

Display Unit

DPU3200-22KT-304A-V1-N0

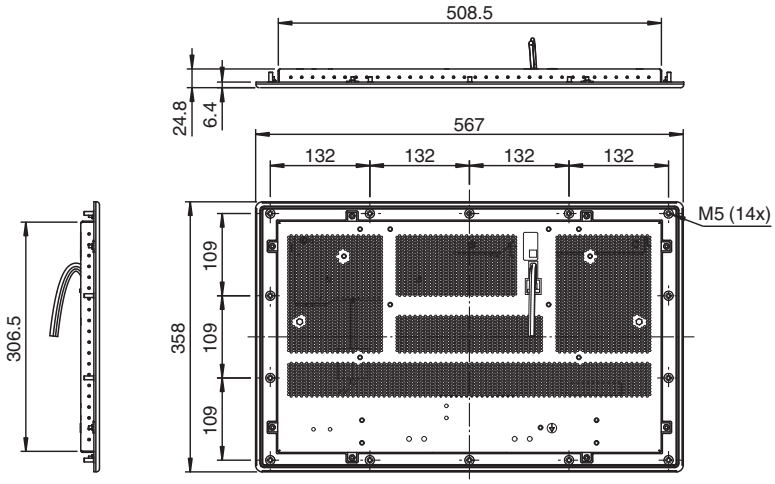
- 10 point multi-touch sensor option allows design of modern user interfaces
- Highly resistant to cleaning agents with stainless steel bezel and seamless glass design
- Design optimized for easy cleanability
- Low-power consumption and heat dissipation due to LED backlight technology

Display Unit

Function

The DPU3200-* display unit is an ATEX / IECEx certified, UL listed device intended for use in potentially explosive atmospheres of Zone 2/22. Connected to a Pepperl+Fuchs VisuNet FLX thin client unit, PC unit or DMU unit, the DPU serves as a display with a touch screen. It enables users to perceive the system outputs of the computing unit and to input user data.
The display unit can only be operated with the modular HMI components of the VisuNet FLX product line.

Dimensions



Technical Data

Supply		
Power consumption		**DPU + Box-PC:** 25.2 W (without any loads, white screen, full brightness) **DPU:** 12 W (LCD, Backlight board, Touch board)
Indicators/operating means		
Display		
Type		LC display with LED backlight
Screen size		54.61 cm (21.5 inch)
Resolution		1920x1080 (Full HD) , Aspect ratio 16:9
Color depth		24 bit (16.7 M) color
Contrast ratio		1000:1 (typical)
Brightness		250 cd/m² (nit)

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Technical Data

Viewing angle	178° in all directions
Life span	Back lamp life: 50.000 hrs typical half life , at 25 °C (77 °F)
Input devices	
Touch screen	10-finger multi-touch, glove friendly
Interface	
Interface type	USB touch screen signal, LVDS-video signal and inverter LCD backlight pins for VisuNet FLX computing unit connection
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	DIN EN 55035:2018-04
RoHS	
Directive 2011/65/EU (RoHS)	EN IEC 63000:2018
Ambient conditions	
Operating temperature	0 ... 45 °C (32 ... 113 °F)
Storage temperature	-20 ... 65 °C (-4 ... 149 °F)
Relative humidity	max. relative humidity 93% at 40°C (non-condensing) according to EN60068-2-78
Shock resistance	18 shocks 15 g , 11 ms all axis, IEC 60068-2-27
Vibration resistance	10 ... 150 Hz, +/- 0.075 mm , 1g, 10 cycles per axis according to EN60068-2-6
Mechanical specifications	
Degree of protection	Front side: IP66 Back side: IP20 (when mounted to the computing unit from Pepperl+Fuchs)
Material	Front bezel: Stainless steel AISI304 (glass, silicone gasket) Backside: Painted aluminum sheet metal
Surface	front: glass (optional with stainless steel bezel)
Mass	approx. 6 kg
Dimensions	567 mm x 358 mm x 23.5 mm
Cut out dimensions	535 mm x 333.5 mm +/- 1 mm
Data for application in connection with hazardous areas	
Certificate	Please refer to the VisuNet FLX System and VisuNet FLX Panel documentation.

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