

SIMATIC IFP2200, Flat Panel 22" display (16: 9), Multitouch, Standard up to 5 m, 1920x 1080 pixels, for 24 V DC, Display port/DVI interface, incl. DVI/USB cable 1.8 m, Shipbuilding approval



Figure similar

General information	
Product type designation	IFP2200
Short designation	Flat Panel 22" multi-touch marine
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	21.5 in
Screen diagonal [cm]	56 cm
Display width	476 mm
Display height	268 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	170° x 170°
Resolution (pixels)	
• Horizontal image resolution	1 920 Pixel
• Vertical image resolution	1 080 Pixel
• Pixel size, horizontal	0.2475 mm
• Pixel size, vertical	0.2475 mm

General features	
• Brightness/contrast	250 cd/m ² / 1 000:1
• non-reflective and tempered mineral glass screen	Yes
• Detachable from computer unit	5 m
• Luminance	250 cd/m ²
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %
Control elements	
Input device	
• Integrated mouse cursor control	Yes; Also externally via USB
Keyboard fonts	
• Function keys	No
— Number of function keys	0
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes
Installation type/mounting	
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	35°
maximum permitted backward tilt angle from vertical	35°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V; PELV
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Power loss	
Power loss, typ.	40 W
Power loss, max.	65 W
Interfaces	
Video interfaces	
• analog video signal (VGA)	No
• DVI-D	Yes
• DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes
Degree and class of protection	
IP (at the front)	IP65

IP (rear)	IP20
NEMA (front)	
<ul style="list-style-type: none"> • Enclosure Type 4 at the front 	Yes
<ul style="list-style-type: none"> • Enclosure Type 4x at the front 	Yes
<ul style="list-style-type: none"> • Enclosure Type 12 at the front 	Yes

Standards, approvals, certificates

CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes

Use in hazardous areas

<ul style="list-style-type: none"> • ATEX Zone 2 	Yes; Available soon
<ul style="list-style-type: none"> • ATEX Zone 22 	Yes; Available soon
<ul style="list-style-type: none"> • FM Class I Division 2 	Yes

Marine approval

<ul style="list-style-type: none"> • Germanischer Lloyd (GL) 	Yes
<ul style="list-style-type: none"> • American Bureau of Shipping (ABS) 	Yes
<ul style="list-style-type: none"> • Bureau Veritas (BV) 	Yes
<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	Yes
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	Yes
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (Class NK) 	Yes

Ambient conditions

Ambient temperature during operation

<ul style="list-style-type: none"> • min. 	0 °C
<ul style="list-style-type: none"> • max. 	45 °C; Vertical installation (horizontal)

Ambient temperature during storage/transportation

<ul style="list-style-type: none"> • min. 	-20 °C
<ul style="list-style-type: none"> • max. 	60 °C

Relative humidity

<ul style="list-style-type: none"> • Operation, max. 	95 %; no condensation
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Vibrations

<ul style="list-style-type: none"> • Vibration load in operation 	10 m/s ²
<ul style="list-style-type: none"> • Vibration load during transport/storage 	10 m/s ²

Shock testing

<ul style="list-style-type: none"> • Shock load during operation 	150 m/s ²
<ul style="list-style-type: none"> • Shock load during transport/storage 	150 m/s ²

Mechanics/material

Enclosure material (front)	
<ul style="list-style-type: none"> • Glass 	Yes

Dimensions

Width of the housing front	560 mm
Height of housing front	380 mm
Mounting cutout, width	542 mm; Tolerance: +1 mm
Mounting cutout, height	362 mm; Tolerance: +1 mm
Overall depth	62.5 mm

Weights

Weight without packaging	6.5 kg
Weight incl. packaging	7.6 kg

last modified: 06/12/2020