

Thu. Feb 24 2011

Search Unibrain



MAIN MENU



Company
Contact Info
Where to Buy
Support
Downloads
Corporate News
Product Catalogue

Product
DescriptionDetailed
SpecsProduct
History

FAQ

Buy Now

Download
Brochure

Fire-i™ Digital Camera

The BEST Color Digital Camera for PC and Mac

Device type	IIDC FireWire Digital Camera
Compliance	v 1.04
Interface	FireWire, 2 ports (6 pins)
Speed	400 Mbps
Sensor type	SONY® Wfine* 1/4" CCD
Scanning	progressive
Effective pixels	(H x V) 659 x 494
Pixel shape	(H x V) square, 5.6 x 5.6 µm
Color	Yes, RGB filtering, Bayer
Resolution	TV-lines (H x V) 480 x 480
Optics	f 4.65 mm built-in
Focus	Manual, from 5 mm to infinite
Iris	Fixed
Horizontal view angle	42°
Vertical view angle	32°
Coating	anti-reflective
Picture Modes	progressive VGA uncompressed, modes selection by FireWire link
Resolutions	640x480, 320x240, 160x120
Codings	YUV, RGB, Monochrome

Picture
CalibrationCamera has
Color Bar mode!

Frame rates (fps)	30	15	7.5	3.75
Video Modes				
640x480 RGB-24 (24 bits)	—	X	X	X
640x480 YUV 4:2:2 (16 bits)	—	X	X	X
640x480 YUV 4:1:1 (12 bits)	X	X	X	X
640x480 Y-Mono8 (8 bits)	X	X	X	X
320x240 YUV 4:2:2 (16bits)	X	X	X	X
160x120 YUV 4:4:4 (24 bits)	X	X	X	—

Picture Settings

Gain	Selection by FireWire Link
Shutter	Auto/Manual 0 - 30 dB
Black level	Auto/Manual 1/3400s - 1/31s
Gamma	Auto/Manual
	OFF (linear) = 1
	ON (visual) = 0.45
Backlight compensation	6 modes + OFF
Sharpness	OFF (linear) = 0
	ON (visual) = manual
White balance	Auto/Manual
Color saturation	Manual
Reference picture gen.	Bars and ramps, all modes. ON/OFF

Power supply

Source

Standby power

Operation power

General

Temperature/Humidity

Dimensions

Weight

Housing

Attachment

Accessory

8 to 30 VDC, software
switched by FireWire link
by 1394 link/external jack
input
400 mW typ. 450 mW
max.
900 mW typ. 1 W max.

General operation: -10 to
50C
20 to 80 % rel. non cond.
Storage: -20 to 60C
20 to 95 % rel. non cond.
(W x H x D) 62 x 62 x 35
mm without clip
60 gr camera + 32 gr clip
Plastic, transparent
Spring clip, laptop suitable
Fire-i™ software

Powering the Camera



SAVE POWER!

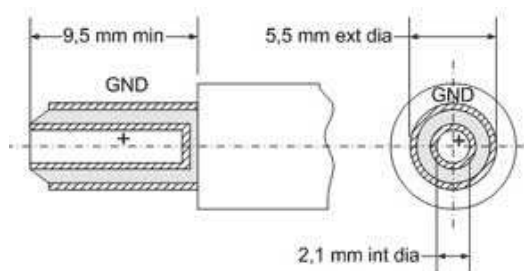
Fire-i™ Digital Camera is powered by the FireWire bus DC voltage, coming from host adapters or other FireWire devices connected with 6-pin cables.

Fire-i™ Digital Camera is provided with a DC power input jack connector, that can be used when the FireWire connection does not provide DC power. This happens typically:

- when the FireWire bus is converted to a 4-pin connection
- when, in 6-pin, no powering device is present, even from the FireWire interface. This is the case when using CardBus FireWire adapters or on some laptops with built-in interface

Even if the FireWire bus is already powered, the DC power input jack of the camera can also be used to reinforce it. The FireWire bus voltage will adapt automatically when needed. A built-in diode avoid any risk of voltages conflict or reverse current flow.

Recommended DC adapter must provide stable regulated output voltage of at least 12VDC, 1 A or best 15VDC, 1.5A. To match camera DC input connector, the jack plug of the DC adapter need following dimensions and polarity as on the figure.



* Wfine CCD is a trademark of Sony Corporation.



SAVE POWER!

ON Mode (LED Color: Orange)

Camera is transmitting,
Power is 0.9 Watt