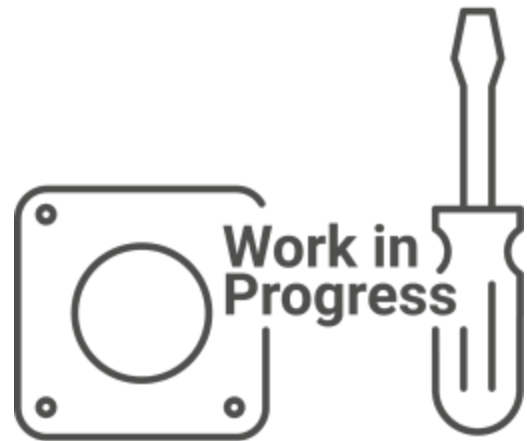




a **TKH Vision** brand

FX0 100GigE

fxo925C100GE



LED
4 INTEGRATED
LED-CONTROLLERS

SEQ
INTEGRATED
SEQUENCER

STT
SAFE TRIGGER
TECHNOLOGY

PLC
PROGRAMMABLE
LOGIC CONTROL

Please note: This product is preliminary.
Technical specifications might change.

Specifications

Resolution [MP]	24.5 MP
Resolution (h x v)	5312 x 4608 px
Frame rate (max.)	443 fps
Chroma	color
Interface	100GigE (QSFP28)

Sensor

Sensor	IMX925-AQJ-C
Manufacturer	Sony
Sensor type	Area CMOS
Shutter type	global shutter
Sensor size (h x v)	14.55 x 12.63 mm
Optical diagonal	19.27 mm
Sensor format	19.3 mm (Type 1.2)
Pixel size (h x v)	2.74 x 2.74 µm

Camera

Exposure modes	MANUAL;AUTO
Exposure time (min)	4 µs
Exposure time (max)	10 sec
Pixel format / max	bayer8, bayer10, bayer12 / 12 bit
Gain modes	manual, auto
Internal memory	32768 MB SDRAM, 256 MB Flash

Feature Set

Manual white balance	yes
Automatic white balance	yes
AOI	yes
LUT	yes
Offset	yes
Binning	yes
Image flip	yes
Sequencer	yes
RDMA RoCE v2	yes
PTP	yes
Color Transformation Control	yes

Housing

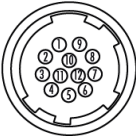
Lens mount	C-Mount
Dimensions (w x h x d)	58 x 58 x 101 mm
Weight	400 g
Operating temperature (housing)	-10 to 60 °C
Protection class	IP30
Filter-/Coverglass	IR-Cut 680

I/O-Interfaces

Input up to 24V	2 x
Input OPTO	1 x
Output open drain	4 x
I/O RS-232	1 x
Power supply	10 to 25 V (DC)
Power consumption	30 W (dep. on operating mode)

Pinout Mating Connector

Hirose 12 Pin



1	VIN –	(GND)	7	OUT 1	(open drain)
2	VIN +	(10 V to 25 V DC)	8	OUT 2	(open drain)
3	IN 4	(RXD RS232)	9	IN 3 +	(opto In +)
4	OUT 4	(TXD RS232)	10	IN 3 –	(opto In –)
5	IN 1	(0 - 24V)	11	OUT 3	(open drain)
6	IN 2	(0 - 24V)	12	OUT 0	(open drain)

