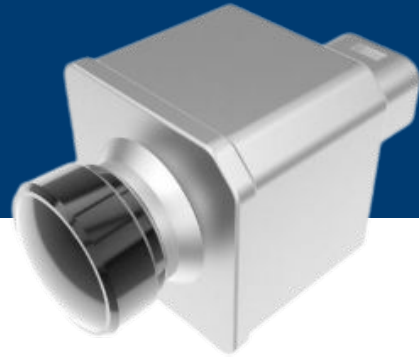




VALEO MOBILITY KIT

2MP FISHEYE BroadR-Reach CAMERA



Valeo Satellite Camera System is a plug and play kit developed to allow users to easily interface with Valeo satellite cameras to obtain the video streams and camera images.

Camera systems are key for highly automated driving thanks to the high classification capability and large field of view.

Valeo satellite cameras are automotive grade cameras that provide a H.264 video stream over a 100Base-T1 interface.

The kit contains all the necessary equipment and drivers to interface with any customer platform.



SPECIFICATIONS

CAMERA CHARACTERISTICS	
Total resolution	2.1 MP
Resolution	1632 x 1280
Frame Rate	30 fps
Field of View (Vertical)	155 °
Field of View (Horizontal)	195 °
Imager	Omnivision OVX3A
Dynamic Range	120 dB
Dynamic	12 bits
Optical Format	1/2.44"
Pixel Size	3.2 µm
Shutter Type	Rolling Shutter

PHYSICAL CHARACTERISTICS	
Dimensions H x W x D	23 x 23 x 45.5 mm
Lens Diameter	15 mm
Weight	21 g

Data	
Output	H.264 (i-Frame)

INTERFACE	
Output protocol	UDP RTC
Output interface	100Base-T1

POWER	
Power Supply	11 – 16 V DC
Power Consumption - camera only (typ.)	1 W
Power Consumption - complete kit (typ.)	2 W

ENVIRONMENTAL CHARACTERISTICS	
Temperature Range	-40°C to +125°C
IP	IP67 & IP69K

SYSTEM COMPONENTS	
Camera	1
Harness	1
100Base-T1 adapter	1