

Blue Next digital camera LVD (1.3)

The Blue Next digital camera LVD is a HDR-CMOS image sensor camera with LVDS data interface. The camera has a cubic housing layout with HSD connector. Key feature is its very high thermal and mechanical stability. The camera is resistant against harsh environmental conditions like mechanical shocks, vibrations and hazardous atmospheres. Due to its IP6K9K housing the camera is also suitable for outdoor applications.



Features

- LVDS data interface
- 12 VDC
- Low power consumption
- Wide range of fixed focus optics available
- HFoV_{Min}= 52°
- HFoV_{Max}= 192°
- Water tight optic with anti-scratch
- IP6K9K protection class
- Extended operating temperature
- T_{Min}= -40°C
- T_{Max}= +85°C

Applications

- Front view, rear view, area view and blind spot detection
 - Cars
 - Heavy trucks
 - Forklifts
 - Agriculture equipment
 - Mining machines

Certificates

- ISO/TS 16949

Contact

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Specifications

Parameter	
Power supply	$V_{DC\ IN} = 12VDC$
Current consumption	140mA @12VDC and 60 fps
Operating temperature	-40 °C ... +85 °C
Storage temperature	-40 °C ... +85 °C
Water resistance	IPX7, IPX9K (only front side of the camera)
Dust resistance	IP6KX

Technical data

Parameter	OmniVision imager
Sensor type	1/2.56 inch HDR-CMOS sensor OV10640 1.3 MPix (1280 x 1080) QVGA and any cropped size
Sensitivity	Dynamic range: > 100 dB Max. S/N ratio: 41.5 dB
Data interface	FPD-link III serializer DS90UB953Q 10-100 MHz 10/20-bit DC-balanced Bi-directional (I ² C-controller interface at 400 kHz)
General camera parameter	Automated gain control (AGC) High dynamic range (HDR) Automated white balance (AWB) Shutter: Electronic rolling shutter (ERS)
Optics	52° ±2° horizontal field of view 105° ±2° horizontal field of view 192° ±3° horizontal field of view Anti-reflection coating (ARC), anti-scratch