

## 3.0 MP Digital Microscope CMOS Camera

Model	TCA-3.0C PACK
Sensor	Micron
Sensor Size	½ in
Pixels	2.8 Micron x 2.8 Micron
Resolution	2048H x 1536V
Filter	RGB Bayer
Lens Interface	C/CS mount
Maximum fps	8 fps (2048x1536) 30 fps (640x480)
RGB	8 bit
Exposure control	Automatic/manual
Exposure Time	1ms-0.3S
Sensitivity	1.0V/Lux-S (550nm)
S/N Ratio	44dB
Dynamic Range	>71db
Data Interface	USB2.0/480MB/S
USB Cable	1.8 meter
Electricity Input	Through USB 2.0
Dimension	65 x 86 x 37 mm (H x B x T)
Weight	220g
Operational Temperature	0-60°C
Storage Temperature	-20 ~ +70°C
Operational Humidity	45% - 85%
Program Control	Image size, Gain, Brightness, Exposure time, Color
Program Image Processing Capability	Crop, Contrast, Mirror, Invert, Rotate, Flip, Length, area, angle measurement

### Features:

- 3.0 MP resolution (2048 x 1536)
- Non-compressed image output to be viewed and recorded on PC via standard software
- Standard C-mount and adaptor allows camera to be used on most microscope eyepiece and trinocular port on market



### TCA-3.0C PACK comes with:

- TCA-5.0C Digital CMOS camera (standard C-mount w/1.8m USB cable)
- TCN-0.5 Reduce Lens w/23, 30, 30.6mm direct insert interface
- .01 mm micrometer
- Driver installation CD
- Carton Package



## 5.0 MP Digital Microscope CMOS Camera

Model	TCA-5.0C PACK
Sensor	Micron
Sensor Size	1 / 2.5 in
Pixels	2.2 Micron x 2.2 Micron
Resolution	2592H x 1944V
Filter	RGB Bayer
Lens Interface	C/CS mount
Maximum fps	8 fps (2592x1944) 30 fps (640x480)
RGB	8 bit
Exposure control	Automatic/manual
Exposure Time	1ms-0.3S
Sensitivity	0.53V/Lux-S (550nm)
S/N Ratio	40.5dB
Dynamic Range	>60db
Data Interface	USB2.0/480MB/S
USB Cable	1.8 meter
Electricity Input	Through USB 2.0
Dimension	65 x 86 x 37 mm (H x B x T)
Weight	220g
Operational Temperature	0-60°C
Storage Temperature	-20 ~ +70°C
Operational Humidity	45% - 85%
Program Control	Image size, Gain, Brightness, Exposure time, Color
Program Image Processing Capability	Crop, Contrast, Mirror, Invert, Rotate, Flip, Length, area, angle measurement

### Features:

- 5.0 MP resolution (2592 x 1944)
- Non-compressed image output to be viewed and recorded on PC via standard software
- Standard C-mount and adaptor allows camera to be used on most microscope eyepiece and trinocular port on market



### TCA-5.0C PACK comes with:

- TCA-5.0C Digital CMOS camera (standard C-mount w/1.8m USB cable)
- TCN-0.5 Reduce Lens w/23, 30, 30.6mm direct insert interface
- .01 mm micrometer
- Driver installation CD
- Carton Package



## 3.3 MP Digital Microscope CCD Camera

Model	TCC-3.3ICE-N
CCD Chip Manufacturer	Sony
CCD Size	1 / 1.8 in
Pixels	3.46 Micron x 3.46 Micron
Resolution	2080H x 1536V
Filter	RGB Bayer
G Sensitive	455 mV
Lens Interface	Standard C-mount
Maximum fps	5 fps (2080x1536) 30 fps (640x480) Low-speed readout capable
A/D Conversion	12 bit
Peltier Cooled	-30°C below ambient
Fan	30 x 30/5000 rpm
Power Supply	5V exterior power supply
Exposure time	1 ms-60minute (auto/manual)
Angle Light Control	Yes
Data Interface	USB2.0/480MB/S
White Balance	Automatic/Manual
Electricity Input	Through USB 2.0
Dimension	100 x 81 x 48 mm (H x B x T)
Weight	480g
Operational Temperature	0-60°C
Storage Temperature	-20 ~ +70°C
Operational Humidity	45% - 85%
Program Control	Image size, Gain, Brightness, Exposure time, RGB
Program Image Processing Capability	Crop, Contrast, Mirror, Invert, Rotate, Flip, Length, area, angle measurement

### Features:

- Scientific Grade CCD Chip
- 3.3 MP resolution (2048 x 1536)
- 12 bit color RGB
- Peltier cooled to -30°C below ambient
- Angle light control function



### TCC-3.3ICE-N comes with:

- TCC-3.3ICE-N Digital CCD camera (standard C-mount w/2.58m USB cable)
- Peltier cooled power supply and cable
- Driver installation CD
- Aluminum Storage Case