



1) Tightening torque



Basic features

Approval/Conformity	CE cULus EAC WEEE
Chroma	Monochrome
Frame rate	max. 23.5 fps
Image resolution	5.1 MP (2464 x 2056 pixels)
Pixel size	3.45 x 3.45 µm
Sensor chip	Sony IMX264
Sensor type Vision	2/3" global shutter CMOS
Standards	IEEE 802.3af EMVA 1288 GigE Vision GenICam
Version	GigE Vision industrial camera

Electrical connection

Connection 1	GigE-Bus: M12x1-Female, 8-pin, X-coded
Connection 2	Power / IO: M12x1-Male, 12-pin, A-coded
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Current draw max.	500 mA
Operating voltage Ub	11...25 VDC PoE

Environmental conditions

Ambient temperature	0...45 °C
EN 60068-2-27, Shock	100 G, half-sine, 1000 pos., 1000 neg., X, Y, Z
EN 60068-2-6, Vibration	15 G, 10 - 500 Hz, 5h X, Y, Z
IP rating	IP67
Relative humidity	20...80%
Storage temperature	-20...60 °C

Functional Characteristics

Binning	1x1, 2x2, 4x4, 8x8, 16x16
Data storage	64 MB
Decimation	1x1, 2x2, 4x4, 8x8, 16x16
Exposure time	20 µs...20 s
Filter	Cover glass
Image formats	Mono8 Mono10 Mono12 Mono14 Mono16 Mono12Packed Mono12p
MTTF (40 °C)	11.7 a
Trigger mode	Free run Hardware trigger Software trigger

Material

Housing material	Aluminum, Powder coated, Painted
Housing material, surface protection	Powder coated Painted

Mechanical data

Dimension	40 x 40 x 68.7 mm
Lens mount	C-Mount
Weight	140 g

Output/Interface

Digital inputs	4x PNP galvanically isolated
Digital outputs	4x PNP galvanically isolated
Interface	Gigabit Ethernet, POE

Remarks

Not included in the scope of delivery: camera lens, filter, light, connection cable – see www.balluff.com

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Connector Drawings

