Optronis

Make time visible

MACHINE VISION CAMERA

CamPerform

CP70-1HS-M/C-1900

- ☑ METROLOGY
- ☑ 2D/3D AOI
- ☑ INLINE INSPECTION

- 1900 fps with 1280x860 pixels with 8 bit A/D conversion
- New DIN 1.0/2.3 connectors with thread lock
- CoaXPress interface with 25 Gbit/s
- Power and trigger via CoaXPress
- EMVA1288 standard

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CamPerform CP70-1HS-M/C-1900

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MODEL OPTIONS

Article number	Description
CP70-1HS-M-1900	monochrome Camera
CP70-1HS-C-1900	color Camera
CP70-CM	C-Mount lens adapter
CP70-FM	F-Mount lens adapter
CP70-PTC	Pig tail cable for sync

PERFORMANCE (EXAMPLES)

Resolution (HxV)	Frames/second
1280 x 860	1981 fps
1280 x 720	fps
640 x 480	6168 fps
256 x 256	11175 fps
1280 x 4	

STANDARDS

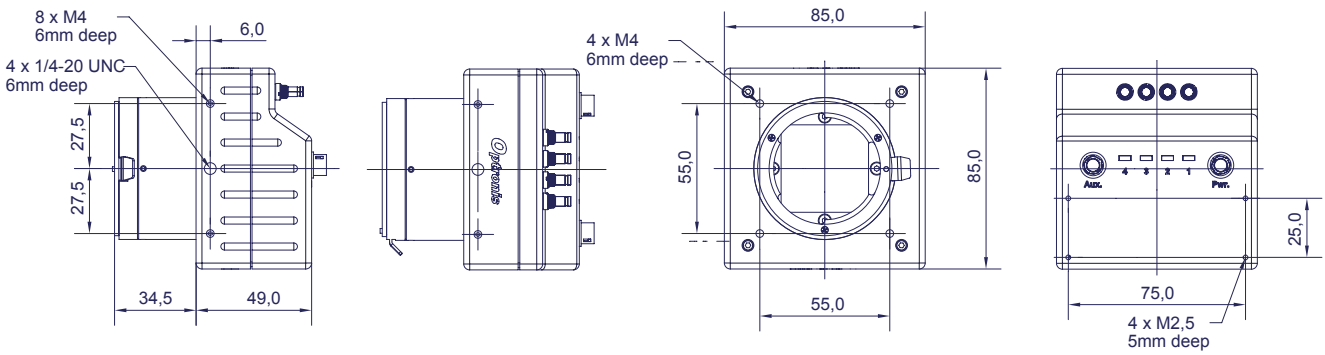
Conformity (documents available on request)	
EMVA1288	Version 3.0
CoaXPress	Version 1.1
GenICam	Fully supported
Shock & Vibration	DIN EN 60721-3-2
ISO	9001:2015
Conformity	CE, RoHS

CoaXPress · 1288 EMVA Standard Compliant · Gen<i>Cam · DIN endurance testing · Quality Management ISO 9001 DEKRA certified

SPECIFICATIONS

Sensor resolution	1280 x 860 Faster frame rates with smaller Y window size;
Frame rate @ max. sensor res.	1981 fps
Image sensor	LUX13HS Global Shutter CMOS
Exposure time	2 µs - 1/Framerate
Active area	17.536 mm x 11.782 mm
Sensor diagonal dimension	21.126 mm
Pixel size	13.7 µm
A/D conversion	8 Bit
Dynamic	TBD dB
Sensitivity	25 V/lux*s @550 nm
Gain	analog 1x
Saturation capacity (FWC)	20000 e-
SNR	TBD dB
DSNU1288	TBD e-
PRNU1288	TBD %
Non-linearity error	< TBD %
Shutter efficiency	global electronic shutter
Trigger signal	TTL, 3.3 - 5 V, 10 mA, optically isolated
Trigger modes	internal free-run, external, CXP
Interface	CoaXPress (4 Channel, CXP-6) DIN 1.0/2.3 connectors
Power	PoCXP (11 Watt)
Lens mount	F-Mount, C-Mount, M42 and custom
Weight	470 g without mount
Dimensions	85 mm x 85 mm x 49.0 mm (3D-Step file on request)
Housing	lightweight anodised aluminium
Scope of delivery	camera and manual

TECHNICAL DRAWING



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