

## Technical Specification of Flexia Definition with Digital USB and Analogue PAL image sensor

### Flexia Definition Digital (USB)

Image Sensor	• 1/2.5" C-MOS solid state colour image sensor.
Number of effective pixels	• 2592Hx1944V pixel (5.0 MP)
Pixel Size	• 2.2µm(H)×2.2 µm (V)
Interface	• USB2.0 serial bus
Drivers	• MS-windows Direct Show compatible
Frame Rate	• 5.9fps @ full resolution, 13.2 fps @ 1920x1080
Scan Mode	• Progressive
Camera software controls	• Exposure (Auto and manual gain & time), White balance, Resolution.
Illumination	• Built-in RingLight with dimmer, 12 white LEDs with or without polarizer
Optics	• 1 to 100x varifocal lens. 100x, 170x and 250x and 500x fixed focal length lenses.
Software	• OptiPix Image view and capture with basic measurement
Storage Environment	• -20° – +60° C, Max 98% RH, non-condensing
Operating Environment	• 0° – +45° C, Max 95% RH, non-condensing
Power Source	• 5.0 VDC, 450 mA minimum powered via USB port
Size (w/o lens)	• 100x55x36 mm (LxHxW).
Size (with varifocal lens)	• 145x55x36 mm (LxHxW).
Weight (w/o lens)	• 290 gr. Max.
Weight (with varifocal lens)	• 350 gr. Max.

### Flexia Definition Analogue (PAL)

Image Sensor	• Interline 1/4" CCD solid state colour image sensor
Number of effective pixels	• 752Hx582V pixel (437 664 pixel)
Video Signal	• Composite PAL, 1 V t-t/75 Ω
Horizontal Resolution	• 520 TV lines
Vertical Frequency	• 50 Hz
Illumination	• Built-in RingLight with dimmer, 12 white LEDs with or without polarizer
Optics	• 1 to 100x varifocal lens. 100x, 170x and 250x and 500x fixed focal length lenses.
Storage Environment	• -20° – +60° C, Max 98% RH, non-condensing
Operating Environment	• 0° – +45° C, Max 95% RH, non-condensing
Power Source	• 55.0 VDC, 450 mA minimum via power supply
Size (w/o lens)	• 100x55x36 mm (LxHxW).
Size (with 20-50x varifocal lens)	• 145x55x36 mm (LxHxW).
Weight (w/o lens)	• 290 gr. Max.
Weight (with 20-50x varifocal lens)	• 350 gr. Max.

