

Display Unit

DPU3200-22GT-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

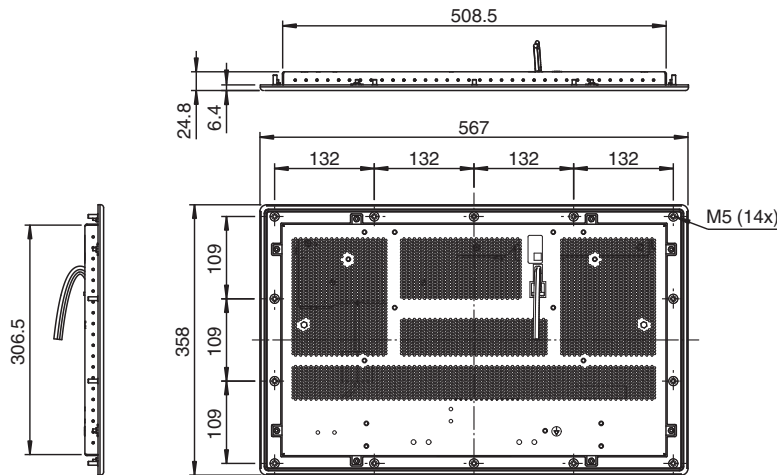
Display Unit



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 typical 22 W

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/m ² (nit)
Viewing angle	178° in all directions
Life span	Back lamp life: 30.000 hrs typical half life , at 25 °C (77 °F)

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

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.