



Specification data sheet

Advision® FC6448

The FC6448 is a colour CCD camera with IEEE-1394 interface ideal for a range of industrial applications



FC6448	
General Features	
Video formats	320 x 240 YUV (4:2:2) 640 x 480 YUV (4:1:1) 640 x 480 YUV (4:2:2) 640 X 480RGB (24 bit)
Frame rate	3.75, 7.5, 15, 30 Frames/sec
Sensitivity	4 lx at 1/30s, Gain 0 dB
Gamma	0.45, 1
Dynamic range	ADC: 10 bit, output: 8 bit
SNR	ADC: 9 bit at 25°C, Gain 0 dB
Optical Interface	
Sensor specification	ICX098BQ
Type	CCD interline transfer, progressive scan
Size	1/4"
Resolution	H: 640, V: 480
Pixel size	H: 5.6 µm, V: 5.6 µm
Lens mount	C/CS-mount
Electrical Parameters	
Supply voltage	8 to 40 VDC
Current consumption	approx 90 mA (at 12 VDC)
Sync in	IEEE 1394a
Remote in	IEEE 1394a
Video out	IEEE 1394a
Sync out	IEEE 1394a

Mechanical Data	
Dimensions	H: 50 mm, W: 50 mm, L: 50 mm
Mass	approx 165g
Manual adjustments	
Shutter (rmt)	1/3.300 to 1/30 s
Gain (rmt)	0 to 36 dB
Offset (rmt)	0 to 511
Sharpness (rmt)	0 to 255
Gamma (rmt)	0.45, 1
Saturation (rmt)	0 to 100 %
White Balance (rmt)	2600 to 9600 °K
Backlight correction (rmt)	off, circle, averaged circle, head and shoulders, top third, bottom third, middle third
Dead pixel compensation (rmt)	off, median, non-linear interpolation
Automatic adjustments	
Shutter (rmt)	1/3.300 to 1/30 s
Gain (rmt)	0 to 36 dB
Offset (rmt)	0 to 511
White Balance (rmt)	2600 x 9000 °K
Environmental:	
Max. temperature (operation)	-5°C to 45°C
Max. temperature (storage)	-20°C to 60°C
Max. humidity (operation)	90% non-condensing
Max. humidity (storage)	90% non-condensing
Please note:	
ext:externally, int:internally, rmt:remotely D: diameter, H: horizontal/height, L: length, V: vertical, W: width	
Subject to change without notice.	

**Alrad Imaging, Alder House, Turnpike Road Industrial Estate, Newbury, Berkshire, RG14 2NS, Tel No: 01635 30345, Fax No: 01635 32630, Email : sales@alrad.co.uk
Web: www.alrad.co.uk**