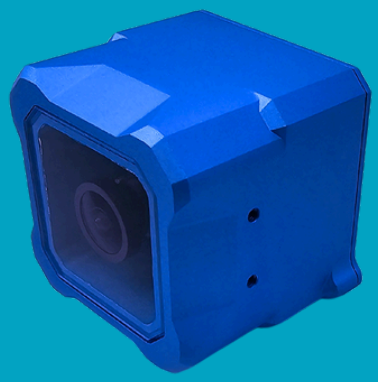
Eagle AI

GMSL2 Machine Vision cameras

DESCRIPTION

Eagle AI is part of the latest generation Materia's GMSL Machine Vision cameras featuring 8 MegaPixels, 90 Fps and cutting edge technologies such as HDR, Pixel Binning and Variable Shutter Speed.
The mounted sensor is Sony's IMX715, part of back-illuminated Starvis® sensors family, delivering leader performance in difficult light conditions.
Eagle can mount tailored or non-tailored lenses via S Mount Optics (M12).



SENSOR SPECIFICATIONS

Model: IMX715
Series: Starvis ®
Shutter Type: Rolling Shutter
Type: Color

Resolution: 3840 (H) x 2160 (V) 8,3 Mpixels
Size: 1/2.8" CMOS
Frame rate: All-pixel scan mode: 12 bit: 60 fps, 10 bit: 90 fps
HDR : Yes
Binning option: 4 to 1, 1920 (H) × 1080 (V), 2,07 Mpixels
Coating: Anti-reflective coating glass

INTERFACE SPECIFICATIONS

Interface: GMSL2, up to 6 Gbps
Cable: Coaxial, up to 15 meters
Connector: Fakra Z
PoC (Power Over Coaxial)

- 12V PoC
- 1 cable for Power & Signals
- Full-Duplex
- Easy to install

PHYSICAL CHARACTERISTICS

Hw Dimensions: 45mm x 45 mm x 45mm
Temperature range: -20°C to 60°C
Case: Custom IP69K case (Optional)

BOARD FEATURES

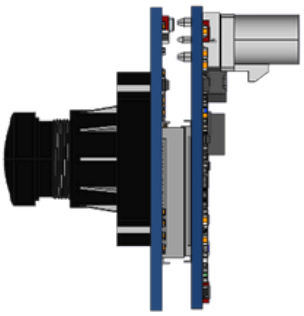
3-Axis MEMS accelerometer

- Precision: 14 bit
- Range: ± 2G
- Bandwidth: 800Hz
- Embedded temperature sensor

1Kb EEPROM

OPTICS

Mount: M12
FOV: From 90° to 175°
Distortion: Low distortion lenses and Sunex Tailored® lenses (Optional)
IR filter: Yes
Protection: Up to IP69K
Materials: Aluminium, Glass



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