

Part of the Teledyne Imaging Group



KEY BENEFITS

- » New generation of sensors 512 pixels 14µm, 1024 pixels 14µm, 2048 pixels 14µm, 4096 pixels 10µm
- » Excellent dynamic range >66dB
- » High sensitivity CCD sensor
- » Up to 12 bits depth
- » Line rate up to 210k lines/s
- » Flat field correction
- » Easy configuration
- » Interface CameraLink
- » Mechanics compact and accurate, compatible with all the AViiVA range

TYPICAL APPLICATIONS

- » Web inspection metallurgy, wood, paper, textile...
- » Process control pick and place, positioning
- » Print inspection
- » Sorting food, postal, parcel, checks...
- » Surface inspection wafers, PCB...
- » Document archiving, data archiving

The camera is the perfect choice for demanding machine vision applications with comprehensive built-in features including; automatic FCC, LUT or automatic tap balance.

The EM4 benefits from Teledyne e2v's long experience in imaging, and the proven qualities of the AViiVA family; performance, reliability and high precision mechanical design.

DETAILED SPECIFICATION

SENSOR CHARACTERISTICS					
pixels	512	1024	2048	4096	
μm	14	14	14	10	
kHz	210	126	70	37	
FUNCTIONALITIES (PROGRAMMABLE BY CONTROL INTERFACE)					
32dB					
-4096 to 4096 LSB					
Up to 6.55 ms					
Free run, external trigger					
RoHS, CE and FCC compliant					
MANCES	5				
bi	ts	8	, 10 or 12		
nm 250-1100					
%	6	< +/- 1			
d	В	> 66			
	μm kHz DGRAMN MANCES bi	µm 14 kHz 210 DGRAMMABLE BY -4 Free ROHS, 0 MANCES bits	μm 14 14 kHz 210 126 DGRAMMABLE BY CONTROL 32dB -4096 to 409 Up to 6.55 Free run, externa ROHS, CE and FCC MANCES bits 8 nm 2 %	μm 14 14 14 kHz 210 126 70 DGRAMMABLE BY CONTROL INTERFACT 32dB -4096 to 4096 LSB Up to 6.55 ms Free run, external trigger RoHS, CE and FCC compliant MANCES bits 8, 10 or 12 nm 250-1100 % <+/-1	

MECHANICAL AND ELECTRICAL INTERFACE				
Size (w x h x l)	mm	56 x 60 x 43		
Lens mount		C, F, T2, M42 x 1		
Sensor alignment	μm	better than ±100		
Power supply	V	single 12 to 24		
Power dissipation	W	< 11		
Operating temperature	°C	0 to 60 (front face)		
Storage temperature	°C	-40 to 70		
CONNECTORS				
Power	HR10 6-pin			
Control & data: Camera Link	MDR 26-pin			









