


DFK 21BF04-Z – FIREWIRE COLOR CAMERA

- Motorized zoom f=3.7 to 46 mm
- 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	640 x 480 UYVY @ 30, 15, 7.5, 3.75 fps 640 x 480 BY8 @ 60, 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
Focal Length (wide)	3.7 mm
F-Stop (wide)	1.6
MOD (wide)	1 cm
Focal Length (tele)	46 mm
F-Stop (tele)	3.7
MOD (tele)	40 cm
Focus	auto/man
Iris	auto/man
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	380 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

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