Allied Vision

3DPIXA

3DPIXA pro dual 5µm HR



General

Model	3DPIXA pro dual 5µm HR
Product code	CP000520-D02-005-0035
Product series	3DPIXA
Status	Available

Sensor

Sensor type	Line scan 3D
Chroma	Color
Spectrum	Visible
Spectral range	1000 nm to 1000 nm
Sensor architecture (material)	ccd

Pixel formats

Data format	3× 8 Bit color

Timing and gain

Max. line rate tri-linear	29 kHz

I/Os and power

I/O connector	External IO (15 pin D-Sub, female)
Power supply	12 to 24 VDC
Power consumption	External: 38 W

Operating conditions

Operating temperature (housing)	0 °C to 60 °C (housing)

Mechanical properties

IP class	IP50
Lens mount(s)	-
Weight	12000 g

On-board memory and FPGA

Non-volatile memory (Flash)	4 KByte
User data memory	No separate memory space

Interfaces

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

Line-scan 3D properties

Optical resolution	5 µm/pixel
Field of view	35 mm
Height range	0.5 mm
Max. speed 3D	148 mm/s

FW features - image control

Exposure modes	manual
Gain modes	auto, manual
White balance modes	auto, manual

FW features - camera control

Trigger modes/sync	encoder, external, external-trigger, frame-trigger, freerun, internal, line-trigger, software, software-trigger