



Specification data sheet

Advision® FC1296



The FC1296 is a colour CCD camera with IEEE-1394 interface ideal for a range of industrial applications

FC1296	
General Features	
Video formats	1280 x 960 YUV (4:2:2)
Frame rate	7.5 Frames/sec
Sensitivity	19 lx at 1/50s, Gain 0 dB
Gamma	1
Dynamic range	ADC: 10 bit, output: 8 bit
SNR	ADC: 9 bit at 25°C, Gain 0 dB
Optical Interface	
Sensor specification	ICX205AK
Type	CCD interline transfer, progressive scan
Size	½"
Resolution	H:1280, V:960
Pixel size	H:4.65 µm, V:4.65 µm
Lens mount	C/CS-mount
Electrical Parameters	
Supply voltage	8 to 30 VDC
Current consumption	approx 350 mA (at 12 VDC)
Sync in	IEEE 1394a
Remote in	IEEE 1394a
Video out	IEEE 1394a
Sync out	IEEE 1394a

Mechanical Data	
Dimensions	H:65 mm, W:65mm, L:65 mm
Mass	approx 300g
Manual adjustments	
Shutter (rmt)	1/20,000 to 2s
Gain (rmt)	0 to 18 dB
Offset (rmt)	0 to 511
Sharpness (rmt)	0 to 255
Gamma (rmt)	1
Saturation (rmt)	0 to 100 %
White Balance (rmt)	2600 to 9600 °K
Automatic adjustments	
Shutter (rmt)	1/20,000 to 2s
Gain (rmt)	0 to 18 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.	

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