

OH02B20

2-Megapixel Product Brief



1/7.603" Color 2-Megapixel (1500 x 1500) CMOS Image Sensor with PureCel®Plus-S Technology

The OH02B20 is a square 2-megapixel, 1500 x 1500 resolution, CMOS image sensor for gastrointestinal, ENT, orthopedic, surgical, dental, and veterinarian reusable and single-use endoscopes, catheters, and guide wires.

The miniature square form factor of the OH02B20 saves space for higher resolution in smaller designs. It allows endoscopes to have a smaller outer diameter (6 mm) or larger working channels for advanced endoscope designs.

The OH02B20 is based on OMNIVISION's latest PureCel®Plus-S stacked-die technology, enabling high functionality in the smallest possible die size.

The OH02B20 is autoclavable and does not require tuning or calibration.



Applications

- Endoscopes

Features

- **Active array size:** 1516 x 1516
- **Maximum image transfer rate:**
  - 1500 x 1500: 60 fps
- **Output interfaces:** AntLinx® FOURWIRE / FIVEWIRE interface with speeds up to 1.6 Gbps
- **Output formats:** 10-bit RGB RAW
- **Lens size:** 1/7.603"
- **Pixel size:** 1.116 µm x 1.116 µm

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