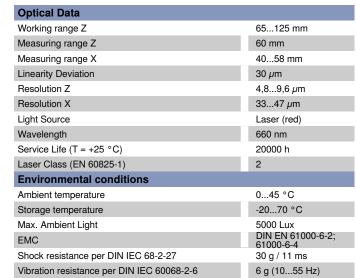
MLSL122

Part Number





weCat3D

- Atmospheric humidity 5...95%, noncondensing
- Supply Voltage
 18...30 V DC

 Current Consumption (Ub = 24 V)
 300 mA

 Measuring Rate
 200...4000 /s
- Subsampling 800...4000 /s
 Inputs/Outputs 4
 Switching Output Voltage Drop < 1.5 V

100 mA

Short Circuit ProtectionyesReverse Polarity ProtectionyesOverload Protectionyes

Switching Output/Switching Current

- Interface Ethernet TCP/IP
 Baud Rate Ethernet TCP/IP
 00/1000 Mbit/s
- Protection Class III
- FDA Accession Number 1610451-003

 Mechanical Data
- Housing Material

 Housing Material

 Housing Material

 Plastic, ABS

 Degree of Protection

 IP67

 Connection

 M12 × 1; 12-pin
- Connection M12 × 1; 12-pin

 Type of Connection Ethernet M12 × 1; 8-pin, X-cod.

 Optic Cover Plastic, PMMA
- Optic Cover Plastic, PMMA

 Web server yes

Push-Pull	•
Connection Diagram No.	1022 1034
Control Panel No	¥2 Δ22

Connection Diagram No.		1034	
Control Panel No.	X2	A22	
Suitable Connection Equipment No.	50	87	
Suitable Mounting Technology No.	34	13	



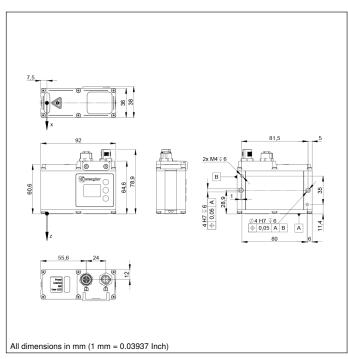
- Compact, lightweight design even suitable for robot applications
- Precise measuring range resolution X (> 1200 measuring points)
- Up to 3.6 million measuring points per second

2D/3D Profile Sensors project a laser line onto the object to be detected and generate an accurate, linearized height profile with an internal camera which is set up at a triangulation angle. Thanks to its uniform, open interface, the weCat3D series can be incorporated by means of the DLL program library or the GigE Vision standard without an additional control unit. Alternatively, wenglor offers its own software packages for implementing your application.



Complementary Products

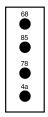
Connection cables
Control Unit
Cooling Unit ZLSK001
Protective Housing ZLSS003
Protective Screen Retainer ZLSS001
Software
Switch EHSS001

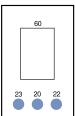


Ctrl. Panel

A22

X2





20 = Enter key

22 = Up key

23 = Down key

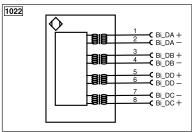
4a = User LED

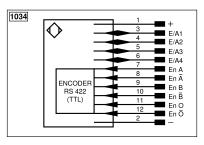
60 = display

68 = supply voltage indicator

78 = Module status

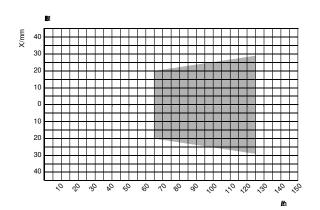
85 = Link/Act LED





Legend			,		_	
+	Supply Voltage +	nc	Not connected	ENBRS422	Encoder B/B (TTL)	
-	Supply Voltage 0 V	U	Test Input	ENA	Encoder A	
~	Supply Voltage (AC Voltage)	0	Test Input inverted	ENB	Encoder B	
Д	Switching Output (NO)	W	Trigger Input	Amin	Digital output MIN	
Ā	Switching Output (NC)	W-	Ground for the Trigger Input	AMAX	Digital output MAX	
/	Contamination/Error Output (NO)	0	Analog Output	Аок	Digital output OK	
V	Contamination/Error Output (NC)	0-	Ground for the Analog Output	SY In	Synchronization In	
E	Input (analog or digital)	BZ	Block Discharge	SY OUT	Synchronization OUT	
Γ	Teach Input	Аму	Valve Output	OLT	Brightness output	
Z	Time Delay (activation)	а	Valve Control Output +	M	Maintenance	
S	Shielding	b	Valve Control Output 0 V	rsv	Reserved	
RxD	Interface Receive Path	SY	Synchronization	Wire Colo	Wire Colors according to DIN IEC 60757	
TxD	Interface Send Path	SY-	Ground for the Synchronization	BK	Black	
RDY	Ready	E+	Receiver-Line	BN	Brown	
GND	Ground	S+	Emitter-Line	RD	Red	
CL	Clock	±	Grounding	OG	Orange	
E/A	Output/Input programmable	SnR	Switching Distance Reduction	YE	Yellow	
3	IO-Link	Rx+/-	Ethernet Receive Path	GN	Green	
PoE	ower over Ethernet	Tx+/-	Ethernet Send Path	BU	Blue	
IN	Safety Input	Bus	Interfaces-Bus A(+)/B(-)	VT	Violet	
OSSD	Safety Output	La	Emitted Light disengageable	GY	Grey	
Signal	Signal Output	Mag	Magnet activation	WH	White	
BI_D+/-	Ethernet Gigabit bidirect. data line (A-D)	RES	Input confirmation	PK	Pink	
ENo RS422	Encoder 0-pulse 0/0 (TTL)	EDM	Contactor Monitoring	GNYE	Green/Yellow	
PT	Platinum measuring resistor	ENARS422	Encoder A/Ā (TTL)		•	

Measuring field X, Z





X = Measuring Range









