

VVS-2020

Vehicle vision system

VVS-20 is an optoelectronic system intended for vehicles with a need for additional driver safety. It offers high quality spatial awareness, with an emphasis on enhanced depth of field, giving the driver a natural view of the surrounding area. The system is also equipped with a thermal camera, providing better sight during low visibility conditions and nighttime driving.

Technical characteristics :

Frontal dual lowlight camera and rear camera

- | | |
|---------------------|--------------------------------|
| • Image sensor | 1/1,18 inch
16:9 CMOS, 2MP |
| • Resolution | 1920x1080 px,
output 800TVL |
| • Min. illumination | 0,01 lx |
| • Field of view | 60° |



Monitor panning

- | | |
|-------------------|---------------------------|
| • Operating angle | ±60° (180° viewing angle) |
|-------------------|---------------------------|

Electronics

- Controlled by microprocessor
- Controlled by microprocessor
- Head movement tracked by gyroscope

Operating conditions

- | | |
|---------------|---------------|
| • Voltage | 10-32 V |
| • Temperature | -20°C - +50°C |

Thermal camera

- | | |
|----------------------------|---------------|
| • Detector type | Uncooled, Vox |
| • Spectral range | 8-14 μm |
| • Pitch size | 17x17 μm |
| • Resolution | 640x515 px |
| • Field of view | 60° |
| • Ocular displays | 2 |
| • Diopter adjustment range | ± 4 dptr |
| • Eye relief | 20 mm |
| • Display resolution | 800x600 px |
| • Technology | OLED |

