

DFM 21AF04-ML – Specification

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



General behaviour:

Video formats @ Frame rate 640 x 480 UYVY @ 60, 30, 15, 7.5, 3.75 fps
640 x 480 BY8 @ 30, 15, 7.5, 3.75 fps

Sensitivity 0.5 lx at 1/30s, 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 [ICX098BQ](#) [671.36 KB, PDF]

Type progressive scan

Format 1/4 "

Resolution H: 640, V: 480

Pixel size H: 5.6 µm, V: 5.6 µm

Lens mount M12x0.5-mount

Interface (electrical):

Supply voltage 8 to 30 VDC

Current consumption approx 200 mA at 12 VDC

Interface (mechanical):

Dimensions H: 50 mm, W: 50 mm, L: 50 mm

Mass 165 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