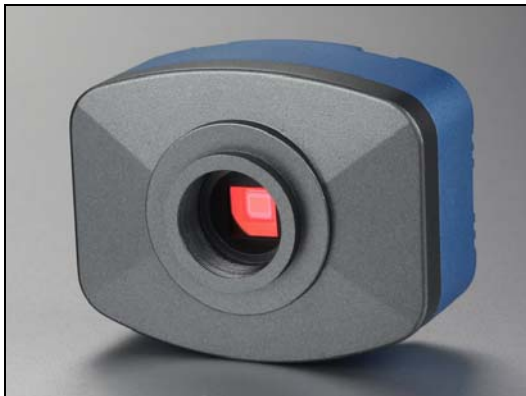


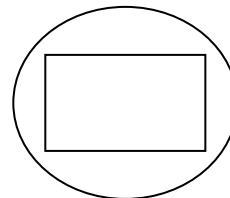
MICROTEC DIGITAL MICROSCOPE CAMERAS



There are three types of Microtec Digital Colour Camera available. They offer different resolutions. The specifications are as follows:

	MDC-3C	MDC-5C	MDC-9C
Sensor	½ inch	1/2.5 inch	1/2.3 inch
Pixel Size	3.2 x 3.2µm	2.2 x 2.2µm	1.75 x 1.75µm
Resolution	2048 x 1536	2592 x 1944	3488 x 2616
Max frame rate (fps)	11fps at 2048*1536 30fps at 640*480	8fps at 2592*1944 30fps at 640*480	3fps at 3488*2616 30fps at 640.480
Sensitivity at 550nm	1.0V/Lux-sec	0.53V/Lux-sec	0.44V/Lux-sec
S/N Ratio	43dB	40.5dB	40.5dB
Dynamic Range	>61dB	>60dB	>63dB
Filter	RGB Bayer Pattern		
Output RGB	8 bit		
Exposure control	Auto/Manual		
Exposure time	1ms – 0.3s		
White balance	Auto/Manual		
Scan mode	Progressive		
Lens mount	C - mount		
Interface	USB2.0/480Mbs		
Control	Image size, Brightness, Gain. Exposure time, RGB		
USB cable	1.8M		
Power supply	USB2.0		
Operating Temp	0-60°C		
Humidity	45% - 85%		
Storage Temp	-20 to 70°C		

When attaching these cameras to a microscope it is desirable to capture the maximum amount of visual field in the camera. This is achieved with these MDC cameras by have a camera microscope C-mount connector 0.5x.



Each camera comes with a 0.5x C-mount adapter, with tube adapter to enable the adapter to fit eyepiece tubes 23mm, 30mm & 30.5mm diameter. Alternatively the cameras can be fitted to the C-mount adapters offered by the microscope manufacturer.

Measuring – The software to drive the camera includes facilities to measure length, area, angles, to count and to label.

A calibrating stage micrometer is included with each camera.

Selecting the camera – The resolution of the camera required depends on the size and quality required of the images. The following table gives a guide to the maximum size of images that can be obtained with these cameras

Camera	Computer Screen 96ppi	Computer Printer 200ppi	Publishing Quality 300ppi
MDC-3C	21 x 16 inches	10 x 7.5 inches	6.5 x 5 inches
MDC-5C	27 x 20 inches	13 x 9.5 inches	8.5 x 6.5 inches
MDC-9C	36 x 27 inches	17 x 13 inches	11.5 x 8.5 inches

Prices

MDC-3C	3 Megapixel camera	£575.00
MDC-5C	5 Megapixel camera	£695.00
MDC-9C	9 Megapixel camera	£995.00

PRICES EXCLUDE DELIVERY AND VAT

TEC MICROSCOPES LTD

The Vineyard, Hillside, Axbridge, Somerset, BS26 2AN
 Tel: 01934 733 679
 Fax: 01934 733 660
 E mail: enquiries@tecmicroscopes.co.uk