Allied Vision

chromaPIXA Camera Link

chromaPIXA 4k

General

Model	chromaPIXA 4k
Product code	CP000584-4096
Product series	chromaPIXA Camera Link
Status	Available

Sensor

Sensor type	Line scan 2D
Chroma	Color
Spectrum	Visible
Spectral range	1000 nm to 1000 nm
Resolution	4,096 × 3 lines
Sensor architecture (material)	ccd

Pixel formats

Data format	3× 8/10 Bit color
Sensor bit depth	14-bit

Timing and gain

Max. line rate tri-linear	50 kHz

I/Os and power

I/O connector	External IO (15 pin D-Sub, female)
Power supply	12 to 24 VDC
Power consumption	External: 19 W

Mechanical properties

Body dimensions (L x W x H in mm)	102 × 77 × 100
IP class	IP50
Lens mount(s)	-
Weight	1000 g

On-board memory and FPGA

Non-volatile memory (Flash)	4 KByte

Interfaces

Digital interface	camera link @ 85 mhz full, medium, base
Interface connector	Camera Link (MDR)
Vision standard	Camera Link

FW features - image control

Exposure modes	manual
Gain modes	manual, auto
White balance modes	manual, auto
Image control features	Brightness and Contrast, Gamma, Flash (Multi field imaging)

FW features - camera control

Camera control features	Yes