Pin Assignment Data Interface

Pin Assignment Process Interface
(on camera side)

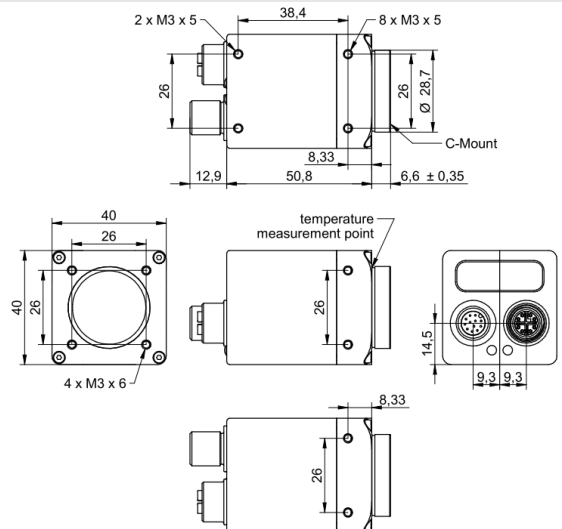| wire colors on connecting cables (ordered separately)			
1	brown	2	blue
3	white	4	green
5	pink	6	yellow
7	black	8	grey
9	red	10	violet
11	grey-pink	12	red-blue

Device Temperature: T = Measurement Point

LED Signalling

Interfaces and Connectors

Data and Power Interface	Gigabit Ethernet	Transfer Rate	1000 Mbits/sec
	Fast Ethernet	Transfer Rate	100 Mbits/sec
	Connector:	M12 / 8-pol x-coded (SACC-CI-M12FS-8CON-L180-10G)	
	Assignment:	1 - MX1+	2 - MX1-
		3 - MX2+	4 - MX2-
		5 - MX4+	6 - MX4-
		7 - MX3-	8 - MX3+
Process Interface	Connector:	M12/12-pin a-coded (SACC-CI-M12MS-12CON-L180)	
	Assignment:	1 - Power Vcc	2 - GND (Power)
		3 - IN1 (Line0)	4 - OUT1 (Line4)
		5 - IN2 (Line1)	6 - OUT2 (Line5)
		7 - OUT3 (Line6)	8 - IN3 (Line2)
		9 - OUT4 (Line7)	10 - IN4 (Line3)
		11 - GND (IO)	12 - Power (IO)

Optical Data

Lens Mount	C-Mount
Optical Filter	IR cut filter

Mechanical Data

Housing	aluminum, hard anodized
Protection Class	IP40 (with mounted lens and GigE cable)
	IP54 (with mounted lens and GigE cable)
	IP65/67 (with mounted tube and cable)
	IP69k (with stainless steel housing system)
Weight	137 g
Dimensions	

Environmental Data

Storage Temperature	-30 °C … + 70 °C
Operating Temperature *)	-30 °C … +70 °C @ T = Measurement Point or -30 °C … +75 °C @ internal Temperature Sensor Note: Ambient temperature above 45 °C requires heat dissipation measures. The sensor specification ensures unrestricted use from an operating temperature greater than -10 °C. Use at temperatures lower than -10 °C may result in disturbed image acquisition
Int. Temperature Sensor	yes, accuracy: ±2 °C (typ) -40 °C … 0°C ±1 °C (typ) 0 °C ... +85 °C
Humidity	10 % … 90 % non-condensing

*) the maximum temperature for Sony sensor characteristics (sensor performance) are guaranteed from -10 °C up to 55 °C @ Measurement Point or from -10 °C up to 59 °C @ internal temperature sensor

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3

The Information in this document is subject to change without notice.
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