

COLOR COOLED MICROSCOPE CCD TCH-5.0 ICE 5 MP

2/3 scientific grade ccd chip
 5.0M pixels resolution (2580*1944)
 Peltier cooled to -30°C below ambient
 Angle light control function, obtaining a long fluorescence image
 CNC aluminum alloy metal case, No dew



Application :

Bioscience, GEL documentation Solar cell/EL detection FITC,
 FRET Machine Vision Bio- &Chemi- Luminescence Biochip
 reading Ophthalmology Fluorescence spectroscopy

Specification:

Model	TCH-5,0
CCD chip manufacturer	Sony
CCD chip model	ICX282AQ
CCD scan mode	Interline
CCD size	2/3 inch
Pixels	3.4micron x 3.4micron
G sensitivity	280mV
Resolution	2580H x 1944V
Filter	R, G, B
Optical port	standard C-mount
Maximum fps	3 fps (2580 x 1944)/10 fps (1280 x 932)
Low-speed readout	Yes
A/D conversion	12 bit
Peltier cooled	-30°C below ambient
Power supply	3.5V exterior power supply
Exposure control	automatic/manual
Exposure time	0.1ms-60minute
Angle light control	Yes
White balance	automatic/manual
Parameter	image size,bright,gain,exposure,RGB
Data interface	USB2.0/480Mb/s
USB cable	1.8 meter
USB power supply	USB2.0
Dimension	130mm*111mm*54mm (HXBXT)
Weight	920g
Operational temperature	0-60°C
Operational humidity	45-85%
Storage temperature	-20-70°C

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