

N D F

SPECIAL LIGHT PRODUCTS



DISPLAY

High bright display 15" / 19" / 24"

Clear, sharp and bright images under any circumstance

Solid and clear information is crucial during navigation at sea. Our 15, 19 and 24-inch high bright screens are designed to provide the customer with a clear, sharp and bright image under harsh conditions, night or day. Combined with outstanding quality and a design that is suited for each application, you do not need to look further.

Pleasing the eyes

Our displays are designed to provide optimal viewing comfort and bright image quality. The minimum brightness of 0,05 cd/m2 and maximum brightness of 4000 cd/m2 result in an agreeable look at the screen.

Furthermore, the displays are resistant to solar loading, which makes them highly suitable for outdoor use. No black spots will appear when exposed to direct sunlight, which allows for the possibility to mount them in a horizontal position.

A feature which is one of its kind in the maritime industry.

Next to that, the design of the display is as pleasing as its performance. The seamless screens make them suitable for integration into each interior. Integration into cabinets, panels or any other construction is possible. The LCM can be assembled in your custom housing, resulting in even more designer freedom.

Everything under control

You decide what you want to control! Whether you want buttons, touch screens or any other equipment to be controlled via your screen, it's up to you. Even communication over Ethernet is possible, making this display suitable for a variety of purposes.

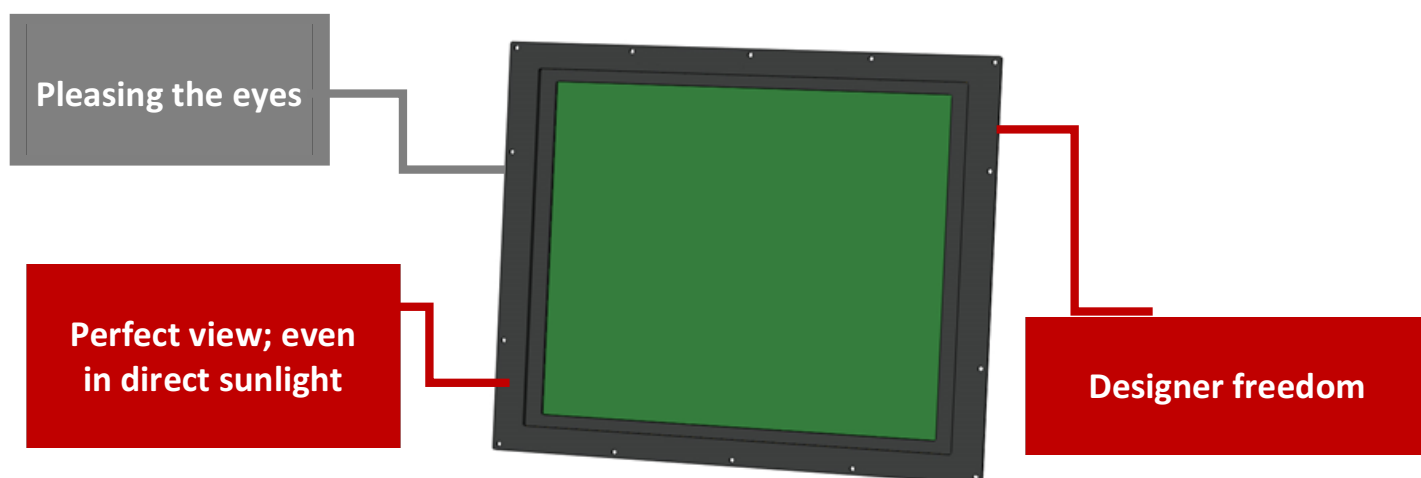
At your fingertips

Everything under control with just a touch. Our high bright screens are optionally available as touch screen control panels. The optional touch screen gives the user full control of any application without using an external mouse.



Product specifications

Optical and picture specifications										
	15"			19"			24"			Unit
Brightness/White luminance	4250			3900			3750			Cd/m2
Uniformity (9point) typical	➤ 85									%
Viewing angle	t.b.d.			t.b.d.			t.b.d.			degrees
Right										
Left										
Upper										
Lower										
Color / chromaticity	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
Red x	0.567	0.617	0.667				0.593	0.653	0.693	
Red y	0.296	0.346	0.396				0.289	0.339	0.389	
Green x	0.286	0.336	0.386				0.279	0.329	0.379	
Green y	0.562	0.612	0.662				0.574	0.624	0.674	
Blue x	0.109	0.159	0.209				0.105	0.155	0.205	
Blue y	0.015	0.065	0.115				0.000	0.048	0.098	
White x	0.289	0.339	0.359	0.263	0.313	0.363	0.263	0.313	0.363	
White y	0.318	0.368	0.418	0.279	0.329	0.379	0.279	0.329	0.379	
Color gamut	t.b.d.									%
Backlighting	LED									



Pleasing the eyes

Optimal viewing comfort and bright image quality.

Designer freedom

The seamless LCM can be assembled in your custom housing.

Everything under control

Custom interfaces can be used on the display.

Outdoor use

Resistant to solar loading.

Perfect view, even in direct sunlight!

At your fingertips

Our high bright screens are optionally available as touch screen control panels.

Product specifications

Display characteristics				
	15"	19"	24"	Unit
Display size diagonal	380,0	482,6	609,7	mm
Active area	304,1H x 228,1V	376,3H x 301,1V	473,8H x 296,1V	mm
Pixels (HxV)	1024 x 768	1280 x 1024	1920 x 1080	pixels
Pixel Pitch (per 1 triade)	277 x 277	294 x 294	277 x 277	µm
Pixel arrangement	RGB vertical stripe			
Display mode	Normally white		Normally black	
Aspect ratio	4 : 3		16 : 9	
Contrast ratio	800 : 1	1000 : 1	5000 : 1	
Input voltage	24			Volt DC
Power consumption	94	154	203	Watt
Video input	HDMI, VGA & Display port			
Surface treatment	Anti-glare coating	t.b.d.	t.b.d.	
Support color	16.2M colors	16.7M colors	16.7M colors	
Operating temp.	-30 to +85	-30 to +85	-20 to +70	°C
Storage temp.	-30 to +85	-30 to +85	-30 to +80	°C
Operating humidity	8 – 90	5 – 95	5 – 90	RH
Weight screen	t.b.d.	t.b.d.	t.b.d.	gr



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