

TCA20F Camera Microscope 20MP USB3.0

Product Details

Manufacturer: Colo Lab Experts

COLO CODE:



Technical Specification

The TCA20F uses 20MP back-illuminated CMOS sensor for high resolution with high quantum-efficiency. It uses a 1" class sensor (13.3mm x 8.9mm, 15.8mm diagonal) to maintain larger well-capacity at the high resolution.

The inverted structure of the back-illuminated CMOS sensor places the photo-sensitive substrate of the sensor in front of the electronic components, further improving light-gathering ability.

The chassis features a software-controllable thermoelectric cooling-system for regulating its temperature, minimizing noise during image-capture.

With a large 1-inch sensor, this camera is best-suited for microscopes with a direct C-mount interface. When using with a 23mm port, the RU100 C-mount lens is recommended to avoid vignetting.

Camera

- Application: PC & Mac Display
- Connectivity: USB 3.0
- Mounting size: C-Mount
- Pixel: 20.0MP
- Sensor: CMOS
- Type: Brightfield, Darkfield, Fluorescence
- Compatibility: PC & Mac

Frame rates:

- 5fps@5440x3648
- 10fps@4096x2160
- 15fps@2736x1824
- 30fps@1824x1216

Packing List:

- One 20MP USB3.0 Digital Camera
- One Reduction Lens
- One 6' (1.8m) USB Cable
- Two Adapters: 30mm and 30.5mm
- One CD with Software and User's Instructions

Optional Accessories