

CleverDragon 12MP

Specifications

MODEL	CSC12M25BMP19
Image sensor	CMOS Image sensor
Active pixel	4096 (H) x 3072 (V)
Active area	24.6mm (H) x 18.5mm (V) 1.9 type
Pixel size	6.0 μ m x 6.0 μ m
Scan method	Progressive
Aspect ratio	4:3
Video output	Camera Link
	Data 10 / 8 bit switchable
Frame rate	
All pixels reading	25fps (4096 x 3072)
Binning	2 (H) x 2 (V) at 30 fps (2048 x 1536)
Sub-sampling	50-200 fps
Sensitivity	2000 lx (F5.6)
Gain control	from 0 to 18 dB
Gamma	1.0
Input signal	LVDS
Electronic shutter	Global shutter, RDM shutter
Random trigger shutter	ON/OFF change
Fixed mode	Exposure depends on shutter speed
Pulse width mode	Exposure depends on pulse width
Shutter speed	
All pixels reading	1/20,000 to 2 sec
Binning	1/20,000 to 2 sec
Sub-sampling	1/20,000 to 2 sec
Window of interest	1-28 windows
Set position	H: Integral multiples of 128 column V: Integral multiples of 1 row
Size of window	H: Integral multiples of 128 column V: Integral multiples of 1 row
Power consumption	Approx 6W (in DC12V)
Lens mount	TFL-II mount
Flange back	17.5mm
External dimension	75(W) x 75(H) x 69.5(D)mm
Weight	Approx. 400g
Safety standards	CE, FCC



Typical Applications

Video image capture applications for this camera include high-speed, detail intensive machine vision, factory automation, robotics, inspection, medical/scientific and many others.

