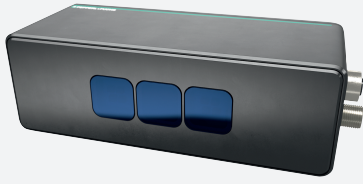


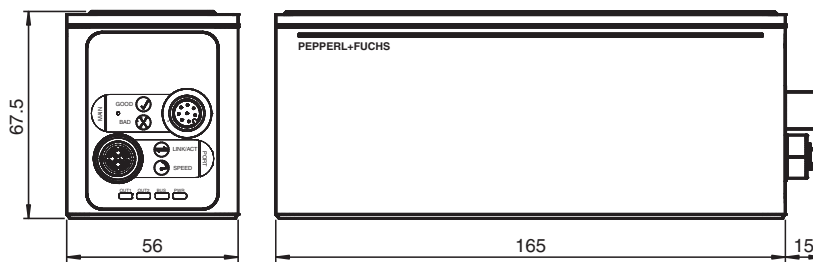
3-D Time-of-Flight sensor VTE7500-F400-B12-A1500



- Resolution 640 x 480 pixel
- Gigabit-Ethernet (GigE) interface
- Simple and fast mounting
- Intuitive and user-friendly operating software ViSolution
- Sturdy metallic housing
- C# API
- DuraBeam technology



Dimensions



Technical Data

Search characteristics

Target velocity	max. 1 m/s
Object reflectivity	> 18 %

General specifications

Detection range	max. 7500 mm min. 400 mm
Light source	Vertical-cavity surface-emitting laser
Light type	Infrared
Laser nominal ratings	
Laser class	1
Wave length	940 nm
Picture detail	dependant of operating distance
Opening angle	47 ° x 35 °

Nominal ratings

Camera	
Number of pixels	640 x 480 pixels
Shutter	4 - Phases Global shutter

Release date: 2022-09-19 Date of issue: 2022-09-19 Filename: 70123993-100000_eng.pdf

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

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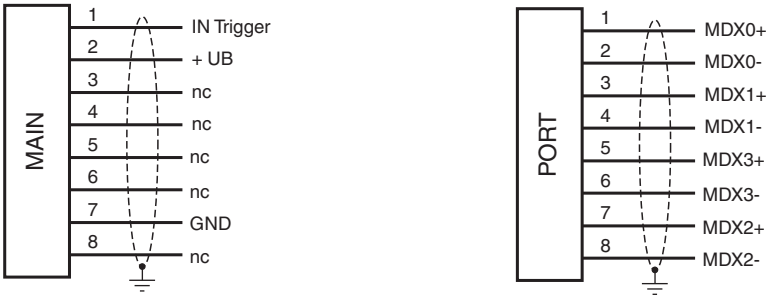
Singapore: +65 6779 9091
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 **PEPPERL+FUCHS**

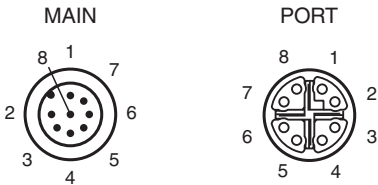
Technical Data

Frame rate		30 fps
Image resolution		0.3 MP
Functional safety related parameters		
MTTF _d		20 a
Mission Time (T _M)		10 a
Diagnostic Coverage (DC)		0 %
Indicators/operating means		
Operation indicator		4 LEDs (OUT 1, OUT 2, BUS, PWR)
Electrical specifications		
Operating voltage	U _B	24 V ± 20 % , PELV
No-load supply current	I ₀	max. 450 mA
Power consumption	P ₀	max. 13 W , Outputs without load
Interface		
Interface type		Ethernet TCP/IP
Transfer rate		1 GBit/s
Input		
Control input		1 digital input and External trigger
Compliance with standards and directives		
Standard conformity		
Noise immunity		EN 61000-6-2:2005
Emitted interference		EN 61000-6-4:2007/A1:2011
Degree of protection		EN 60529
Shock and impact resistance		EN 60068-2-27:2009
Laser class		IEC 60825-1:2014
Function and system design		
Measuring principle		Time-of-Flight
Application		3-D raw data
Approvals and certificates		
CE conformity		CE
UKCA conformity		UKCA
CCC approval		CCC approval / marking not required for products rated ≤36 V
Ambient conditions		
Operating temperature		-20 ... 45 °C (-4 ... 113 °F) , (noncondensing; prevent icing on the lens!)
Relative humidity		< 99 % , noncondensing
Mechanical specifications		
Housing width		56 mm
Housing height		165 mm + 15 mm Connection
Housing depth		67.5 mm
Degree of protection		IP65/IP67
Connection		M12 connector, 8-pin , A-coded 8-pin M12 socket , X-coded
Material		
Housing		metal
Optical face		Plastic pane
Installation		M5 screws
Mass		approx. 800 g
Tightening torque, fastening screws		max. 2 Nm
General information		
Note		INVISIBLE LASER RADIATION , DO NOT STARE INTO BEAM DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS , LASER ENERGY EXPOSURE NEAR APERTURE MAY CAUSE BURNS

Connection Assignment



Connection



Accessories

	V19SX-G-ABG	Male connector M12 straight X-coded 8-pin, Cat6A, shielded, field-attachable
	V19SX-G-GN5M-PUR-ABG-V45-G	Ethernet bus cable M12 plug straight X-coded to RJ45 plug straight Ethernet-coded, 8-pin, PUR cable green, Cat6A, pairs shielded and overall shield
	V19-G-BK2M-PUR-U/ABG	Female cordset single-ended M12 straight A-coded, 8-pin, PUR cable black, shielded, UL approved
	V19-G-BK2M-PUR-U/ABG-V19-G	Cordset M12 socket straight to M12 plug straight A-coded, 8-pin, PUR cable black, shielded, UL-approved
	V19-G-BK5M-PUR-U/ABG	Female cordset single-ended M12 straight A-coded, 8-pin, PUR cable black, shielded, UL approved
	V19-G-BK5M-PUR-U/ABG-V19-G	Cordset M12 socket straight to M12 plug straight A-coded, 8-pin, PUR cable black, shielded, UL-approved
	V19SX-G-GN5M-PUR-E2S-V45-G	Ethernet bus cable M12 plug straight X-coded to RJ45 plug straight Ethernet-coded, 8-pin, PUR cable green, Cat6A, pairs shielded and overall shield

Safety Information



LASERLICHT
LASER LIGHT

LASER KLASSE 1
CLASS 1 LASER PRODUCT

Safety Information

Laser Class 1 Information

The irradiation can lead to irritation especially in a dark environment. Do not point at people!

Maintenance and repairs should only be carried out by authorized service personnel!

Attach the device so that the warning is clearly visible and readable.

The warning accompanies the device and should be attached in immediate proximity to the device.

Caution – Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.