DESIGNED	LEVEL / DIM.	General tolerance ± 1	2	3	SELECT LEVEL
		Jerry Lo	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	
			> 600 ~ 4000	0.5	1.2	3	

MATERIAL

FINISH

Date: 2014/05/05

CRITICAL DIMENSION

SPC DIMENSION

LiteMax — LiteMax Electronic Inc.

SIZE	SHT	REV
A4	2-2	V1

Ordering Information

Part Number	Description
NPD1268-ETAW-G01	12",1600nits,XGA,PCT-usb(T=90%),LID12B,AD2662GDV3R,O/F,VR,WP,AOT,V1

Optional Accessories

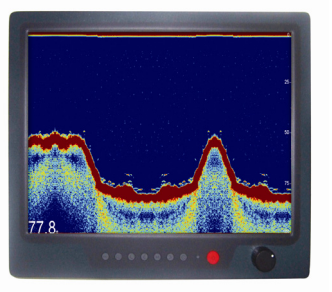
Part Number	Description
980000300010	SET,OTHER,CD for User. Menu & Touch driver(NPD series)
810650005110	CABLE,POWER,DC,5000mm,TER.MINAL TO OPEN,14AWG*2C+BRA.ID,COOL GRAY 7C PVC JACKET,P
810130001000	CABLE.VGA.3000mm.D-SUB15P MALE.BLUE TO D-SUB 15P MALE BLUE.BLACK.P
321189155501	Print,Menu,User,NPD.1555,V0,series,P
321179123601	Print,Menu,Install,NPD,1236.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

NPD1555
15" IP65 Sunlight Readable Marine Display

NAVPIXEL NPD1555, 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 NPD1555 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
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- Resistive Touch Support
- IP65 Facial Waterproof
- 9-36V DC Input

Application:
- Marine



Specifications	V1
Model Number	**NPD1555**
Description	**15" IP65 Sunlight Readable Marine Display**
Backlight	LED Backlight
Active Display Area	304.128 x 228.096mm
Brightness	1000 cd/m²
Resolution	1024x768(XGA)
Contrast Ratio	700:1
Pixel Pitch (mm)	0.297(H) x 0.297 (V)
Viewing Angle	160 (H), 160(V)
Display Color	16.2M
Response Time	25ms
Inputs	VGAx1, DVIx1, Compositex3, RS232x1, USBx1
PIP Support	NA
Mechanical	
IP Rating	Facial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (mm)	352.8(W)x303.3(H)x56.4(D)
Net Weight	3.5kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	40.8W
Environmental	
Operating Temperature	-20°C~60°C
Non-Operating Temperature	-20°C~70°C
Certification	CE / FCC
Marine Type Approval	BV Rule IACES-E10 certification, comply with IEC 60945

Specifications are subject to change without notice.
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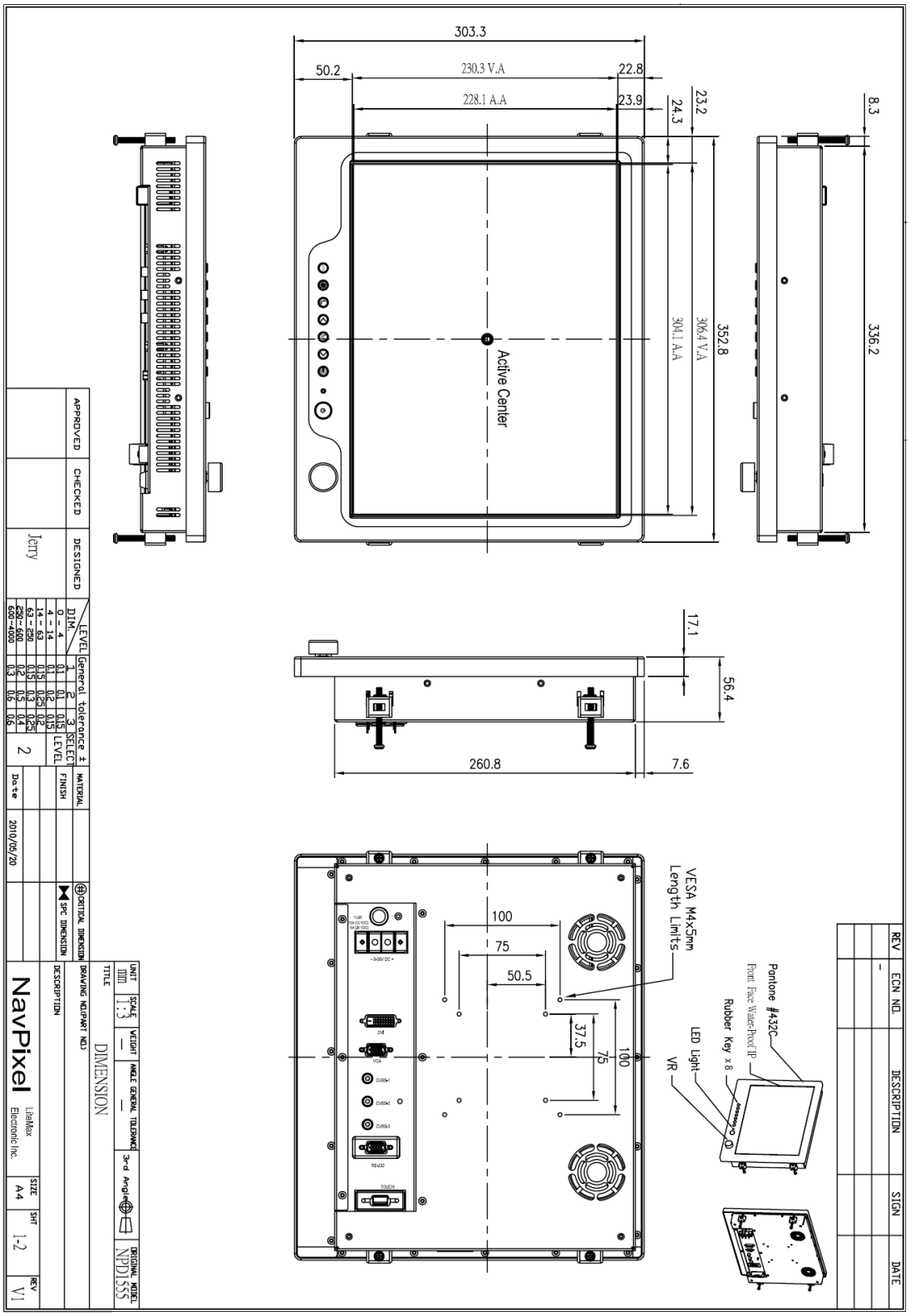
Mechanical Drawing

Outline Dimensions

Unit:mm



REV	ECN NO.	DESCRIPTION	SIGN	DATE
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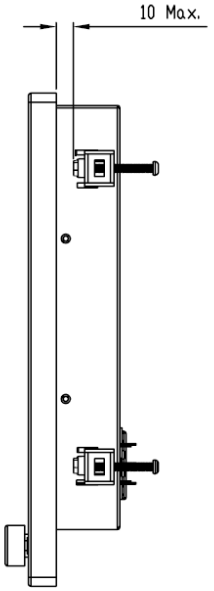
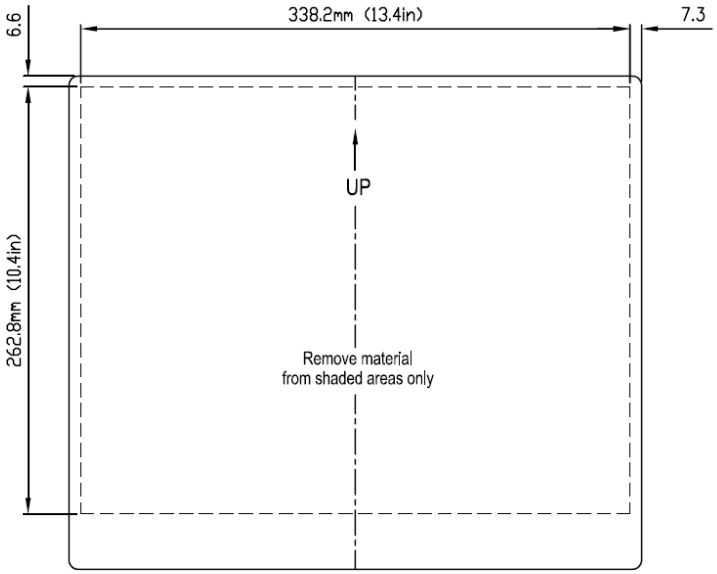
NPD1555 Flush Mount Template



Side View



Back View

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm	1:3	—	—	3rd Angle	NPD1555

TITLE: Cutout Dimension

DRAWING NO.(PART NO.)

DESCRIPTION

APPROVED	CHECKED	DESIGNED	LEVEL / DIM.	General tolerance ± 1	2	3	SELECT LEVEL
		Jerry	0 ~ 4	0.1	0.1	0.15	2
			4 ~ 14	0.1	0.2	0.15	
			14 ~ 63	0.15	0.25	0.2	
			63 ~ 250	0.15	0.3	0.25	
			250 ~ 600	0.2	0.5	0.4	
			600 ~ 4000	0.3	0.6	0.6	

MATERIAL		CRITICAL DIMENSION
FINISH		SPC DIMENSION
Date	2010/05/20	

NavPixel LiteMax Electronic Inc.

SIZE	SHT	REV
A4	2-2	V1

Ordering Information

Part Number	Description
NPD1555-EGAW-G01	15",1000nits.XGA,AR glass.LID15B01,AD2662,WP,AOT,V01
NPD1555-EGAW-G011	15",1000nits,XGA,AR glass.LID15B01,AD2662,WP,AOT.with adaptor,V01
NPD1555-ETAW-G01	15",1000nits,XGA,Touch-usb.(Transparency:80%),LID15B01.AD2662,WP,AOT,V01
NPD1555-ETAW-G011	15",1000nits,XGA,Touch-usb.(Transparency:80%),LID15B01.AD2662,WP,AOT,with adaptor.V01

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
321179155501	Print,Meun,Install,NPD,1555,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

NPD1568
15" IP65 Sunlight Readable Multi-Touch Marine Display

NAVPIXEL NPD1568, 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 NPD1568 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
- 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	**NPD1568**
Description	**15" IP65 Sunlight Readable Multi-Touch Marine Display**
Backlight	LED Backlight
Active Display Area	304.13 x 228.1mm
Brightness	1600 cd/m^2
Resolution	1024x768(XGA)
Contrast Ratio	700:1
Pixel Pitch (mm)	0.297(H) x 0.297 (V)
Viewing Angle	160 (H), 160(V)
Display Color	16.7M
Response Time	8ms
Inputs	VGAx1, DVIx1, Compositex3, RS232x1, USBx1
PIP Support	NA
Mechanical	
IP Rating	Facial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (mm)	389.4(W) x 331(H) x 57.1(D)
Net Weight	4.1Kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	23W
Environmental	
Operating Temperature	-20°C~60°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

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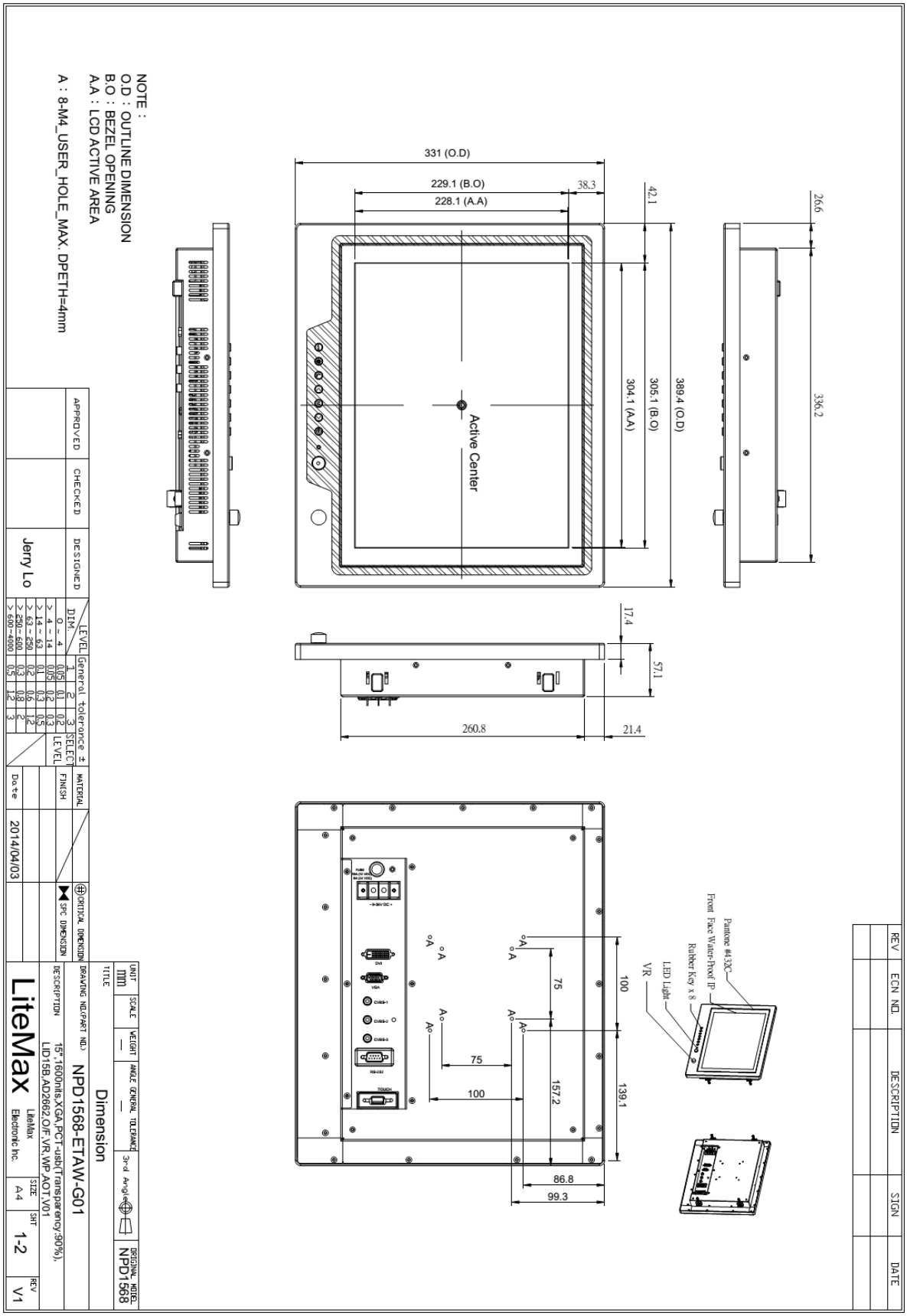
Mechanical Drawing

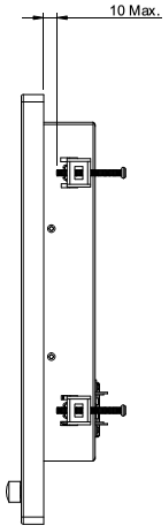
Outline Dimensions

Unit:mm

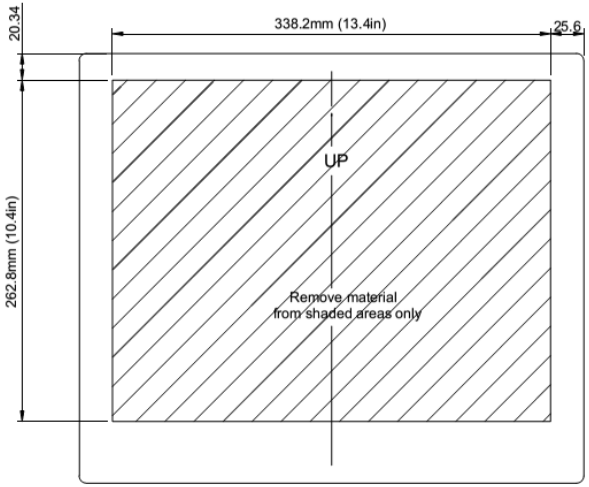


REV	ECN NO.	DESCRIPTION	SIGN	DATE

NPD1568 Flush Mount Template



Side View



Back View

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm		—	—	3rd Angle	NPD1568

TITLE: Dimension

DRAWING NO.(PART NO.): NPD1568-ETAW-G01

DESCRIPTION: 15",1600nits,XGA,PCT-usb(Transparency:90%), LID15B,AD2662,O/F,VR,WP,AOT,V01

APPROVED	CHECKED	DESIGNED	LEVEL / DIM.	General tolerance ± 1	2	3	SELECT LEVEL
		Jerry Lo	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	
			> 600 ~ 4000	0.5	1.2	3	

MATERIAL
FINISH
Date 2014/04/03

CRITICAL DIMENSION
SPC DIMENSION

LiteMax — LiteMax Electronic Inc.

SIZE	SHT	REV
A4	2-2	V1

Ordering Information

Part Number	Description
NPD1568-ETAW-G01	15",1600nits,XGA,PCT-usb(Transparency:90%),LID15B,AD2662GDV3R,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
321189156801	Print,Menu,User,NPD.1568,V0,series,P
321179156801	Print,Meun,Install,NPD,1568,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

NPD1569
15.6" FHD IP65 Sunlight Readable Multi-Touch Marine Display

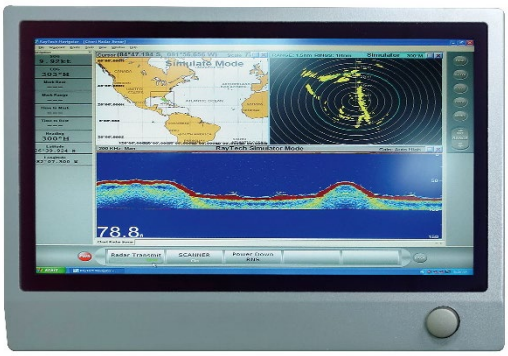
NAVPIXEL NPD1569, the high-performance, rugged touch monitor, is specially engineered to survive from the most demanding working environment. Housed in a milled billet aluminum case, the slim-profile NAVPIXEL NPD1569 is light weight and watertight. The front-mounted sunlight readable touch screen makes 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:

- 1800 nits Sunlight Readable LCD
- Long Life, Low Power Consumption LED Backlight
- Rotary and push knob (OSD MENU)
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- Projected Capacitive Multi-Touch Support
- Full Flat Design
- IP65 Facial Waterproof
- Isolation Power 9-36V DC Input

Application:

- Marine

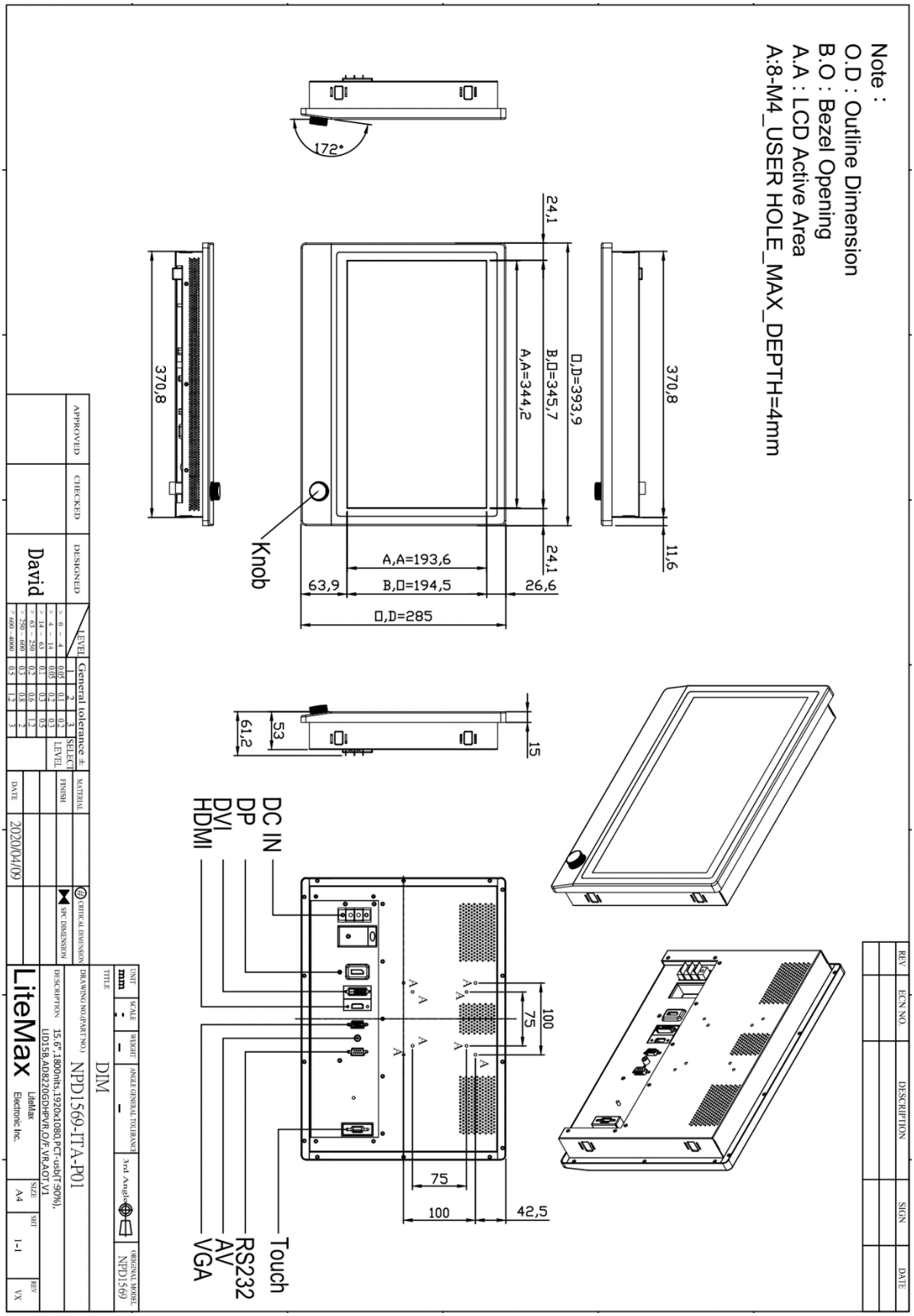


Specifications	V1
Model Number	**NPD1569**
Description	**15.6" FHD IP65 Sunlight Readable Multi-Touch Marine Display**
Backlight	LED Backlight
Active Display Area	344.16 x 193.59mm
Brightness	1800 cd/m^2
Resolution	1920x1080 (FHD)
Aspect ratio	16 : 9
Contrast Ratio	1200:1
Pixel Pitch (mm)	0.17925(H) x 0.17925(V)
Pixel per inch (PPI)	141
Viewing Angle	170°(H),170°(V)
Display Color	16.2M
Response Time	25ms
Inputs	VGAx1, DVI-Dx1, HDMIx1, DPx1, Compositex1, RS232x1, USBx1
Mechanical	
IP Rating	Facial waterproof to IP65 standards when console mounted.
Construction	Rugged SPCC Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (mm)	393.9(W)x285(H)x61.2(D)
Net Weight	5.2Kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	32W
Environmental	
Operating Temperature	-30°C~80°C
Non-Operating Temperature	-30°C~85°C
Certification	Designed to meet CE / FCC Class A
Marine Type Approval	

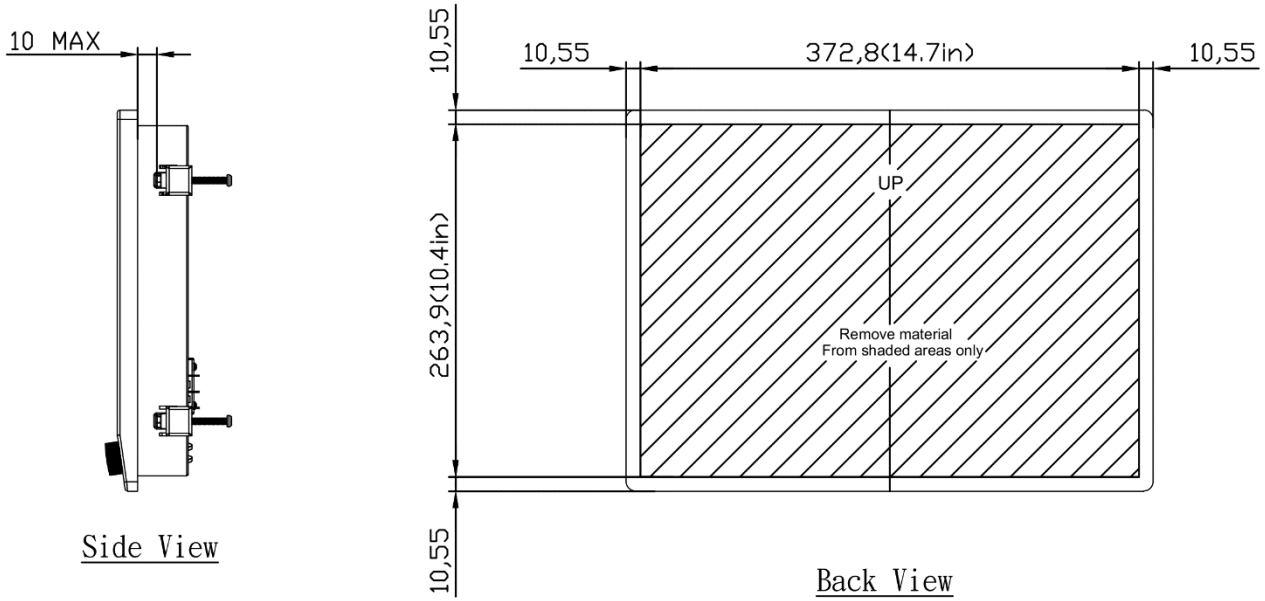
Specifications are subject to change without notice.
All brands or product names are trademarks or registered trademarks of their respective companies.

Outline Dimensions

Unit:mm



REV	ECN NO.	DESCRIPTION	SIGN	DATE



UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm	-	–	–	3rd Angle	NPD1569

TITLE: DIM

DRAWING NO.(PART NO.): NPD1569-ITA-P01

DESCRIPTION: 15.6",1800nits,1920x1080,PCT-usb(T:90%), LID15B,AD8220GDHPVR,O/F,VR,AOT,V1

LiteMax — LiteMax Electronic Inc.

SIZE	SHT	REV
A4	1-1	VX

APPROVED	CHECKED	DESIGNED
		David

LEVEL	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	0.6	1.2
> 250 ~ 600	0.3	0.8	2
> 600 ~ 4000	0.5	1.2	3

General tolerance ±; SELECT LEVEL

MATERIAL		CRITICAL DIMENSION
FINISH		SPC DIMENSION
DATE	2020/04/09	

2020/8/31

Ordering Information

Part Number	Description
NPD1569-ITA-P01	15.6",1800nits,1920x1080,PCT-usb(T:90%),LID15B,AD8220GDHPVR,O/F,VR,AOT,V1

Optional Accessories

Part Number	Description
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

NPD1744
17" IP65 Sunlight Readable Marine Display

NAVPIXEL NPD1744, 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 NPD1744 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

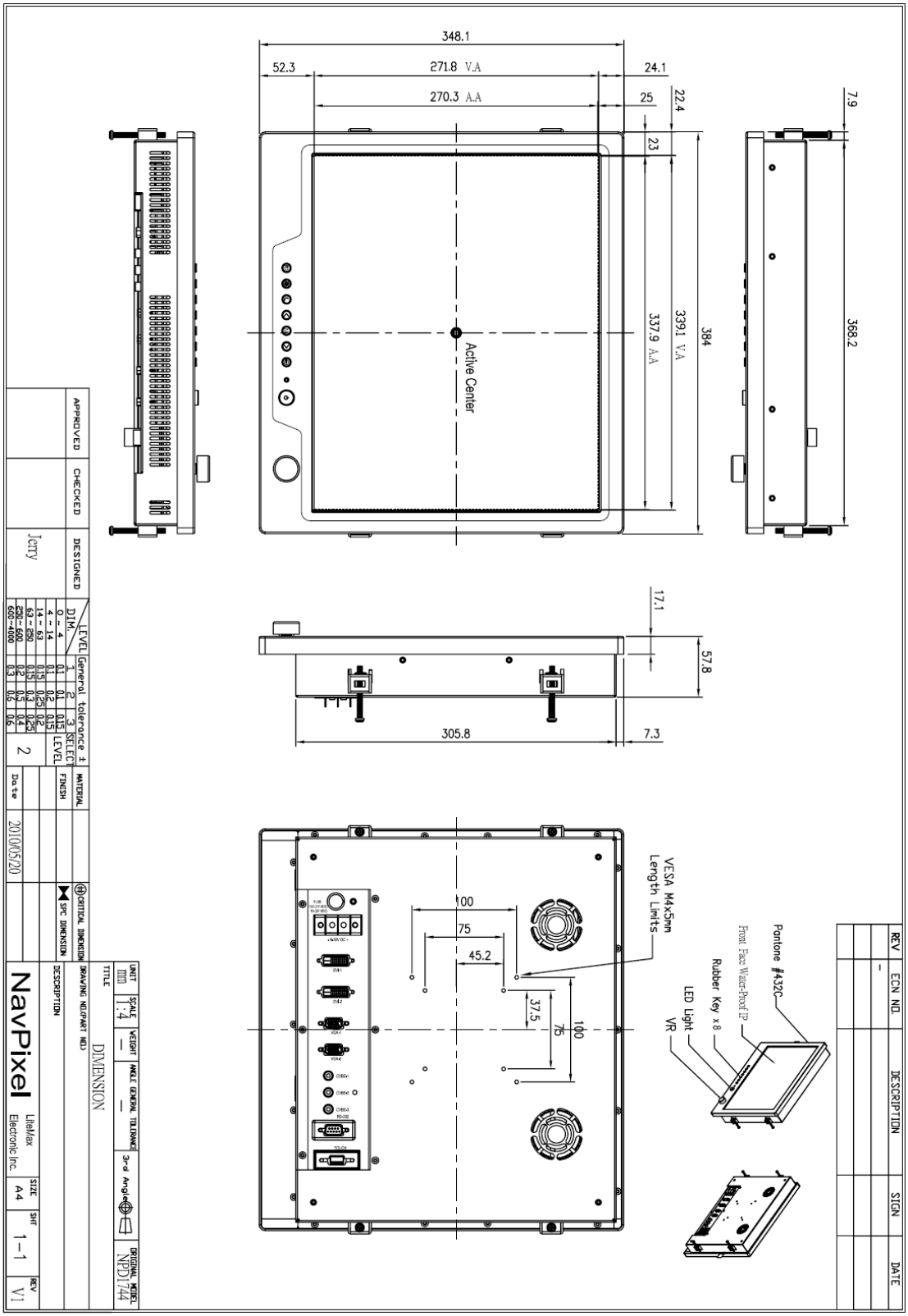
Specifications	V1
Model Number	**NPD1744**
LCD Display	
Backlight	17" LED Backlight
Active Display Area	337.92 x 270.33m
Brightness	1000 cd/m^2
Resolution	1280x1024(SXGA)
Contrast Ratio	800:1
Pixel Pitch (mm)	0.264(H) x 0.264 (V)
Viewing Angle	160 (H), 160(V)
Display Color	16.7M
Response Time	5ms
Inputs	VGAx2, DVIx2, Compositex3, RS232x1, USBx1
PIP Support	3 Stages (child, split & wide screen)
Mechanical	
IP Rating	Fascial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (mm)	384(W)x348.1(H)x57.8(D)
Net Weight	4.5kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	50W
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	Marine BV certification, comply with IACS-E10 & IEC 60945

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

Mechanical Drawing

Outline Dimensions

Unit:mm



REV	ECN NO.	DESCRIPTION	SIGN	DATE
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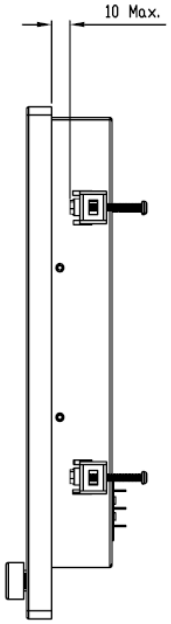
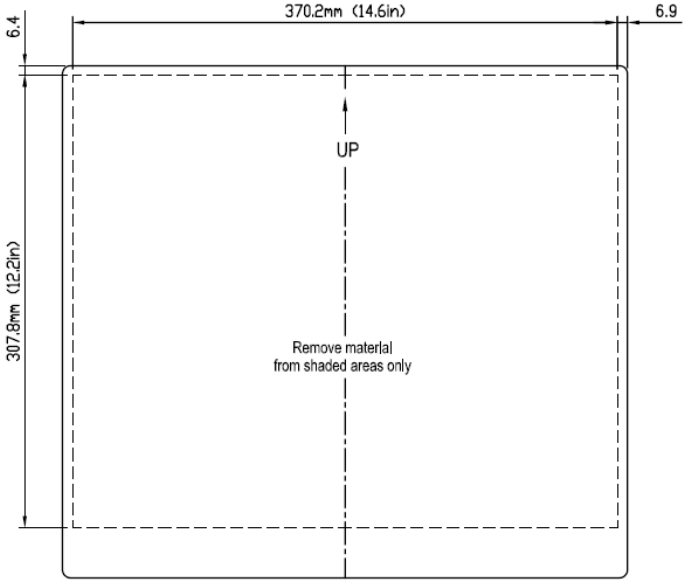


Side View

NPD1744 Flush Mount Template



Back View

APPROVED	CHECKED	DESIGNED
		Jerry

DIM. \ LEVEL	General tolerance ± 1	2	3	SELECT LEVEL
0 ~ 4	0.1	0.1	0.15	2
4 ~ 14	0.1	0.2	0.15	
14 ~ 63	0.15	0.25	0.2	
63 ~ 250	0.15	0.3	0.25	
250 ~ 600	0.2	0.5	0.4	
600 ~ 4000	0.3	0.6	0.6	

MATERIAL		CRITICAL DIMENSION
FINISH		SPC DIMENSION
Date	2010/05/20	

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm	1:4	—	—	3rd Angle	NPD1744

TITLE: Cutout Dimension

DRAWING NO.(PART NO.)

DESCRIPTION

NavPixel	LiteMax Electronic Inc.	SIZE	SHT	REV
		A4	2-2	V1

Ordering Information

Part Number	Description
NPD1744-EGAW-J01	17",1000nits,SXGA,AR glass.LID17B01,AD5827,WP,AOT,V01
NPD1744-EGAW-J011	17",1000nits,SXGA,AR glass.LID17B01,AD5827,WP,AOT.with adaptor,V01
NPD1744-ETAW-J01	17" ,1000nits, SXGA,Touch-usb.Transparency:80,LID17B01.AD5827,WP,AOT,V01
NPD1744-ETAW-J011	17",1000nits,SXGA,Touch-usb.(Transparency:80%),LID17B01.AD5827,WP,AOT,with adaptor.V01

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
321179174401	Print,Menu,Install,NPD,1744,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

NPD1768
17" IP65 Sunlight Readable Multi-Touch Marine Display

NAVPIXEL NPD1768, 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 NPD1768 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

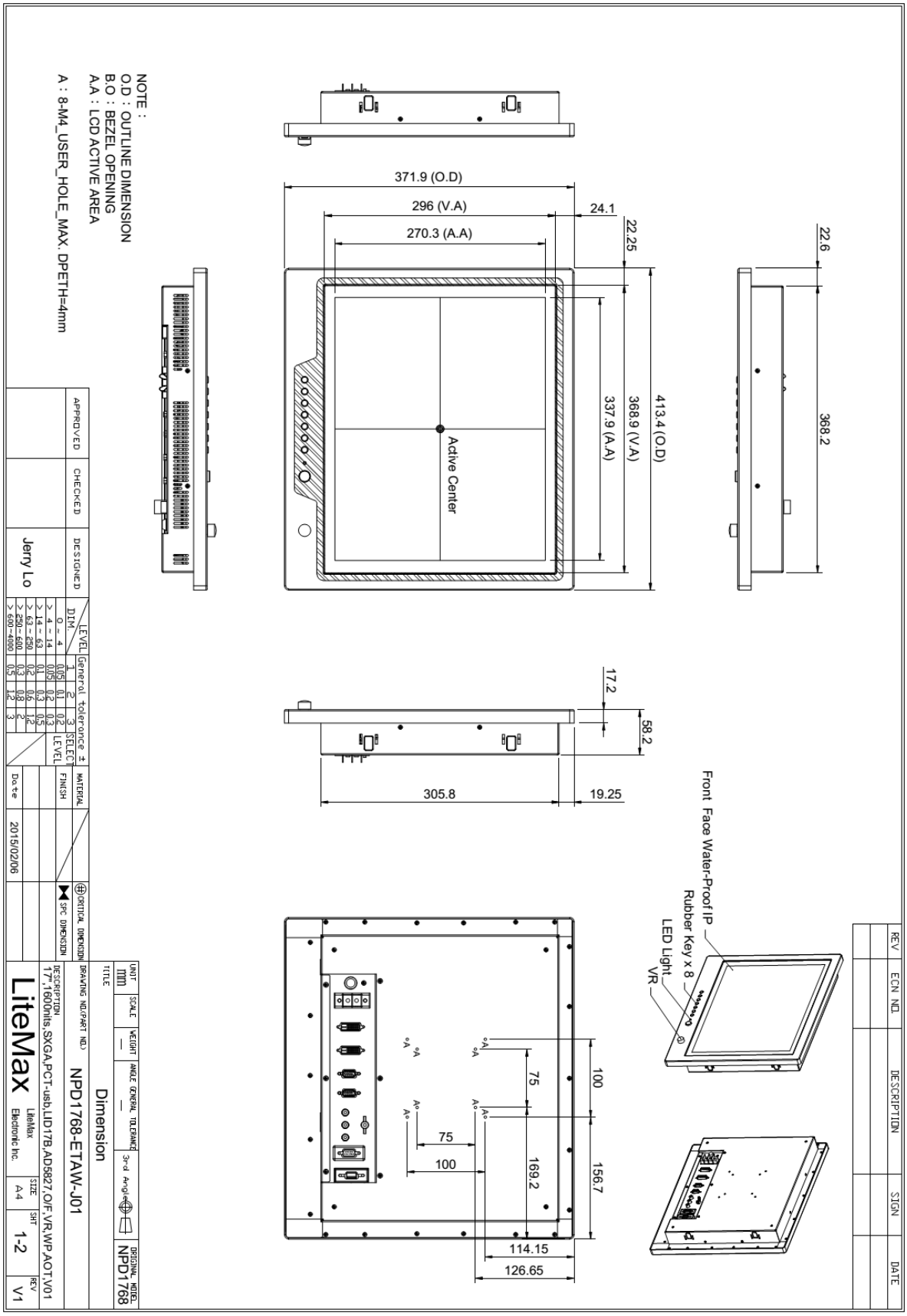
Specifications	V1
Model Number	**NPD1768**
Description	**17" IP65 Sunlight Readable Multi-Touch Marine Display**
Backlight	LED Backlight
Active Display Area	337.9 x 270.3m
Brightness	1600 cd/m^2
Resolution	1280x1024(SXGA)
Contrast Ratio	1000:1
Pixel Pitch (mm)	0.264(H) x 0.264 (V)
Viewing Angle	160 (H), 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	Fascial waterproof to IP65 standards when console mounted.
Construction	Rugged Aluminum Alloy Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (mm)	413.4(W) x 371.9(H) x 58.2(D)
Net Weight	4.8kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	38W
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.

Mechanical Drawing

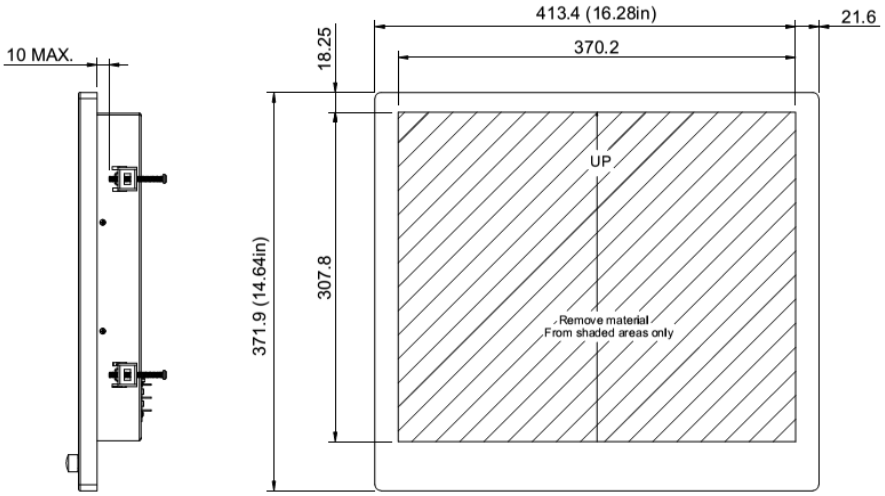
Outline Dimensions

Unit:mm



REV	ECN NO.	DESCRIPTION	SIGN	DATE

NPD1768 Flush Mount Template



Side View

Back View

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm		—	—	3rd Angle	NPD1768

TITLE: Dimension

DRAWING NO.(PART NO.): NPD1768-ETAW-J01

DESCRIPTION: 17",1600nits,SXGA,PCT-usb,LID17B,AD5827,O/F,VR,WP,AOT,V01

APPROVED	CHECKED	DESIGNED	LEVEL / DIM.	General tolerance ± 1	2	3	SELECT LEVEL	MATERIAL		CRITICAL DIMENSION
		Jerry Lo	0 ~ 4	0.05	0.1	0.2		FINISH		SPC DIMENSION
			> 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		Date	2015/02/06	
			> 600~4000	0.5	1.2	3				

LiteMax — LiteMax Electronic Inc. | SIZE A4 | SHT 2-2 | REV V1

Ordering Information

Part Number	Description
NPD1768-ETAW-J01	17",1600nits,SXGA,PCT-usb(T=90%),LID17B,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
321179176801	Print,Menu,Install,NPD,1768,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

NPD1954
19" IP65 Sunlight Readable Marine Display

NAVPIXEL NPD1954, 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 NPD1954 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

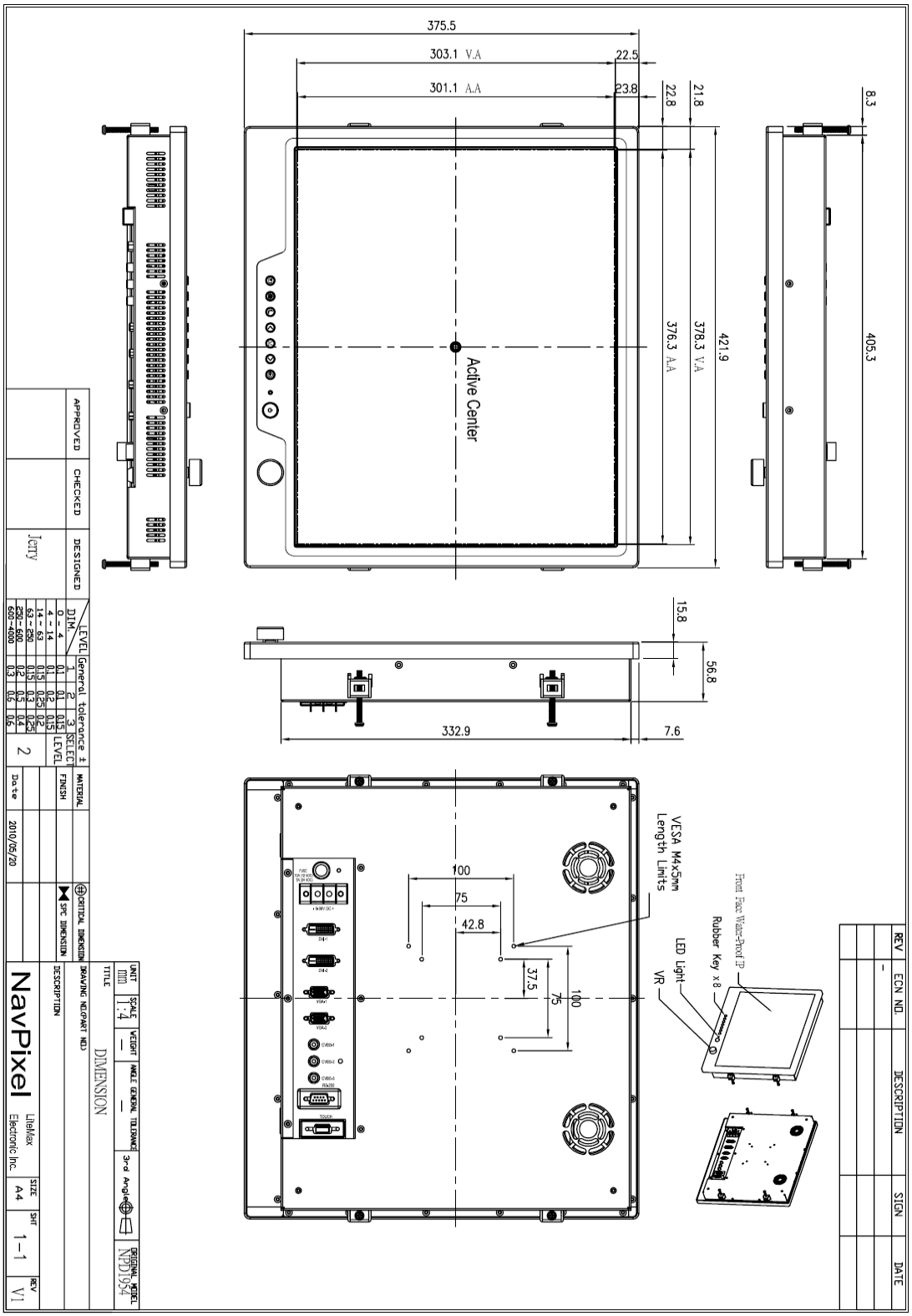
Specifications	V1
Model Number	**NPD1954**
Description	**19" IP65 Sunlight Readable Marine Display**
Backlight	LED Backlight
Active Display Area	376.32 x 301.06mm
Brightness	1000 cd/m^2
Resolution	1280x1024(SXGA)
Contrast Ratio	1000:1
Pixel Pitch (mm)	0.294(H) x 0.294 (V)
Viewing Angle	170 (H), 160(V)
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)	421.9(W)x375.5(H)x56.8(D)
Net Weight	5.5kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	55W
Environmental	
Operating Temperature	-10°C~50°C
Non-Operating Temperature	-20°C~70°C
Certification	CE / FCC
Marine Type Approval	BV Rule IACES-E10 certification, comply with IEC 60945

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

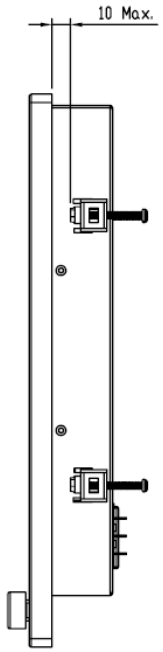
Mechanical Drawing

Outline Dimensions

Unit:mm

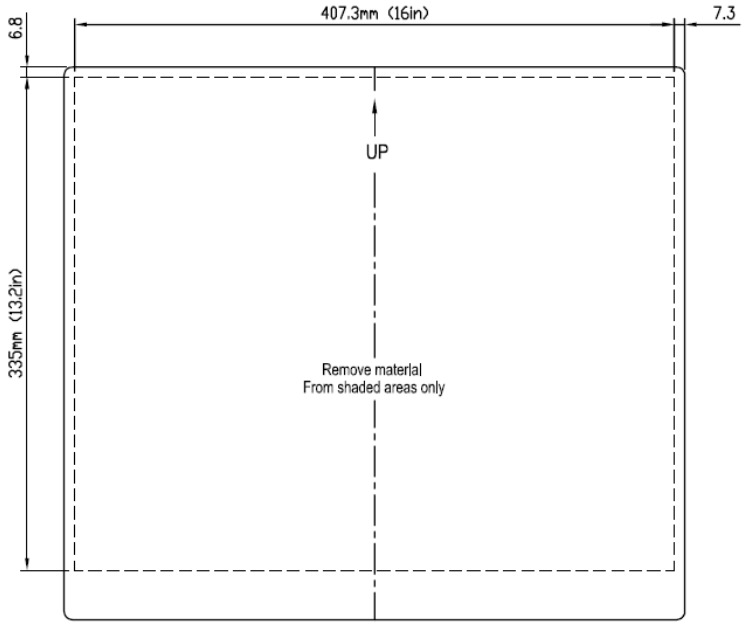


REV	ECN NO.	DESCRIPTION	SIGN	DATE
	–			



Side View

NPD1954 Flush Mount Template



Back View

APPROVED	CHECKED	DESIGNED
		Jerry

DIM. \ LEVEL	General tolerance ± 1	2	3	SELECT LEVEL
0 ~ 4	0.1	0.1	0.15	2
4 ~ 14	0.1	0.2	0.15	
14 ~ 63	0.15	0.25	0.2	
63 ~ 250	0.15	0.3	0.25	
250 ~ 600	0.2	0.5	0.4	
600 ~ 4000	0.3	0.6	0.6	

MATERIAL		CRITICAL DIMENSION
FINISH		SPC DIMENSION
Date	2010/05/20	

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm	1:6	—	—	3rd Angle	NPD1954

TITLE: Cutout Dimension

DRAWING NO.(PART NO.)

DESCRIPTION

NavPixel	LiteMax Electronic Inc.	SIZE	SHT	REV
		A4	2-2	V1

Ordering Information

Part Number	Description
NPD1954-EGAW-J01	19",1000nits,SXGA,AR glass.LID19B02,AD5827,WP,AOT,V01
NPD1954-EGAW-J011	19",1000nits,SXGA,AR glass.LID19B02,AD5827,WP,AOT.with adaptor,V01
NPD1954-ETAW-J01	19",1000nits,SXGA,Touch-usb.(Transparency:80%),LID19B02.AD5827,WP,AOT,V01
NPD1954-ETAW-J011	19",1000nits,SXGA,Touch-usb.(Transparency:80%),LID19B02.AD5827,WP,AOT,with adaptor.V01

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
321179195401	Print,Menu,Install,NPD,1954,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

NPD2115
21.5" IP65 Sunlight Readable Marine Display

NAVPIXEL NPD2115, 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 NPD2115 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

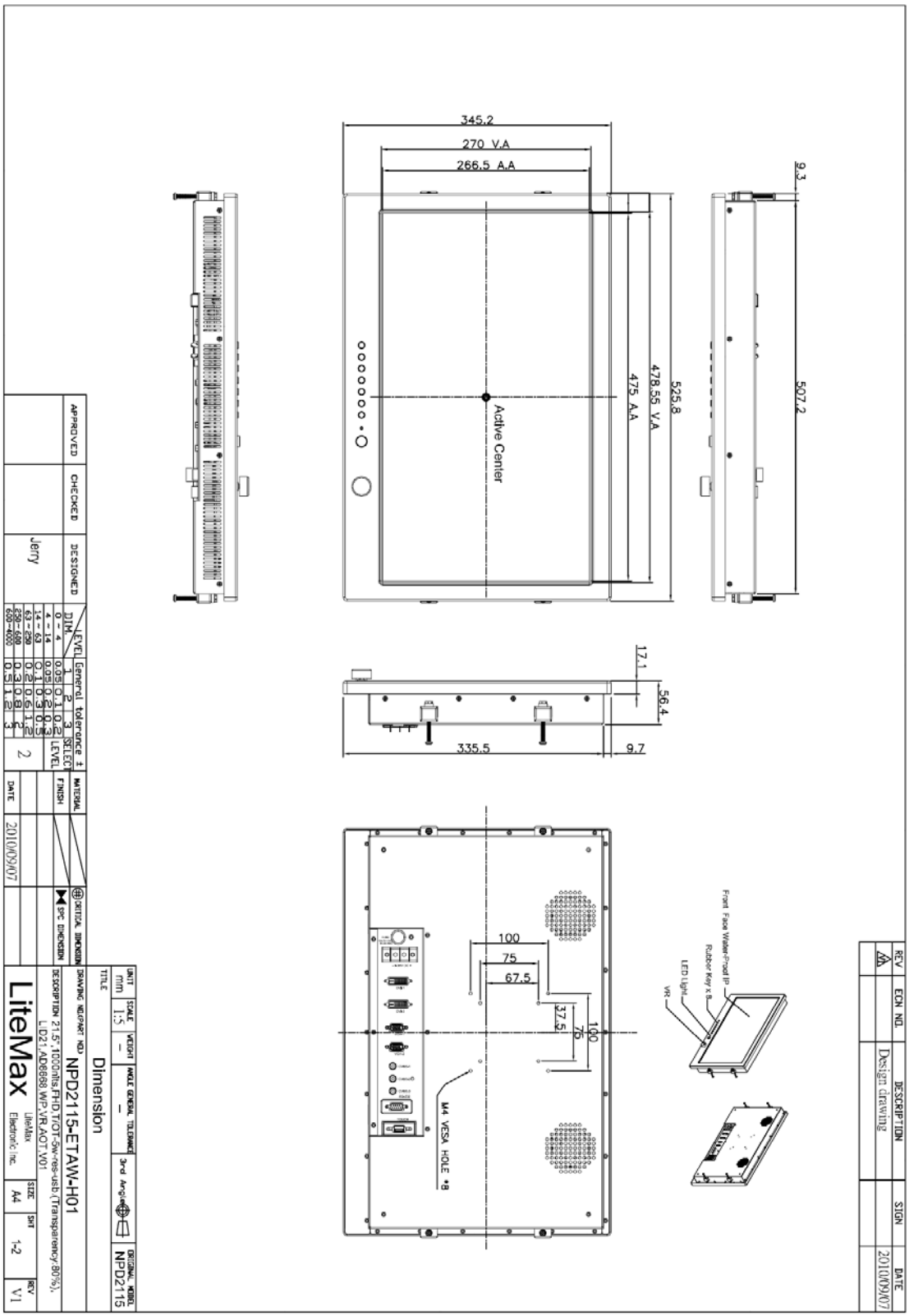
Specifications	V1
Model Number	**NPD2115**
Description	**21'5" IP65 Sunlight Readable Marine Display**
Backlight	LED Backlight
Active Display Area	476.64 x 268.11mm
Brightness	1000 cd/m²
Resolution	1920x1080 (FHD)
Contrast Ratio	1000:1
Pixel Pitch (mm)	0.248(H) x 0.248 (V)
Viewing Angle	170 (H), 160(V)
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)	525.8(W)x345.2(H)x56.4(D)
Net Weight	7.87kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	26W
Environmental	
Operating Temperature	-10°C~50°C
Non-Operating Temperature	-20°C~70°C
Certification	CE / FCC
Marine Type Approval	BV Rule IACES-E10 certification, comply with IEC 60945

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

Mechanical Drawing

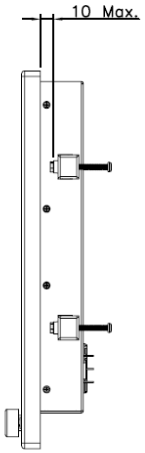
Outline Dimensions

Unit:mm

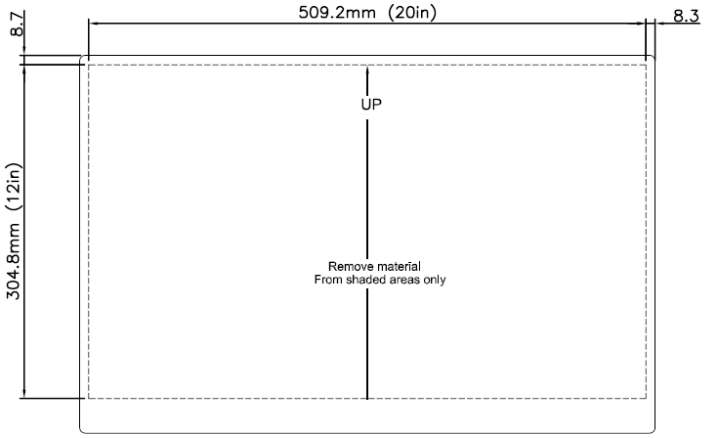


REV	ECN NO.	DESCRIPTION	SIGN	DATE
A		Design drawing		2010/09/07

NPD2115 Flush Mount Template



Side View



Back View

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm	1:5	–	–	3rd Angle	NPD2115

TITLE: Cutout Dimension

DRAWING NO.(PART NO.): NPD2115-ETAW-H01

DESCRIPTION: 21.5",1000nits,FHD,T/OT-5w-res-usb.(Transparency:80%), LID21,AD8668,WP,VR,AOT,V01

LiteMax — LiteMax Electronic Inc.

SIZE	SHT	REV
A4	2-2	V1

APPROVED	CHECKED	DESIGNED
		Jerry

DIM. \ LEVEL	General tolerance ± 1	2	3	SELECT LEVEL
0 ~ 4	0.05	0.1	0.2	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	
600 ~ 4000	0.5	1.2	3	

MATERIAL	
FINISH	
DATE	2010/09/07

CRITICAL DIMENSION

SPC DIMENSION

Ordering Information

Part Number	Description
NPD2115-EGAW-H01	21.5",1000nits,FHD,AR Glass,LID21,AD8668,WP,VR,AOT,V01
NPD2115-EGAW-H011	21.5",1000nits,FHD,AR Glass,LID21,AD8668,WP,VR,AOT,with adaptor,V01
NPD2115-ETAW-H01	21.5",1000nits,FHD,T/OT-5w-res-usb.(Transparency:80%),LID21.AD8668,WP,VR,AOT,V01
NPD2115-ETAW-H011	21.5",1000nits,FHD,T/OT-5w-res-usb.(Transparency:80%),LID21.AD8668,WP,VR,AOT,with adaptor,V01

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
321179211501	Print,Menu,Install,NPD,2115,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

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:

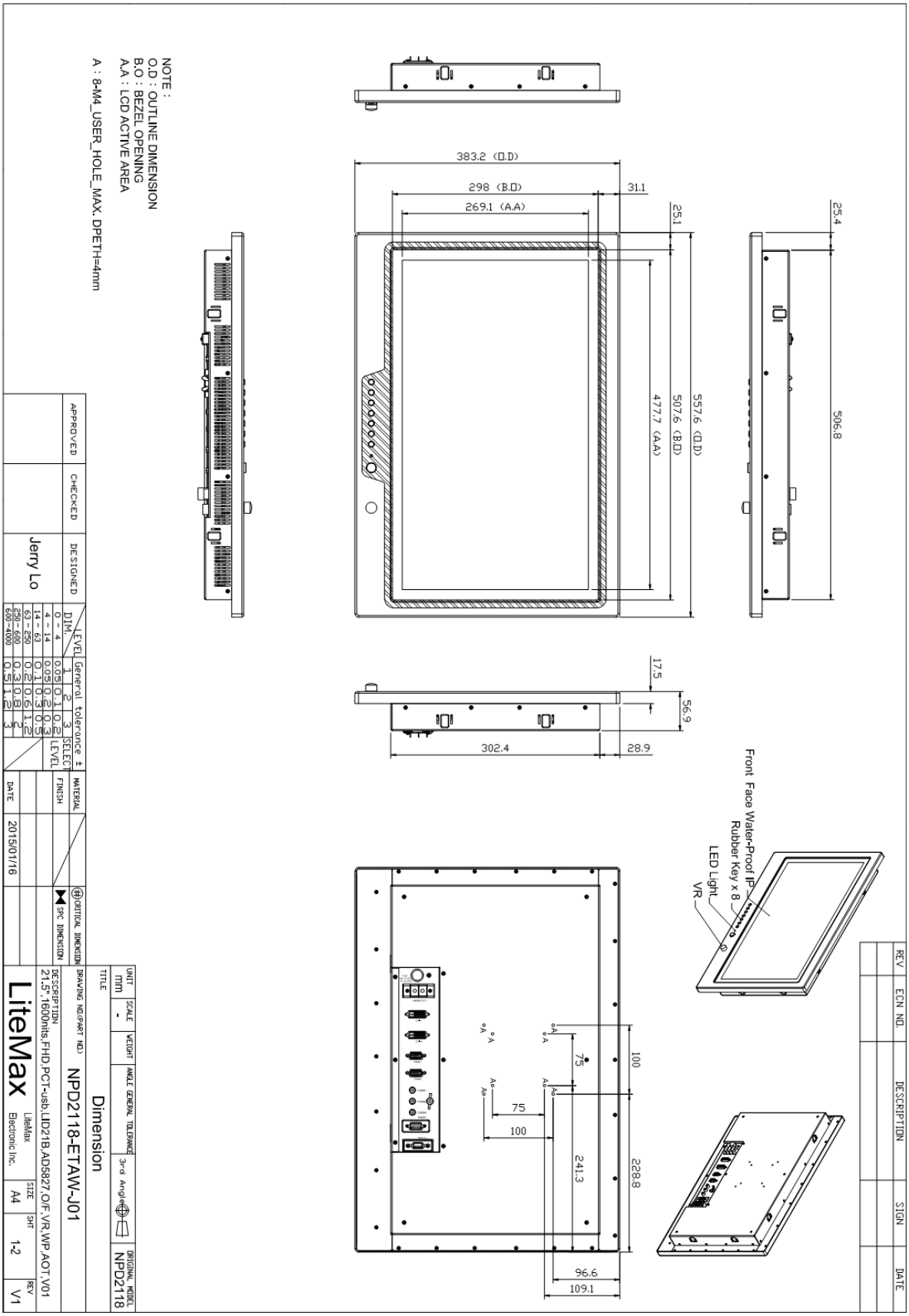
- Marine

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/m^2
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.

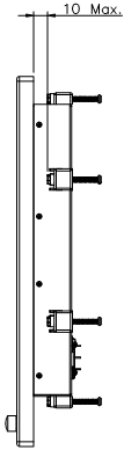
Outline Dimensions

Unit:mm

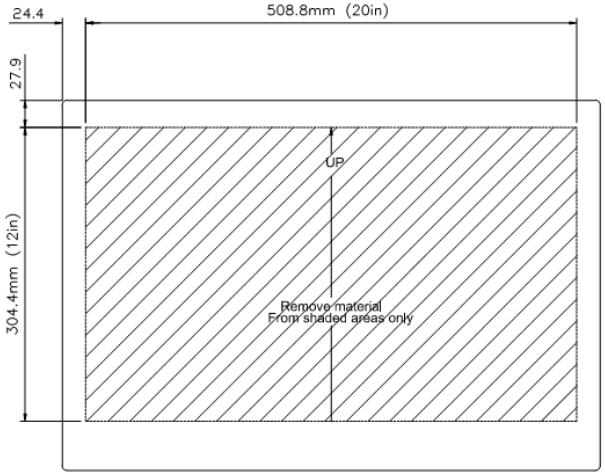


REV	ECN NO.	DESCRIPTION	SIGN	DATE

NPD2118 Flush Mount Template



Side View



Back View

APPROVED	CHECKED	DESIGNED
		Jerry Lo

DIM. \ LEVEL	General tolerance ± 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	
600 ~ 4000	0.5	1.2	3	

MATERIAL		CRITICAL DIMENSION
FINISH		SPC DIMENSION
DATE	2015/01/16	

UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm	-			3rd Angle	NPD2118

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.

SIZE	SHT	REV
A4	2-2	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

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

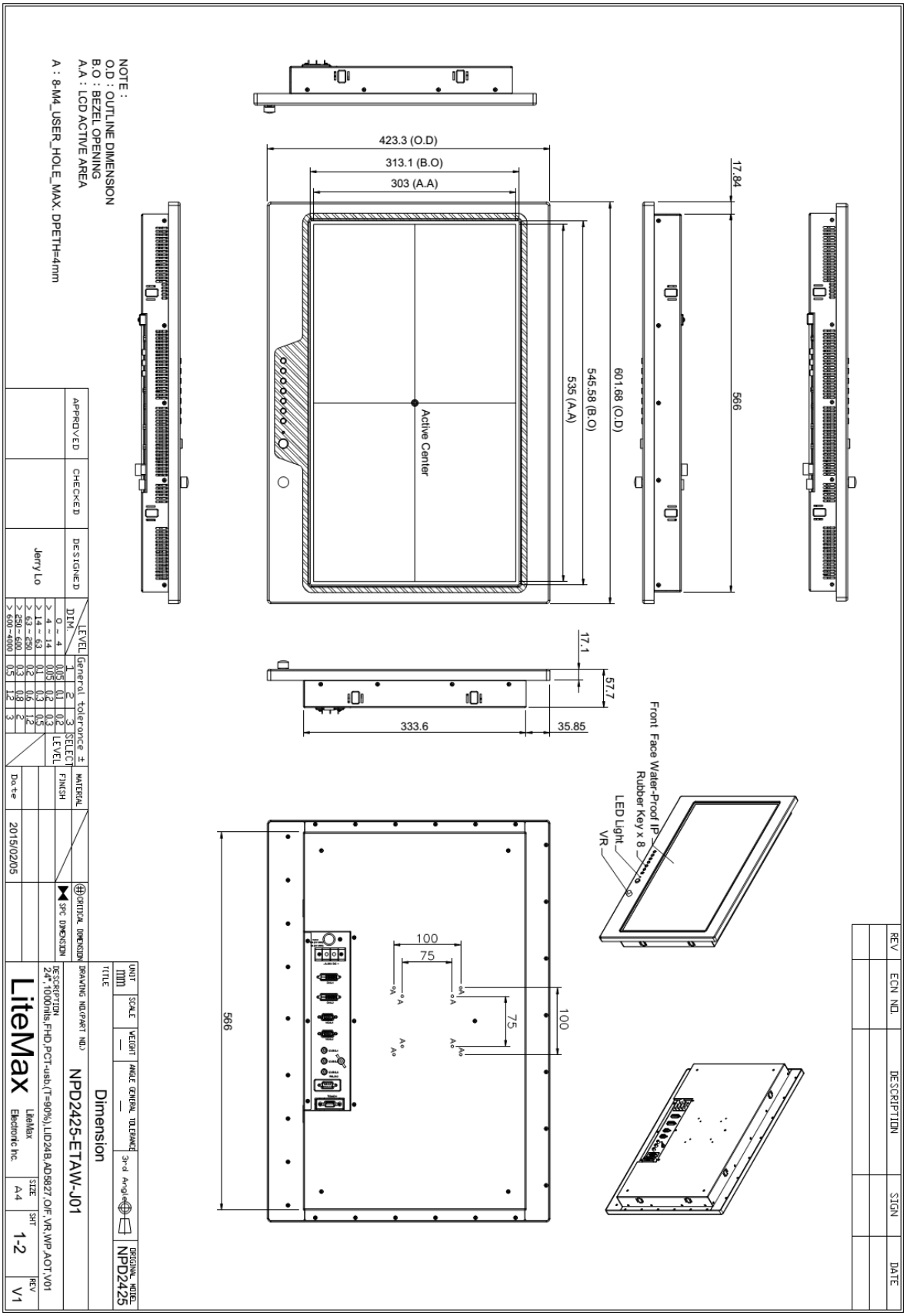
Specifications	V1
Model Number	**NPD2425**
Description	**24" FHD IP65 Sunlight Readable Multi-Touch Marine Display**
Backlight	LED Backlight
Active Display Area	531.36 x 298.89mm
Brightness	1000 cd/m^2
Resolution	1920x1080 (FHD)
Contrast Ratio	3000:1
Pixel Pitch (mm)	0.276(H) x 0.276 (V)
Viewing Angle	178 (H), 178(V)
Display Color	16.7M
Response Time	25ms
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)	601.68(W)x423.3(H)x57.7(D)
Net Weight	7.8Kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	50W
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.

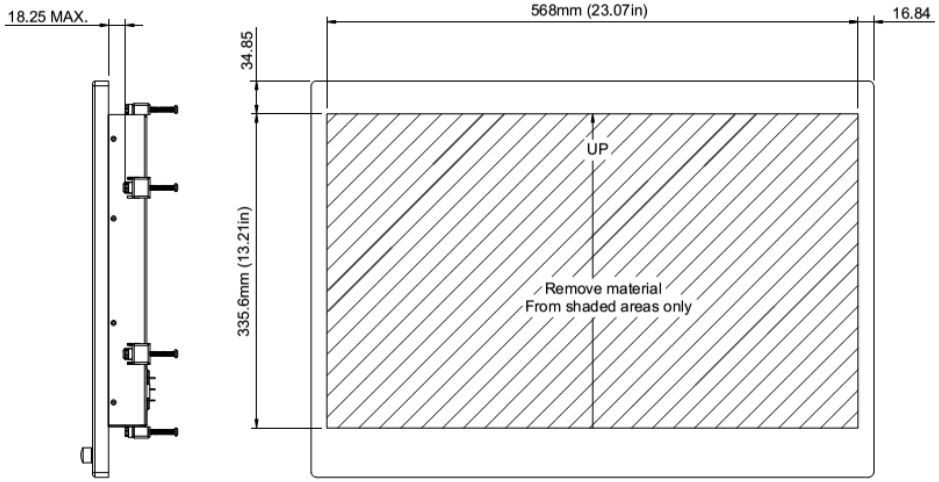
Mechanical Drawing

Outline Dimensions

Unit:mm



REV	ECN NO.	DESCRIPTION	SIGN	DATE



UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm		—	—	3rd Angle	NPD2425

TITLE: Dimension

DRAWING NO.(PART NO.): NPD2425-ETAW-J01

DESCRIPTION: 24",1000nits,FHD,PCT-usb.(T=90%),LID24B,AD5827,O/F,VR,WP,AOT,V01

APPROVED	CHECKED	DESIGNED
		Jerry Lo

LEVEL / DIM.	General tolerance ± 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	
> 600~4000	0.5	1.2	3	

MATERIAL	
FINISH	
Date	2015/02/05

⊕ CRITICAL DIMENSION
⋈ SPC DIMENSION

LiteMax — LiteMax Electronic Inc.

SIZE	SHT	REV
A4	2-2	V1

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

NPD2706
27" FHD IP65 Sunlight Readable Multi-Touch Marine Display

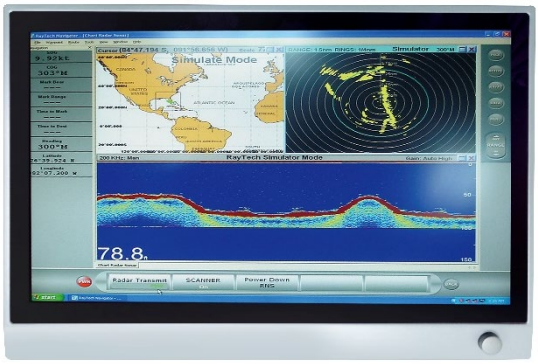
NAVPIXEL NPD2706, the high-performance, rugged touch monitor, is specially engineered to survive from the most demanding working environment. Housed in a milled billet aluminum case, the slim-profile NAVPIXEL NPD2706 is light weight and watertight. The front-mounted sunlight readable touch screen makes 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:

- 1200 nits Sunlight Readable LCD
- Long Life, Low Power Consumption LED Backlight
- Rotary and push knob (OSD MENU)
- Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- Projected Capacitive Multi-Touch Support
- Full Flat Design
- IP65 Facial Waterproof
- Isolation Power 9-36V DC Input

Application:

- Marine



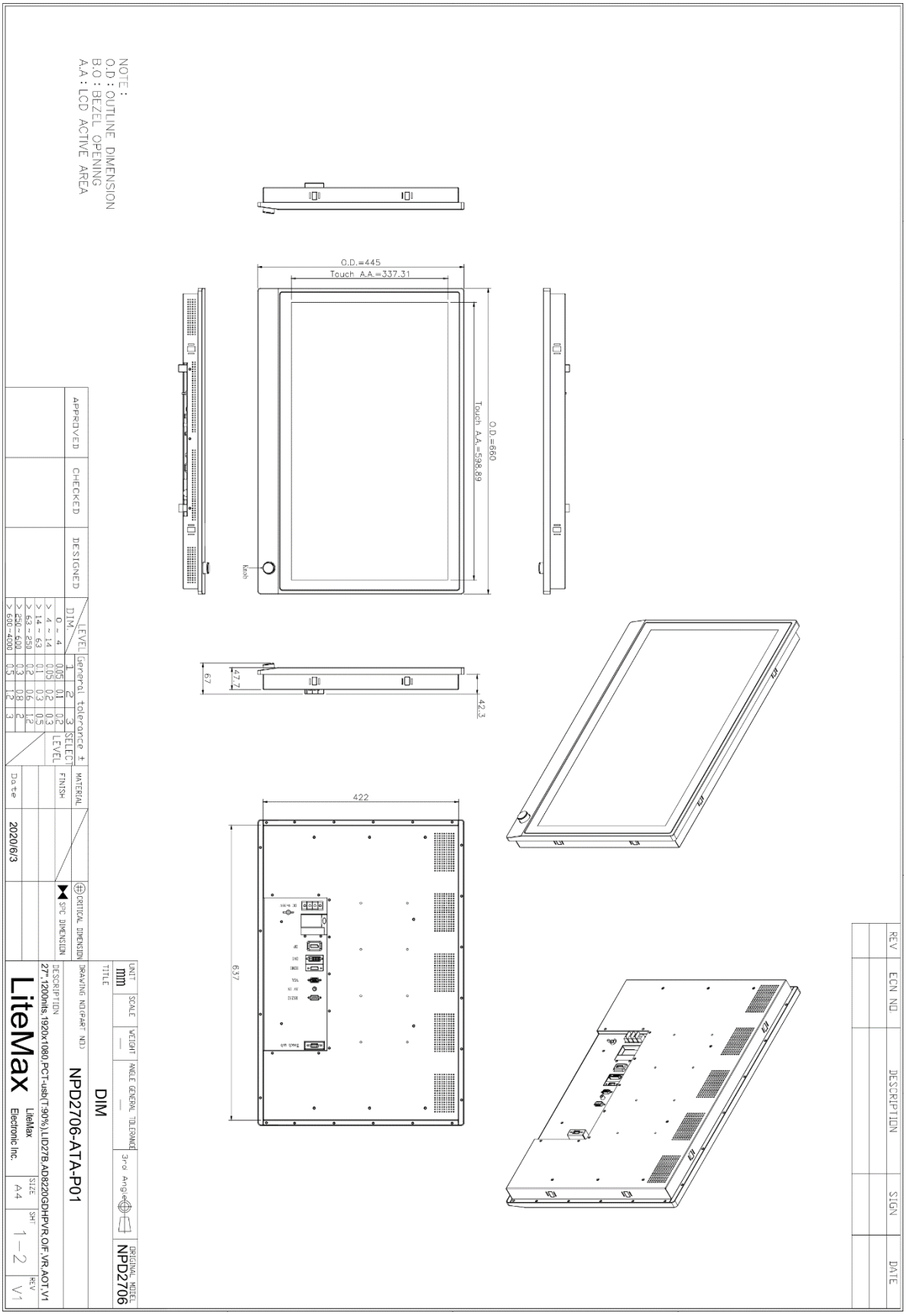
Specifications	V1
Model Number	**NPD2706**
Description	**27" FHD IP65 Sunlight Readable Multi-Touch Marine Display**
Backlight	LED Backlight
Active Display Area	597.6 x 336.15
Brightness	1200 cd/m2
Resolution	1920x1080
Aspect ratio	16 : 9
Contrast Ratio	3600 : 1
Pixel Pitch (mm)	0.311(H) x 0.311(V)
Pixel per inch (PPI)	81
Viewing Angle	178°(H),178°(V)
Display Color	16.7M
Response Time	12ms
Inputs	VGAx1, DVI-Dx1, HDMIx1, DPx1, Compositex1, RS232x1, USBx1
Mechanical	
IP Rating	Facial waterproof to IP65 standards when console mounted.
Construction	Rugged SPCC Chassis
Mounting	Panel (Flush) mount, VESA mount
Dimension (mm)	660(W)x445(H)x67(D)
Net Weight	12.5Kg
Power	
Voltage	DC Input Voltage: DC 9~36V
Power Consumption	62W
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	

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

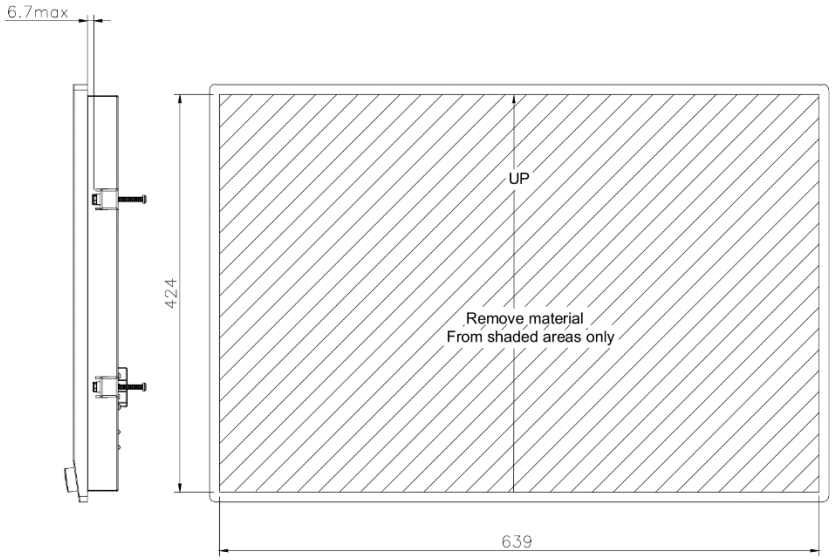
Mechanical Drawing

Outline Dimensions

Unit:mm



REV	ECN NO.	DESCRIPTION	SIGN	DATE



UNIT	SCALE	WEIGHT	ANGLE GENERAL TOLERANCE		ORIGINAL MODEL
mm		—	—	3rd Angle	

TITLE: Dimension

DRAWING NO.(PART NO.): NPD2706-ATA-P01

DESCRIPTION: 27",1200nits,1920x1080,PCT-usb(T:90%),LID27B,AD8220GDHPVR,O/F,VR,AOT,V1

APPROVED	CHECKED	DESIGNED
		Eric Lin

LEVEL / DIM.	General tolerance ± 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	
> 600 ~ 4000	0.5	1.2	3	

MATERIAL			CRITICAL DIMENSION
FINISH			SPC DIMENSION
Date	2020/06/5		

LiteMax — LiteMax Electronic Inc.

SIZE	SHT	REV
A4	2-2	V1

Ordering Information

Part Number	Description
NPD2706-ATA-P01	27",1200nits,1920x1080,PCT-usb(T:90%),LID27B,AD8220GDHPVR,O/F,VR,AOT,V1

Optional Accessories

Part Number	Description
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
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

product description

Introduction

Features:
- 1000 nits Sunlight Readable LCD
- Long Life, Low Power Consumption LED Backlight
- -10°C~50°C Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- Resistive Touch Support
- IP65 Fascial Waterproof

Application:
- Marine
- Outdoor Display

Specifications V1

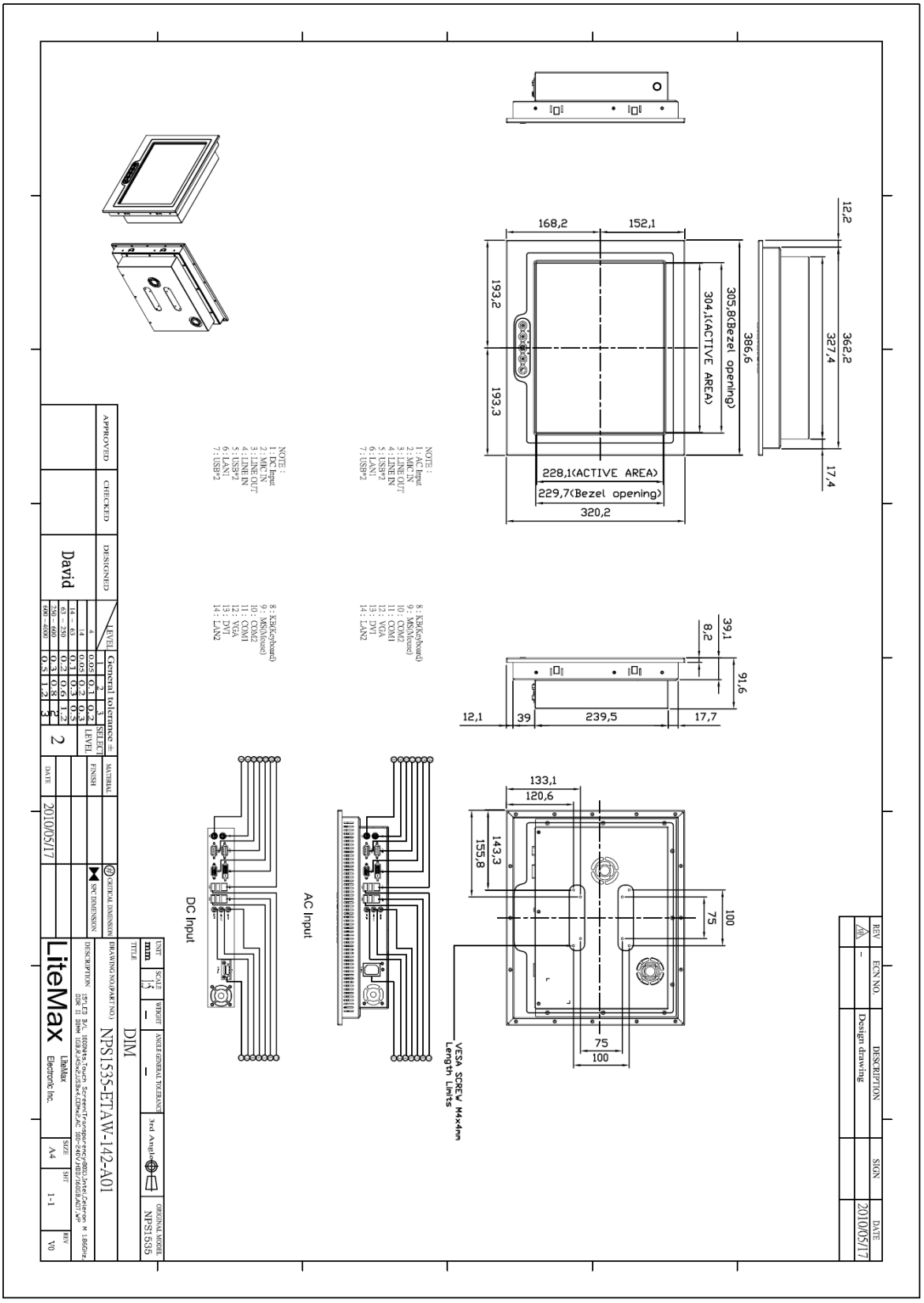
Model Number	NPS1535
LCD Display	
Backlight	15" LED Backlight
Active Display Area	304.128x228.096 mm
Brightness	1000 cd/m2
Resolution	1024x768 (XGA)
Contrast Ratio	700:1
Touch Screen	5-Wire, Analog Resistive / AR Glass
Optical	AOT
System	
Processor	Intelf Celeron M / Core 2 Duo Based Design
Chip Set	Intelf 945GM + ICH7M
Memory	DDR II DIMM 1GB
Ethernet	Intelf 82573L 10/100/1000Base-TX RJ45x2
Storage	SATA 2.5" HDD (Optional)
I/O Port	Audio Phone Jack (Line-in, Line-out, MIC-in) x 1, RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1), DVI-I x1, VGA-out x 1,KB/MS PS2 x 1,Power AC-in x1
BIOS	Award
Wake on LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitor	Support power supply voltages, fan speed and temperature monitoring
Expansion Interface	Mini PCI (internal)
Power	
Voltage	AC Input: AC 100 ~ 240V ;DC Input (Optional)
Power consumption	58W
Mechanical	
IP Rating	Fascial waterproof to IP65 standards when console mounted.
Construction	Aluminum Alloy Chassis
Mounting	Panel (Flush) Mount , VESA75/VESA100, Stand Mount
Dimension	386.6mm (W) x 320.2mm(H) x 91.6mm(D)
Net Weight	5.4kg
Environmental	
Operating Temperature	-10°C~40°C
Storage Temperature	-20°C ~ 80°C
Operating Humidity	5~95% @ 40°C, non-condensing
Certification	Designed to meet CE/FCC

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

Mechanical Drawing

Outline Dimensions

Unit:mm



Ordering Information

Part Number	Description
NPS1535-ETAW-142-A01	15"LED B/L 1000nits, Touch.Screen(Transparency:80%),Intel.Celeron M 1.86GHz ,DDR II DIMM.1GB,RJ45*2,USB*4,COM*2,AC.100~240V,HDD/250GB,AOT,WP
NPS1535-ETAW-142-A02	15"LED B/L 1000nits.Touch.Screen(Transparency:80%).Intel.Celeron M 1.86GHz,DDR II.DIMM 1GB,RJ45*2,USB*4,COM*2.DC10~30V,HDD/250GB,AOT,WP
NPS1535-ETAW-363-A01	15" LED B/L 1000Nits,Touch.Screen(Transparency:80%).Intel Core 2 Duo 2.16GHz.DDR II DIMM 2GB,RJ45*2,USB*4.COM*2,AC 100~240V,HDD/250GB.AOT,WP
NPS1535-ETAW-363-A02	15"LED B/L 1000Nits.Touch Screen(Transparency:80%).Intel Core 2 Duo 2.16GHz,DDRII.DIMM 2GB,RJ45*2,USB*4,COM*2.DC10~30v,HDD/250GB,AOT,WP

Optional Accessories

Part Number	Description
980000480010	SET.OTHER,CD for AP.(NPS1535/1735/1935),all
980000430010	SET,other,CD for XPe O.S Image.(NPS1535/1735/1935),all
321038174501	Print,Label,Serial,LP,1745,V0.Microsoft OS/XP Embedded.968TXPEEMB
810618301010	CABLE.POWER.AC.1830mm USA type
810618301090	CABLE,POWER,AC,1830mm Europe type
810618301050	CABLE.POWER.AC.1830mm UK type
810618301170	CABLE.POWER,AC,1830mm Australia type
810618301030	CABLE.POWER.AC.1830mm Japan type
840612073000	ADAPTER,12V,7.0A84W.LE-0316B120084.NLE-0316BS12V-AE

product description

Introduction

Features:
- 1000 nits Sunlight Readable LCD
- Long Life, Low Power Consumption LED Backlight
- -10°C~50°C Wide Operating Temperature
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- Resistive Touch Support
- IP65 Fascial Waterproof

Application:
- Marine
- Outdoor Display

Specifications V1

Model Number	NPS1935
LCD Display	
Backlight	19" LED Backlight
Active Display Area	376.32x301.06 mm
Brightness	1000 cd/m2
Resolution	1280x1024 (SXGA)
Contrast Ratio	1000:1
Touch Screen	5-Wire, Analog Resistive / AR Glass
Optical	AOT
System	
Processor	Intelf Celeron M / Core 2 Duo Based Design
Chip Set	Intelf 945GM + ICH7M
Memory	DDR II DIMM 1GB
Ethernet	Intelf 82573L 10/100/1000Base-TX RJ45x2
Storage	SATA 2.5" HDD (Optional)
I/O Port	Audio Phone Jack (Line-in, Line-out, MIC-in) x 1, RJ45 x2,USB x4, COMx2 (RS232 x1, RS232 /422 /485 x1), DVI-I x1, VGA-out x 1,KB/MS PS2 x 1,Power AC-in x1
BIOS	Award
Wake on LAN	Yes
Watchdog Timer	Generates a time-out system reset
H/W Status Monitor	Support power supply voltages, fan speed and temperature monitoring
Expansion Interface	Mini PCI (internal)
Power	
Voltage	AC Input: AC 100 ~ 240V ;DC Input (Optional)
Power consumption	75W
Mechanical	
IP Rating	Fascial waterproof to IP65 standards when console mounted.
Construction	Aluminum Alloy Chassis
Mounting	Panel (Flush) Mount , VESA75/VESA100, Stand Mount
Dimension	447mm (W) x 390.6mm(H) x 91.5mm(D)
Net Weight	7.2kg
Environmental	
Operating Temperature	-10°C~40°C
Storage Temperature	-20°C ~ 80°C
Operating Humidity	5~95% @ 40°C, non-condensing
Certification	Designed to meet CE/FCC

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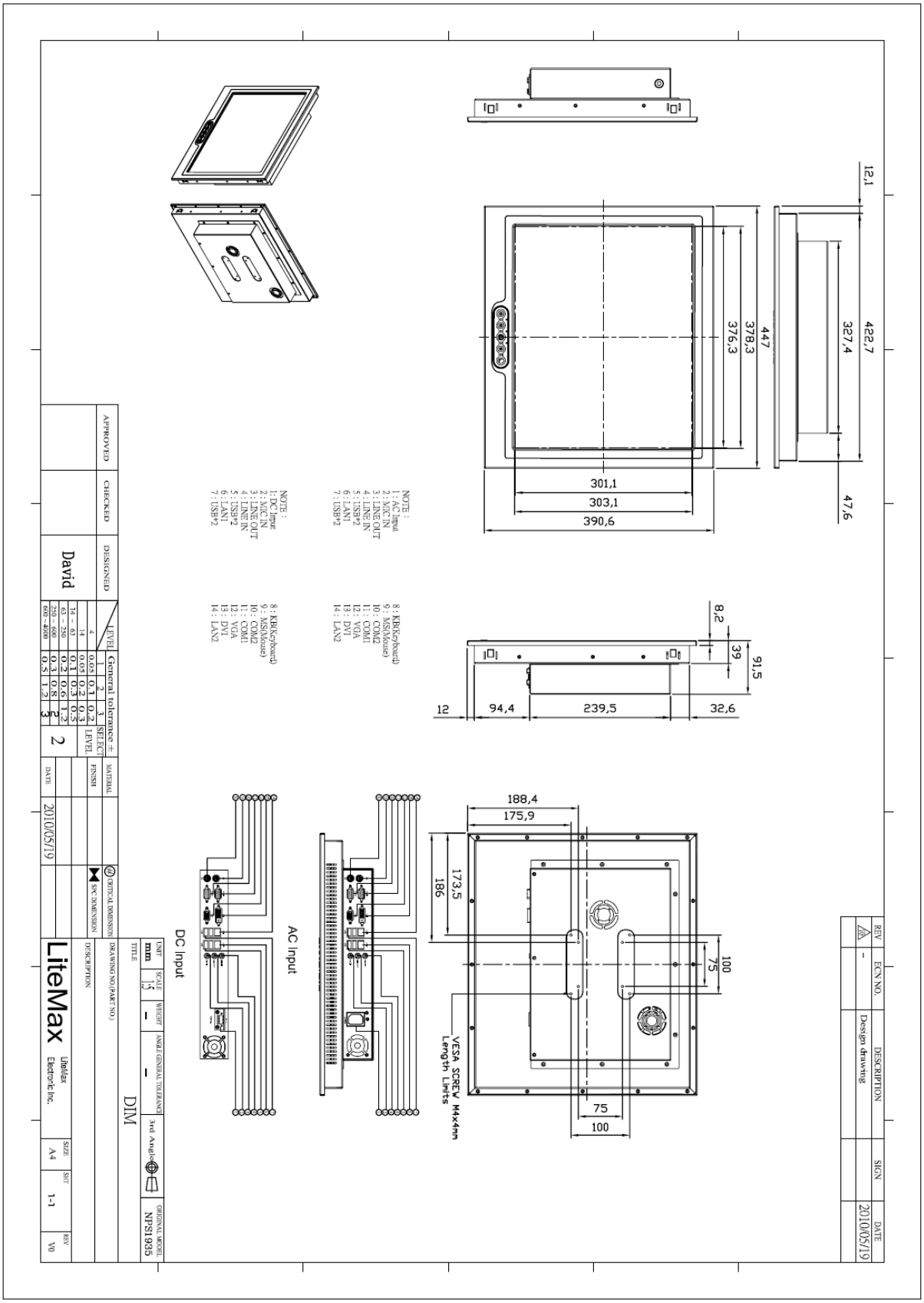
Mechanical Drawing

Outline Dimensions

Unit:mm



Ordering Information

Part Number	Description
NPS1935-ETAW-142-A01	19" LED B/L 1000nits.Touch Screen(Transparency:80%).Intel Celeron M 1.86GHz,DDR II.DIMM 1GB,RJ45*2,USB*4,COM*2.AC 100~240V,HDD/250GB,AOT,WP
NPS1935-ETAW-142-A02	19" LED B/L 1000nits , Touch.Screen(Transparency:80),Intel.Celeron M 1.86GHz,DDR II DIMM.1GB,RJ45*2,USB*4,COM*2.DC10~30V,HDD/250GB,AOT,WP
NPS1935-ETAW-363-A01	19"LED B/L 1000Nits.Touch Screen(Transparency:80%).Intel Core 2 Duo 2.16GHz,DDRII.DIMM 2GB,RJ45*2,USB*4,COM*2.AC 100~240V,HDD/250GB,AOT,WP
NPS1935-ETAW-363-A02	19",LED B/L 1000 Nits.Touch Screen(Transparency:80%).Intel Core 2 Duo 2.16GHz.DDR II DIMM 2GB,RJ45*2,USB*4.COM*2,DC10~30V,HDD/250GB,AOT.WP

Optional Accessories

Part Number	Description
980000480010	SET.OTHER,CD for AP.(NPS1535/1735/1935),all
980000430010	SET,other,CD for XPe O.S Image.(NPS1535/1735/1935),all
321038174501	Print,Label,Serial,LP,1745,V0.Microsoft OS/XP Embedded.968TXPEEMB
810618301010	CABLE.POWER.AC.1830mm USA type
810618301090	CABLE,POWER,AC,1830mm Europe type
810618301050	CABLE.POWER.AC.1830mm UK type
810618301170	CABLE.POWER,AC,1830mm Australia type
810618301030	CABLE.POWER.AC.1830mm Japan type
840612073000	ADAPTER,12V,7.0A84W.LE-0316B120084.NLE-0316BS12V-AE

product description

19", 1600Nits, PCT, Intel Core i5-4570TE, DDR3 SODIMM/4GB, SSD/64GB, RJ45*2, USB-3*2, USB-2*4, COM*2, DVI*1, VGA*1, Audio Jack*2(Mic-in,Line-out), PS2*1(KB&Mouse), AOT, WP, AC100~240V input

Introduction

Features:

- 1600 nits Sunlight Readable LCD
- Long Life, Low Power Consumption LED Backlight
- Advanced Optical Bonding (AOT)
- High Shock & Vibration Resistance
- PCT Multi-Touch Support
- IP65 Fascial Waterproof

Application:

- Marine
- Outdoor Display

Specifications

Preliminary

Model Number	**NPS1968**
LCD Display	
Backlight	19" LED Backlight
Active Display Area	377.32x302.06 mm
Brightness	1600 cd/m^2
Resolution	1280x1024 (SXGA)
Contrast Ratio	1000:1
Touch Screen	PCT Multi-Touch
Optical	AOT
System	
Processor	Intel Core i5
Chip Set	Intel H81 Express Chipset
Memory	DDR III SODIMM 4GB
Ethernet	Realtek 8111F PCIe Gigabit LAN
Storage	SATA 2.5" HDD (Optional)
I/O Port	RJ45*2,USB-3*2,USB-2*4,COM*2,DVI*1,VGA*1, Audio Jack*2(Mic-in,Line-out),PS2*1(KB&Mouse),Power AC-in x1
BIOS	AMI
Wake on LAN	Yes
Watchdog Timer	1~255 steps programmable
H/W Status Monitor	Support power supply voltages, fan speed and temperature monitoring
Expansion Interface	Mini PCIe (internal)
Power	
Voltage	AC Input: AC 100 ~ 240V ; DC Input (Optional)
Power consumption	90W
Mechanical	
IP Rating	Fascial waterproof to IP65 standards when console mounted.
Construction	Aluminum Alloy Chassis
Mounting	Panel (Flush) Mount , VESA75/VESA100, Stand Mount
Dimension	469.5mm (W) x 427.35mm(H) x 92.2mm(D)
Net Weight	5.5kg
Environmental	
Operating Temperature	0°C~50°C
Storage Temperature	-20°C ~ 60°C
Operating Humidity	5~95% @ 40°C, non-condensing
Certification	Designed to meet CE/FCC

Specifications are subject to change without notice.
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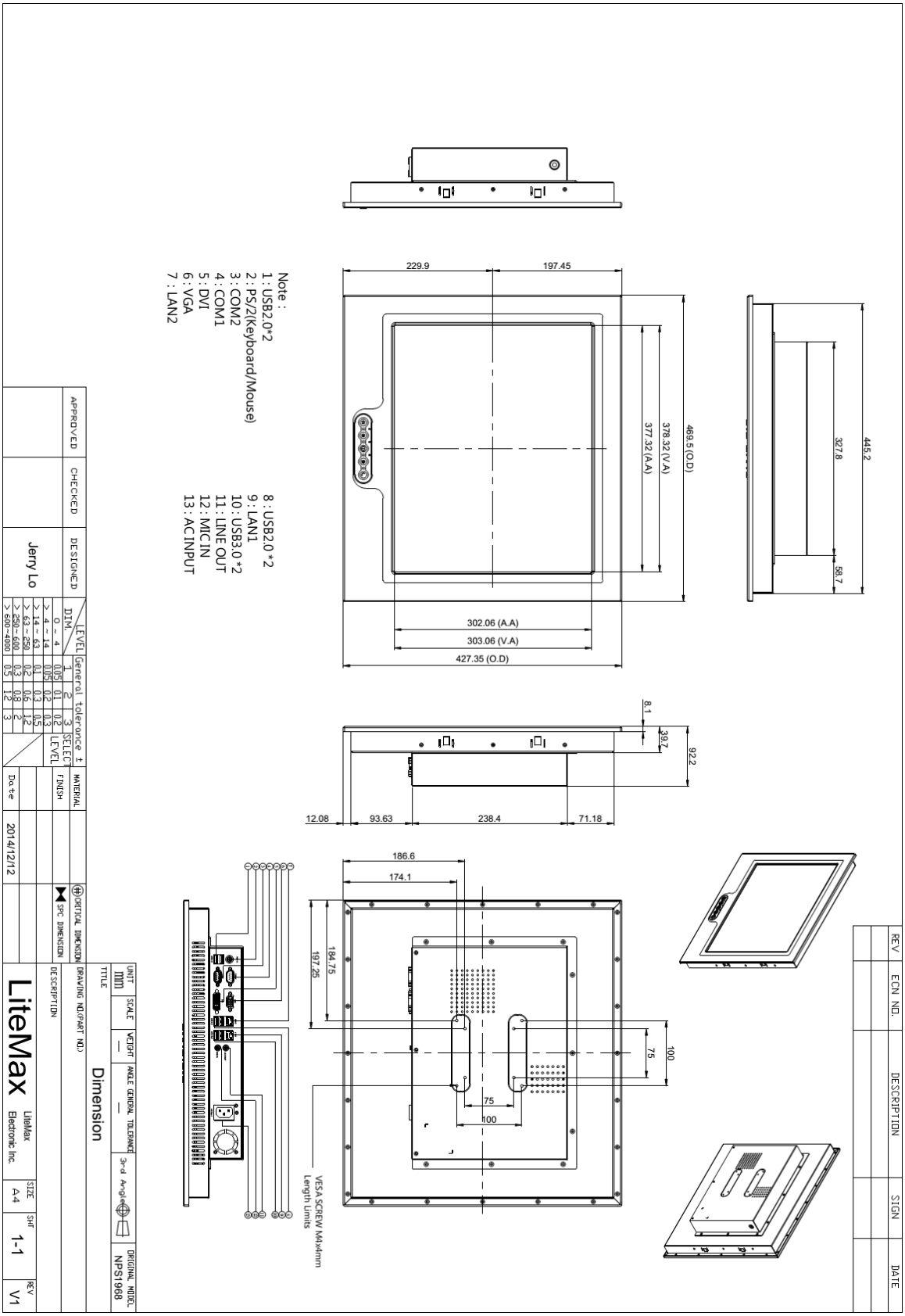
Mechanical Drawing

Outline Dimensions

Unit : mm



Ordering Information

Part Number	Description
NPS1968-ETA-A01	19",1600nits,PCT.Intel Core i5-4570TE.DDR3 SODIMM/4GB,SSD/64GB.RJ45*2,USB-3*2,USB-2*4,COM*2.VGA*1,Audio Jack*2,PS2*1,LS.AOT,WP,AC100~240V

Optional Accessories

Part Number	Description
321038156800	Print,Label,Serial,NPS,1568.V0.Microsoft Windows 7.Professional for Embedded. Systems,42C-00022,P
810618301010	CABLE.POWER.AC.1830mm USA type
810618301090	CABLE,POWER,AC,1830mm Europe type
810618301050	CABLE.POWER.AC.1830mm UK type
810618301170	CABLE.POWER,AC,1830mm Australia type
810618301031	CABLE.POWER.AC.1830mm Japan type