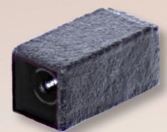




Shenzhen Sunnywale Inc.; www.sunnywale.cc



datasheet

PRELIMINARY SPECIFICATION

1/18" color CMOS analog 490 Kpixel (700 x 700) CameraCubeChip™
with PureCel®Plus-S technology

OCHFA10-RAJA

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version 1.02
february 2022

To learn more about OmniVision Technologies, visit www.ovt.com.

applications

- disposable medical, dental, veterinarian and industrial endoscopes

ordering information

- OCHF10-RAJA-001A-Z** (color, lead-free)
4-pin CameraCubeChip™

features

- optical size of 1/18"
- analog output
- single 3.3V power supply
- on-chip PLL
- serial peripheral interface (SPI)
- exposure and gain control
- pseudo-global shutter (LED mode)
- PureCel®Plus-S pixel structure
- improved sensitivity, FWC, zero blooming, low noise, and low power consumption
- enhanced NIR sensitivity
- square aspect ratio
- minimum package size (total 4 pads)
- non-autoclavable
- 4m drive distance

key specifications (typical)

- active array size:** 700 x 700
- power supply:**
analog: 3.3V \pm 5%
- power requirements:** 25 mW (with 10 consumption)
- temperature range:**
operating: -20°C to 70°C junction temperature
stable image: 0°C to 50°C junction temperature
- output formats:** analog signal output
- optical size:** 1/18"
- diagonal field-of-view (FOV):** 120° \pm 3°
- f no.:** 5.0
- focal length:** 0.418 mm
- maximum exposure:** 2480 x T_{line}
- minimum exposure time:** 0.36 ms
- scan mode:** progressive
- frame rate:**
490 Kpixel (700 x 700): 30 fps
360 Kpixel (600 x 600): 40 fps
160 Kpixel (400 x 400): 60 fps
- max S/N ratio:** TBD
- dynamic range:** TBD
- sensitivity:** TBD
- color mosaic:** RGB Bayer pattern
- pixel size:** 1.008 μ m x 1.008 μ m
- image area:** 733.824 μ m x 733.824 μ m
- net weight:** TBD
- package dimensions (including ball height):**
1075 μ m x 1075 μ m x 2241 μ m

想要完整的规格书，请联系站长微信：9308762/For the complete specification document, please contact the webmaster via WeChat: 9308762