

DFM 31BF03 – Specification


- 1/4" CCD, progressive scan
- 640 x 480 pixel
- Up to 60 images/s
- Trigger input and I/O
- IEEE 1394
- Protocol: DCAM 1.31



General behaviour:

Video formats @ Frame rate	1024 x 768 UYVY @ 15, 7.5, 3.75 fps 1024 x 768 BY8 @ 30, 15, 7.5, 3.75 fps
Sensitivity	0.5 lx at 1/15s, gain 20 dB
Dynamic range	ADC: 10 bit, output: 8 bit
SNR	ADC: 9 bit at 25 °C, gain 0 dB

Interface (optical):

Sensor specification	ICX204AK  [278.28 KB, PDF]
Type	progressive scan
Format	1/3 "
Resolution	H: 1024, V: 768
Pixel size	H: 4.65 µm, V: 4.65 µm
Lens mount	C/CS-mount

Interface (electrical):

Supply voltage	8 to 30 VDC
Current consumption	approx 200 mA at 12 VDC

Interface (mechanical):

Dimensions	H: 50.6 mm, W: 50.6 mm, L: 50 mm
Mass	265 g

Adjustments (man):

Shutter	1/10000 to 30 s
Gain	0 to 36 dB
Offset	0 to 511
Saturation	0 to 200 %
White balance	-2 dB to +6 dB

Adjustments (auto):

Shutter	1/10000 to 30 s
Gain	0 to 36 dB
Offset	0 to 511
White balance	-2 dB to +6 dB

Environmental:

Max. temperature (operation)	-5 °C to 45 °C
Max. temperature (storage)	-20 °C to 60 °C
Max. humidity (operation)	80 % non-condensing
Max. humidity (storage)	95 % non-condensing