Zoran 364xx based USB webcam module version 0.72
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introduction:
This brings support under Linux for the Aiptek PocketDV 3300 in webcam mode.
If you just want to get on your PC the pictures and movies on the camera, you
should use the usb-storage module instead.
The driver works with several other cameras in webcam mode (see the list below).
Maybe this code can work for other JPEG/USB cams based on the Coach chips from
Zoran?
Possible chipsets are : ZR36430 (ZR36430BGC) and maybe ZR36431, ZR36440,
ZR36442...
You can try the experience changing the vendor/product ID values (look at the
source code).
You can get these values by looking at /var/log/messages when you plug your
camera, or by typing : cat /proc/bus/usb/devices.
If you manage to use your cam with this code, you can send me a mail
(royale@zerezo.com) with the name of your cam and a patch if needed.
This is a beta release of the driver.
Since version 0.70, this driver is only compatible with V4L2 API and 2.6.x
kernels.
If you need V4L1 or 2.4x kernels support, please use an older version, but the
code is not maintained anymore.
Good luck!

install:
In order to use this driver, you must compile it with your kernel.
Location: Device Drivers -> Multimedia devices -> Video For Linux -> Video
Capture Adapters -> V4L USB devices

usage:
modprobe zr364xx debug=X mode=Y
 - debug   : set to 1 to enable verbose debug messages
 - mode   : 0 = 320x240, 1 = 160x120, 2 = 640x480
You can then use the camera with V4L2 compatible applications, for example
Ekiga.
To capture a single image, try this: dd if=/dev/video0 of=test.jpg bs=1M count=1

links :
http://mxhaard.free.fr/ (support for many others cams including some Aiptek
PocketDV)
http://www.harmwal.nl/pccam880/ (this project also supports cameras based on
this chipset)

supported devices:

Vendor	Product	Distributor	Model
0x08ca	0x0109	Aiptek	PocketDV 3300
0x08ca	0x0109	Maxell	Maxcam PRO DV3
0x041e	0x4024	Creative	PC-CAM 880
0x0d64	0x0108	Aiptek	Fidelity 3200
0x0d64	0x0108	Praktica	DCZ 1.3 S
0x0d64	0x0108	Genius	Digital Camera (?)
0x0d64	0x0108	DXG Technology	Fashion Cam

0x0546	0x3187	Polaroid	iON 230
0x0d64	0x3108	Praktica	Exakta DC 2200
0x0d64	0x3108	Genius	G-Shot D211
0x0595	0x4343	Concord	Eye-Q Duo 1300
0x0595	0x4343	Concord	Eye-Q Duo 2000
0x0595	0x4343	Fujifilm	EX-10
0x0595	0x4343	Ricoh	RDC-6000
0x0595	0x4343	Digitrex	DSC 1300
0x0595	0x4343	Firstline	FDC 2000
0x0bb0	0x500d	Concord	EyeQ Go Wireless
0x0feb	0x2004	CRS Electronic	3.3 Digital Camera
0x0feb	0x2004	Packard Bell	DSC-300
0x055f	0xb500	Mustek	MDC 3000
0x08ca	0x2062	Aiptek	PocketDV 5700
0x052b	0x1a18	Chiphead	Megapix V12
0x04c8	0x0729	Konica	Revio 2
0x04f2	0xa208	Creative	PC-CAM 850
0x0784	0x0040	Traveler	Slimline X5
0x06d6	0x0034	Trust	Powerc@m 750
0x0a17	0x0062	Pentax	Optio 50L
0x06d6	0x003b	Trust	Powerc@m 970Z
0x0a17	0x004e	Pentax	Optio 50
0x041e	0x405d	Creative	DiVi CAM 516
0x08ca	0x2102	Aiptek	DV T300
0x06d6	0x003d	Trust	Powerc@m 910Z