

# LUCID Triton Smart

**Triton Smart:** Intelligent Vision Camera using IMX501, Sony's intelligent vision sensor.

- IP67 GigE Vision camera
- Dimensions: 29 x 29 x 45mm
- Lens Mount: C-Mount



**IMX501:** a 12.3MP rolling shutter image sensor with AI processing functionality

- 4056 x 3040, 12.3MP, 1.55um x 1.55um – Optical format: 1/2.3"

Logic chip with AI processing capability

- DSP (Digital Signal Processor) dedicated to AI signal processing.
- ISP (Image Signal Processor) for pre-processing of the image acquired by the pixel chip.
- Memory for the AI model.

Main benefits

- Easy to use and ready to deploy with Neurala Brain Builder (sold separately)
- Reduced data bandwidth (if only inference result is needed)
- Cost effective

