



**Specification data sheet**

**Advision® FM6448**

The FM6448 is a monochrome CCD camera with IEEE-1394 interface ideal for a range of industrial applications

<b>FM6448</b>	
<b>General Features</b>	
Video formats	640 x 480 ( Mono)
Frame rate	3.75, 7.5, 15, 30 Frames/sec
Sensitivity	0.8 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
<b>Optical Interface</b>	
Sensor specification	ICX098BL
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
<b>Electrical Parameters</b>	
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
<b>Mechanical Data</b>	

Dimensions	H: 50 mm, W: 50 mm, L: 50 mm
Mass	approx 165g
<b>Manual adjustments</b>	
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
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
<b>Automatic adjustments</b>	
Shutter (rmt)	1/3.300 to 1/30 s
Gain (rmt)	0 to 36 dB
Offset (rmt)	0 to 511
<b>Environmental:</b>	
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
<b>Please note:</b>	
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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