



Satellite Camera System

GENERIC KIT



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	2.46 MP
Resolution (Pixel)	1920 x 1280
Frame Rate	30 fps
Horizontal Field of View	195°
Vertical Field of View	155°
Color Filter Array	RGB Bayer
Dynamic Range	120 dB
Dynamic	12 bit
Optical Format	1/2.44"
Pixel Size	3.2 µm
Shutter Type	Rolling Shutter

POWER	
Power Supply	11 – 16 V DC
Power Consumption – Camera only (typ.)	1 W
Power Consumption – Complete kit (typ.)	2 W

ENVIRONMENT CHARACTERISTICS	
Operating Temperature Range	-40°C to +125°C
Camera Protection Class	IP67 & IP69K

PHYSICAL CHARACTERISTICS	
Camera Dimensions	23 × 23 × 45.5 mm (H × W × D)
Lens Diameter	15 mm
Camera Weight	21 g

Interface	
Ethernet	100Base-T1

System Components	
Camera	1
Harness	1
100Base-T1 Adapter	1

Data	
Output	H.264 (i-Frame)

The kit includes 1 camera, harness and an adapter

