



VALEO MOBILITY KIT

2MP FISHEYE GMSL2 CAMERA



Valeo 2MP fisheye GMSL2 camera is a perception solution developed to allow customers to use Valeo cameras with customer's favourite development platform.

Valeo's cam 2MP fisheye GMSL2 is based on mass production camera with proven robustness and quality results. This solution stands out from competition thanks to its high dynamic range, ease of use and compatibility with Nvidia computing platforms.

The kit contains all the necessary guidance to easily integrate the camera(s) in most customer platforms.

SPECIFICATIONS

CAMERA CHARACTERISTICS	
Imager	Sony IMX 390
Color Filter	RGGB
Field of view (Horizontal)	195 °
Field of view (Vertical)	153 °
Lens f#	2
Frame rate (typ.)	30 fps
Frame rate (max.)	60 fps
Resolution	1920 x 1200
Color sensor	Yes
Image resolution	2.3 Mpix
Dynamic (typ.)	12 bits
Dynamic (max.)	24 bits
Dynamic Range	120 dB
SNR (max.)	48.5 dB
Optical format (WUXGA)	1/2.6"
Pixel size	3.0 µm square pixels
Focal length	1.28 mm
Led Flicker mitigation	Yes

INTERFACE	
Output protocol	GMSL2 (Fakra code = B)
Serializer	MAXIM MAX96717F
Compression rate	NAN

POWER	
Power Supply	9-16 V
Power Consumption	< 2 W

ENVIRONMENTAL CHARACTERISTICS	
Temperature Range	-40°C to +85°C
IP	IP67 & IP69K
Vibration tolerance	IEC 600068-2-64
Schock tolerance	IEC 600068-2-64
ESD	IEC 61000-4-2 (Lv4)
Salt Spray Testing	IEC 60068-2-52 (Lv3)

PHYSICAL CHARACTERISTICS	
Dimensions W x D x H	23 x 23 x 39 mm
Weight	~21 g