Pin Assignment Data Interface

Pin Assignment Process Interface
(on camera side)

wire colors on connecting cables (ordered separately)			
1	White	5	Grey
2	Brown	6	Pink
3	Green	7	Blue
4	Yellow	8	Red

Device Temperature: T = Measurement Point

LED Signalling

Interfaces and Connectors

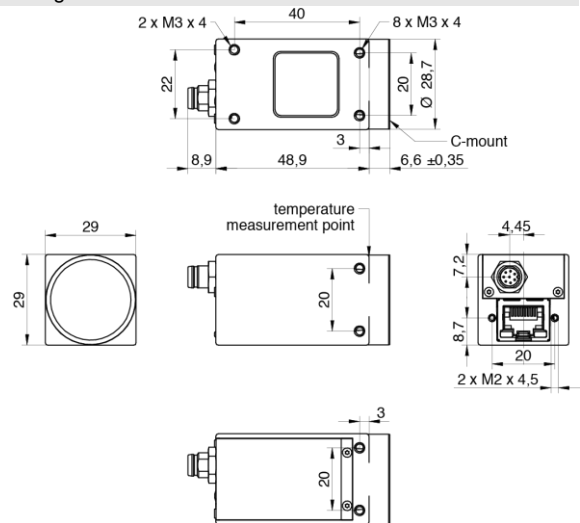| Data and Power Interface	Gigabit Ethernet	Transfer Rate	1000 Mbits/sec
	Fast Ethernet	Transfer Rate	100 Mbits/sec
	Connector:	8P8C Modular Jack (RJ45), screw lock type	
	Assignment:	1 - MX1+	2 - MX1-
		3 - MX2+	4 - MX3+
		5 - MX3-	6 - MX2-
		7 - MX4+	8 - MX4-
Process Interface	Connector:	M8/8-pin (SACC-DSI-M8MS-8CON-M8-L180)	
	Assignment:	1 - GPIO (Line2)	2 - Power Vcc
		3 - IN1 (Line0)	4 - GND IN1
		5 - Power VCC OUT	6 - OUT1 (Line3)
Caution		7 - GND (Power, GPIO)	8 - GPIO (Line1)
	⚠	* Note GPIOs: Ground loops are to be avoided and can lead to destruction of the device.	

Optical Data

Lens Mount	C-Mount
Optical Filter	IR cut filter

Mechanical Data

Housing	Zinc die casting, baked varnish (until 02-2020 nickel-chrome-plated)
Protection Class	IP40 (with mounted lens and GigE cable)
Weight	120 g
Dimensions	

Environmental Data

Storage Temperature	-10 °C … + 70 °C
Operating Temperature *)	0 °C … +65 °C @ T = Measurement Point or 0 °C … +75 °C @ internal Temperature Sensor Ambient temperature above 32 °C requires heat dissipation measures.
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 up to 50°C @ Measurement Point or 56°C @ internal temperature sensor

LED Signalling

LED	LED 1	Green static	Link ON
		Green flash	RX active
	LED 2	Yellow static	Error
		Yellow flash	TX active