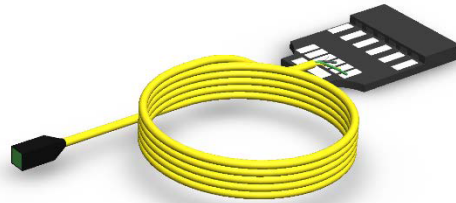


Medical Camera Module for Single-Use Endoscopes

Model : OM-166



Features

- Optical size of 1/18"
- Pixel size 1.75µm
- Tiny dimension 1.05 x 1.05 mm
- Analog output
- Low power consumption
- Automatic welding process

The OM-166 model is a low voltage, high performance CMOS image sensor.

This cutting edge sensor provides full-frame analog images in RAW RGB format via the control of the serial peripheral interface (SPI). It captures high quality 400 x 400 resolution video at 30 frames per second (fps).

Furthermore, OPCOM offers automatic module welding technology to streamline the manufacturing process, facilitating the installation of LEDs into the module.

Our technology can assist in yielding a faster time-to-market, whilst remaining the industries' most cost-effective solution for single-use endoscopes.

SPECIFICATION	
Effective Pixel	400 x 400
Frame Rate	30 fps
Size (W*H*L)	1.05 x 1.05 x 4 mm
Field of View	120° ± 6°
Depth of field	3-50mm
Cable Outer Diameter	Φ0.55mm
Cable Length	2.5M (default) 5M (max)

OPCOM Medical

Founded in 2022, OPCOM Medical is located in Taiwan and is a subsidiary of OPCOM Inc, which has an excellent track record in producing camera systems for more than 30 years.

OPCOM Medical provides customers with complete turn-key solutions for single-use endoscopes; From component selection, design proofing, regulatory compliance, project management and flexible manufacturing capacities.

On top of those core competences, OPCOM Medical is also a ISO13485:2016 certified company and has ISO class 8 (100,000) clean room assembly facilities available.

