

Working Devices

If you add an entry for a Network camera, please provide the URL that is required for motion to access the camera images. If the camera supports both a jpeg and mjpeg mode, please provide a URL for both modes. Please be aware that TWiki will try to interpret a URL and either link to it or show it as a picture. To avoid this, write the URL like this: `<literal>netcam_url
http://CAMERA_IP/axis-cgi/jpg/image.cgi?showlength=1</literal>`

The following makers have devices that have been reported to work with Motion

- [Acer](#)
- [ACTi](#)
- [AirLink](#)
- [ALink](#)
- [Aviosys](#)
- [Axis](#)
- [Creative](#)
- [DLink](#)
- [Genius](#)
- [Grandtec](#)
- [GadSpot](#)
- [Linksys](#)
- [Logitech](#)
- [Marvell](#)
 - [Marvell88ALP01](#)
- [Microsoft](#)
 - [vx-3000](#)
- [Miro?](#)
- [Raytalk?](#)
- [Sony](#)
- [SparkLAN](#)
- [SVAT?](#)
- [Pinnacle](#)
- [Panasonic](#)
 - [PanasonicKxHcm](#)
 - [PanasonicBbHcm381](#)
- [Terratec?](#)
- [TrendNet](#)
- [Videology?](#)
- [Vivotek](#)
- [Winnov](#)
- Philips USB webcams (with pwc/pwcx driver)
- Brooktree based cards (BT848 or BT878/9)
- SE401 based cameras

- Greyscale quickcam cameras
- Terratec Webcam USB
- Trendnet TV-IP100W
- Miro DC1
- Winnov Videum Capture board (And supposedly all other v4l2 devices).
- Grandtec "Grand Wi-fi Camera" model 1 and 2
- Raytalk RTAV 600W
- Videology 21K155 USB (<http://www.videologyinc.com>) - 640x576
- Videology 20K14X USB (<http://www.videologyinc.com/cameras/ccd-board-camera-20K14XUSB.htm>) - 720x576
- SparkLAN CAS-330 (http://www.sparklan.com/product_details.php?prod_id=122)
- RetailPlus RP-CAPU-835 USB laptop webcam (0ac8:c40a), Vendor Z-Star Microelectronic Corp, Manufacturer: A4 Tech, Product: A4 Tech USB2.0 PC Camera J, Module: uvcvide
- Hawking HNC290g REV-R
- Kodak P310 USB webcam. Use v4l2_palette 6. You can get 2048X1536 resolution
- Agama V-1300 USB webcam. 1280X1024 resolution, and it can work on active USB extenders at slower frame rates
- PIXO \$8 USB webcam. Lots of errors. Poor quality CMOS sensor. You get what you pay for.
- It's not specifically mentioned, but Motion can be IP cameras for Motion. You can build a master and satellite architecture using obsolete P-4 computers and cheap USB cams

Working Devices

The following makers have devices that have been reported to work with Motion

[Digital Dream Co l'espion USB Camera \(STV680 Chipset\)](#)

[Hawking Tech HNC320W \(802.11b\) net camera](#)

[Trust NW-7500 Remote Surveillance Wireless Camera](#)

[Intellinet net cameras](#)

[Vivotek net cameras](#)

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[Sweex JA200010 network camera](#)

[Sunplus Technology Co., Ltd Flexcam 100 chipset USB camera](#)

[Elro CS71C Surveillance Camera \(B/W\)](#)

[KMC 4400R \(A.K.A: Kodicom or a 4400\) DVR capture card](#)

[Security Eyes Multi-Port PV149PA \(a.k.a. Pro Video 149\)](#)

[AVerMedia LX5004 4-port 4xbt878 \(100/120fps\) grabber card](#)

[Micro Innovations Basic Webcam Model IC50C](#)
[Genius Express V2](#)
[Planet ICA-110 / ICA-110W](#)
[Comparison of some cameras bought in Denmark](#)
[Conceptronic C54NETCAM, wireless net camera](#)
[SA7130 card \(no name nor brand\), 8 chips, one input on each chip](#)
[M6810 IP Web Cam](#)
[SparkLAN CAS-330](#)
[8 channels DVR 240 fps CCTV \(no name nor brand\)](#)
[ABS MegaCam 311M/312M/4210/4220/421M/422M](#)
[Generic](#)
[VISION VC34HQ-12 / VISION VC34HQX-12 Day / Night Mini C/CS Box CCTV camera \(Super Hi-Res\)](#)
[INSTAR IN-2905, outdoor wireless b/g color / ir IP net camera](#)

Digital Dream Co l'espion USB Camera (STV680 Chipset)

Small USB camera provides good clear pictures with a good frame rate even with two cameras on the same USB controller. Not great in low light. This chipset can be found in devices such as the original Pen Cam.

-- [WillCooke](#) - 06 Oct 2004

Hawking Tech [HNC320W?](#) (802.11b) net camera

For the most part the same hardware/Firmware as D-Link DCS-900W both seem OEM'ed [CellVision](#) cams

-- [EvilPete](#) - 09 Sep 2005

Trust NW-7500 Remote Surveillance Wireless Camera

Same as above. OEM'ed [CellVision](#) cam

-- [ThomasfakeJakobi](#) - 07 Jul 2006

Intellinet net cameras

<http://www.intellinet-network.com/ipcamera/index.php>

Work with Motion. Intellinet cameras have an embedded Linux sysop.

You can check it at camera boot only if you are connected by serial port to the camera.

To configure this netcam for Motion, you must set the jpg image name *Name-Of-Jpeg-Image* and *Network-Transfer-Image-Port* from the camera http setup interface and after put something like this into motion.conf:

- netcam_url http://camera_ip/jpg/Name-Of-Jpeg-Image.jpg (with no Port)

- netcam_url `http://camera_ip:Network-Transfer-Image-Port/jpg/Name-Of-Jpeg-Image.jpg`
(with port spec)

-- [MarcoMarco](#) - 17 Feb 2007

Vivotek net cameras

<http://www.vivotek.com/>

Model pt3112/3122:

isn't the best because the default shipped software require IE and activex to manage full webcam functions, but it work with Motion.

To configure with Motion:

- netcam_url `http://camera_ip/jpg/Name-Of-Jpeg-Image.jpg?size=3` (Size from 1 to 5, 3 is for normal)
- netcam_url `http://camera_ip/cgi-bin/video.jpg?size=3` (Size from 1 to 5, 3 is for normal)

-- [MarcoMarco](#) - 17 Feb 2007

Connectec Internet IP Kamera VGA IEEE 802.11b Wireless LAN

<http://www.pearl.de/p/PE5587-ConnecTec-Internet-IP-Kamera-VGA-IEEE-802-11b-Wirless-LAN.html>

Both wireless and wired Ethernet-based camera. You can use either

- netcam_url `http://CAMERA_IP/image.jpg` (for single pictures)
- netcam_url `http://CAMERA_IP/video.cgi` (for a video stream)

-- [CarstenPache](#) - 18 Apr 2005

4 Port Low Cost Conexant Fusion 878a Brooktree Based Cards

I have tried it with two boards 8 cameras worked fine. As for the framerate and quality of the capture cards are what you pay for.

-- [RobertH](#) - 04 May 2005

3Com HomeConnect? USB webcam

Works pretty well only problem I had (Fedora Core 3) supplied driver does not set auto brightness on the camera correctly

-- [RobertH](#) - 04 May 2005

NC1200 e NC1200WIFI

For European use (in Italy I had a lot of problem to find network camera that works with Linux. Try Ebay shops to find something!)

This camera is the same as the Gadspot 1200 with different trademark

- `netcam_url http://CAMERA_IP/cgi-bin/getimage.cgi?motion=1` (for Video)
- `netcam_url http://CAMERA_IP/cgi-bin/getimage.cgi?motion=0` (for snapshot)
- `netcam_url http://CAMERA_IP/cgi-bin/getaudio.cgi` (for audio...just in case)

If you want to set the parameters from linux you had to figure them out from winsoz application on IE (just read what the submit command do when you configure the webcam from winsoz!

-- Emanuele - 19 Nov 2006

Miscellaneous Netcams found (with Google) on the web

While developing the netcam software, I tried to search and test with as many different cameras as I (or Google) could find. Here are the details of the way I was able to connect with some of them. In each case, I start with the camera IP address, represented below by CAMERA_IP.

Evo

Camera at `CAMERA_IP/webcam.html`

Use `CAMERA_IP/video.cgi`

NetSnap

Camera at `CAMERA_IP/StreamView.htm`

Use `CAMERA_IP/push-always?scale=60?compress=25?camera=1`

Panasonic Network

Camera at `CAMERA_IP/ViewerFrame?Mode=Refresh`

Use `CAMERA_IP/ViewerFrame/nphMotionJpeg?resolution=640x480?Quality=Standard`

Cheap BT878 Cards from ebay

Lots of cheap cards at ebay are offered with 4 Inputs and BT878 Chipset.

Work fine with bttv driver set to `card=77` or `card=118`

Original Vendor is named `Gammagraphx`

btspy tells:

```
Chip: Bt878 , Rev: 0x00
Subsystem: 0x00000000
Vendor: Gammagraphx, Inc.
Values to MUTE audio:
Mute_GPOE : 0xf00000
Mute_GPDATA: 0xf00000
has TV Tuner: No
Number of Composite Ins: 4
```

As mentioned before: Framerate and Quality is what you pay for. Anyhow: for basic motion detection it works fine with as well lowcost 1/3` CCTV Cams.

-- [AxelAmthor](#) - 05 Oct 2005

Adding parameter to the driver with modprobe:

```
modprobe -r bt878 (because the bttv module was used by that module)
modprobe -r bttv
modprobe bttv card=77
modprobe bt878
```

To make this parameter adding persistent:

Add "options bttv card=77" (77 was the value that worked for me) in /etc/modprobe.d/options.

Raytalk RTAV 600W

It works perfectly using URLs:

- netcam_url `http://xx.xx.xx.xx/IMAGE.JPG` (for single JPEG images)
- netcam_url `http://xx.xx.xx.xx/VIDEO.CGI` (for streaming MJPEG video)

-- [Domenico Viggiani](#) - 27 Oct 2005

Labtec Webcam ([this one](#))

Cheap as chips, and works OK. Not so good in low light. 352x288. Base is dense rubber: I've drilled it and screwed mine upside-down under my house eaves. It's been fine for over a year despite exposure to the elements. Uses the qc-usb driver.

-- [MarkTranchant](#) - 17 Nov 2005

Videology 20K14X and 21K155

both devices are supported by the em28xx video4linux driver.

20K14X supports 720x576 (natively)

21K155 supports 640x576 (natively)

-- [MarkusRechberger](#) - 23 Feb 2006

Sweex JA200010 network camera

My specimen of this camera shows many dead pixels and has very poor sensitivity. Only fit for use as a security camera in well-lit areas. Not sure whether this is a problem specific to my camera or a general issue of poor design/quality of Sweex. I'd be interested to learn the experiences of others with this camera.

- Link to video stream: `netcam_url http://CAMERA_IP/GetData.cgi?Status=1`
- Link to snapshots: `netcam_url http://CAMERA_IP/Jpeg/CamImg.jpg`

The camera needs [ActiveX?](#) to change settings. Below examples of controls through a direct URL

```
=netcam_url http://CAMERA_IP/ChangeResolution.cgi?ResType=3
=netcam_url http://CAMERA_IP/ChangeAECFrequency.cgi?Frequency=Outdoor
=netcam_url http://CAMERA_IP/ChangeAECFrequency.cgi?Frequency=60
=netcam_url http://CAMERA_IP/ChangeBrightness.cgi?Brightness=32
=netcam_url http://CAMERA_IP/ChangeBrightness.cgi?Brightness=-1
=netcam_url http://CAMERA_IP/ChangeContrast.cgi?Contrast=32
```

The compression of the camera can also be set. However, only use `ratio=0`. Otherwise the camera will crash.

- `netcam_url http://CAMERA_IP/ChangeCompressRatio.cgi?Ratio=0`

-- [HeinVandenacker](#) - 16 Jul 2006

Sunplus Technology Co., Ltd Flexcam 100 chipset USB camera

Cheap USB cams.

Output of `lsusb` (Linux): `04fc:0561 Sunplus Technology Co., Ltd Flexcam 100 chipset USB camera.`

Images acceptable, but I couldn't get a good adjust with driver/brightness/contrast/color (can be my fault). Nowadays I am dealing with this problem: [SupportQuestion2006x08x14x202914](#)

Anyway, I am using both of them.

Uses `spca5xx` driver from <http://mxhaard.free.fr/>.

-- [CassioFreitas](#) - 17 Aug 2006

Using new `gspcav1-20060925.tar.gz`, with Slackware 11.0 and kernel 2.6.17.13.

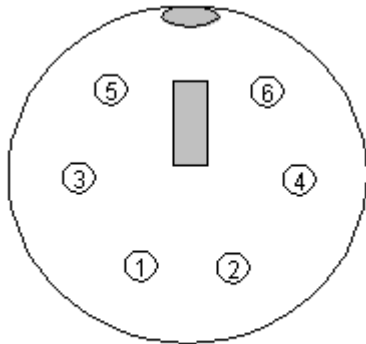
With a new server (P4 HT, 3.2GHz, 1GB RAM) and this new configuration, things are working fine. 😊

My [SupportQuestion2006x08x14x202914](#), until now, is solved, thanks to Kenneth and Michel.

-- [CassioFreitas](#) - 22 Oct 2006

Elro CS71C? Surveillance Camera (B/W)

This camera is in principle a standard CCTV (composite video) camera (PAL B/W). However the camera is made for a special Elro switch system and the interface is not specified in the manual. But it is possible to buy just the camera and connect it to a capture card. Here is how.



Male seen from the PIN side

Pin	Wire Colour	Function
1	Green	Audio
2	-	Not connected
3	White	Video
4	-	Not connected
5	Red	Power +12 VDC
6	Black	Ground

Ground is common for video, audio and power.

The power supply is not documented but based on some measurements it is most likely +12 VDC. It may be up to + 15 VDC. The power consumption is 400 mA at 12 V and 500 mA at 15 V.

The camera is based on the A1 PROs chips [Ai1001S?](#) and Ai5412 and an unmarked chip.

-- [KennethLavrson](#) - 10 Sep 2006

KMC 4400R (A.K.A: Kodicom or a 4400) DVR capture card

Four chip, 8 port (theoretically 16 ports?) bt878 based capture card, rated 120FPS.

More information about getting this card to work available here:

http://www.linuxtv.org/v4lwiki/index.php/Kodicom_4400R

I'm currently using 5 x USB cameras connected to USB cards with via chips and 4 x 480 line pinhole cameras connected to this card on a 4000+ AMD64 X2. Seems to handle about 8 cameras recording simultaneously at 15fps with minimal frame drops (this is with despeckle and locate switched off).

Security Eyes Multi-Port PV149PA? (a.k.a. Pro Video 149)

Four port, four chip, bt878 based capture card. Rated 120fps.

Inputs are BNC , supports PAL and NTSC

Currently using with three IR illuminating CCTV cameras of such generic Chinese origin it's hard to tell if the model numbers are significant or specific to the reseller.

Performance has been great on Ubuntu Dapper using the Ubuntu packages of motion and ffmpeg.

I'm not sure if this is permitted, but this is where I sourced the card from. I have no affiliation with the vendor at all, service was fine though.

http://store.bluecherry.net/4_port_video_capture_card_linux_120fps_bt878_p/pv-149.htm

The image below is from one of the cams, via motion.

This is the exact model link to the supplier I used, again no affiliation with this vendor, just a satisfied customer.

<http://www.cctvcamerapros.com/Surveillance-Camera-p/bipro-12f49.htm>

Mine has 58 IR LED's and it is a 6mm lens variant. I posted this picture as I found almost no examples of how well the IR illumination works online. The below snap is in *total* darkness, you wouldn't be able to see much of anything with the naked eye in the conditions when it was taken. It's rather stunning performance from what I'd expected.

- An image in total darkness from an IR illuminated CCTV cam:



-- [KingSqueak](#) - 22 Oct 2006

AVerMedia LX5004 4-port 4x bt878 (100/120fps) grabber card

I bought the card from: www.chaners2000.com

Good things:

- It is not expensive (39€ + shipping expenses).
- Each input has its own Brooktree Corporation Bt878 Video Capture chip which makes it possible to get high frame rates simultaneously on all four channels.

Successful installation on 1GHz Intel Pentium III with PCI LX5004 card using Linux distro: Fedora Core 2

Bad things:

- No hardware compression, so needs much CPU power.
- No usable support from <http://www.chaners2000.com>. The guy does not even know how to copy a CD correctly to make the copy bootable (like the original CD).
- No usable support from <http://avermedia.com>. They do not sell it any more, and they do not have RD resources for questions.
- bttv driver card list does not include this card.
- The shipped software did not work (could not install).

Load the bttv driver correctly (after a reboot) by adding this to `/etc/rc.local`

```
rmmod bt878
rmmod bttv
modprobe bttv radio=-1 card=77,77,77,77
modprobe bt878
modprobe tuner type=-1
```

The motion configuration file needs to have input=0 (and not input=1 as you might think).

At the time of writing I only have 2 cams up and running. Both with 3fps in 320x240 (gives about 60% cpu usage on motion).

Max frame rate on this 1GHz Pentium III is about 10fps in 320x240 (with only motion on one cam at a time).

So a faster CPU is needed to take advantage of the 4 bt878 chips (giving theoretically a total of 100pfs for PAL).

My configuration might be available at <http://www.holm-teknik.dk/lx5004/lx5004.html>

If you know how to control (set/read) the digital pins on the Sub-D connector on this card, then please let me know (by adding it to this chapter).

-- [MichaelHolm](#) - 29 Oct 2006

Micro Innovations Basic Webcam Model IC50C

This webcam cost \$18 at Fry's. In this office the light is barely adequate. Fedora Core 6 did not ship with the gspca driver so I had to download that special (lusb gives ID 093a:2468 Pixart Imaging, Inc. Easy Snap Snake Eye [WebCam](#)). Also, the 3.2.7 build of motion doesn't have [V4L2](#) support yet, but once I compiled the latest source (motion-20061127-051001) the camera worked at 320x240 - see my mascot:



Unfortunately moving objects are badly blurred, a problem I hadn't encountered in even the cheapest CCTV pinhole camera. For example, someone walking past the camera is unrecognizable, making this webcam unsuitable for surveillance.

-- [ChrisJenks](#) - 28 Nov 2006

Genius Express V2

This webcam is really cheap and good for common use. I have two webcams configured with motion as security Cams and works without problems using spca5xx drivers.

-- [GuS](#) - 05 Dec 2006

Planet ICA-110 / ICA-110W

Low budget IP Cam. <http://www.planet.com.tw/news/productnews/ICA-110W.htm>

<literal>netcam_url http://CAMERA_IP/goform/capture</literal>.....

-- [MarceloPoli](#) - 01 Oct 2009

Comparison of some cameras bought in Denmark

All prices is including danish "moms".

Cam1: Monacor: TVCCD-32MCOL (750kr)

Cam2: Danbit 22.17: KAM-IR24 , NICC-739WP24IRF8 (986kr)

Cam3: Monacor: TVCCD-45MIR (389kr) (I have removed the 6 LED's)

Cam4: Danbit 22.12: KAM-MINI-M (349kr)

Cam5: Danbit 22.10: KAM-MINI-SH (199kr)

Cam 6: Philips TouCam? II Pro (USB) (700kr)

Danbit (different lenses) 22.17: KAM-MINI-L++ (336kr)

<http://www.monacor.dk> <http://www.danbit.dk> All except Cam6 have composite output (PAL) 1Vp-p 75Ω and supply voltage +12V DC.

Cam1 has very true colours and a very sharp picture. It can not see in darkness, but it is good if a halogen spot is used. It keeps the colours at low light and therefore there will be some noise in the colour picture due to the low light. Horizontal angle approximately 65° (with default lens).

Cam 2 has a very small horizontal angle (maybe 25°), so it is not very suitable for surveillance of a wide area. Colours are okay during good light conditions. At low light it switches automatically to B/W and turns on the IR LEDs. If there is anything close to the camera in the edge of the picture (like the roof, etc), then it will reflect the light making the whole picture bad. The IR diodes are very red and very easy to see, so it is not suitable as a hidden camera. If there is nothing close to the camera, then the IR diodes work fine and gives sufficient light at least up to 5 meters. It automatically regulates the IR power, which is observed by the color of the LED's. For surveillance it is not very usable, as it is not invisible and therefore a solution with a halogen spot

and no IR is a better choice. If the LED's did not have that strong red color it would have been a very nice camera.

Cam 3 has a horizontal angle of 80° and is also very sharp. It is only B/W and without housing. It is only a camera module.

Cam 4 is small and includes housing. Horizontal angle is about 60°, but the camera is bad during low light. A halogen spot did not work well with this camera. The housing gets quite hot.

Cam 5 is a lot like Cam 3. But is it not quite as sharp a picture. But it is very cheap and includes housing, so it is very easy to use.

Cam6: Very good light sensitivity. Horizontal angle about 60°. But if there is quick movement, the picture gets blurred.

Conclusion: For a cheap solution use Cam 5 (about 36USD). For best quality use Cam 1 (about 140USD).

-- [MichaelHolm](#) - 12 April 2007

Conceptronic C54NETCAM, wireless net camera

Worked out of the box. Work fine. Just power on and the camera connected with router quickly. Just browse to the factory default IP address (192.168.0.20) and up comes the admin page. The mounting base is metal and will hold the cam at any angle. Also, it has mounting holes on both the top and bottom, so you can mount either from above or below.

Most recommendations for DLINK NETCAM are valid at this camera. URLs:

- netcam_url=http://xx.xx.xx.xx/IMAGE.JPG (for last JPEG image) (**uppercase sensitive**)
- netcam_url=http://xx.xx.xx.xx/VIDEO.CGI (streaming MJPEG video) (uppercase non-sensitive)

-- [TrebolA](#) - 16 Dec 2007

SA7130 card (no name nor brand), 8 chips, one input on each chip

You can get one of these cheap 8 inputs cards to work simply by loading the driver with the card options set to 33 on the saa7134 driver, this is /etc/modprobe.d/motion on my Debian system:

```
options saa7134 card=33,33,33,33,33,33,33,33
```

This is how lspci lists the chips (pasting only one but there are 8 of them):

```
01:0f.0 Multimedia controller: Philips Semiconductors SAA7130 Video Broadcast Decoder (rev 01)
```

-- [GiacomoGraziosi](#) - 12 Mar 2008

M6810 IP Web Cam

<http://www.mingjong.com.tw/eipe/front/bin/ptdetail.phtml?Category=100014&Part=M6810>

It works with the Gadspot NC8000Relay

[GadspotNC800Relay](#) In motion conf I putted this:

```
netcam_url http://127.0.0.1:12000/
```

comment out netcam_http and netcam_userpass

NC800relay started with:

```
./relay-nc800 -url=http://192.168.0.20:800/cgi-bin/Stream?Video -port=12000 -  
auth=USERNAME:PASSWORD
```

[JanNord](#) - 07 Jul 2008

SparkLAN CAS-330

The CAS-330 seems to be similar to the D-Link DCS-900. The current JPEG can be fetched via

```
netcam_url=http://my.camera.ip.address/image.jpg
```

and the MJPEG stream is available at

```
netcam_url=http://my.camera.ip.address/video.cgi
```

I would recommend to set the camera's resolution to the maximum 640x480 (not the default) with the lowest compression settings. The focus should also be set manually. It's not needed to install the Windows software that comes with the CD. The MAC address is printed on a sticker on the lower side of the camera's body. It works well with DHCP.

The image quality is appropriate for home surveillance but it's not great. For video conferencing on the desktop it's perfect. But especially during high contrasts (e.g. sunshine on parts of the picture) the camera doesn't properly adapt to the light conditions. It's affordable though and is available for <100€, <100€, <100€.

Sample picture:



```
SparkLAN CAS-330" src="http://www.lavrsen.dk/twiki/pub/Motion/WorkingDevices/cas330.JPG"  
title="Sample picture of SparkLAN CAS-330" height="480" />
```

[ChristophHaas?](#) - 30.8.2008

8 channels DVR 240 fps CCTV (no name nor brand)

I buy this card on ebay, this [8 Ch real time 240 fps](#) . I think is a Kodicom 8800 (not sure).

I have testing 6 cctv cameras at 30fps without problems :

```
cat /etc/modprobe.d/bttv
options bttv card=77,77,77,77,77,77,77,77,77 tuner=-1 autoload=0 no_overlay=1 gbuffers=16
```

```
cat /etc/modprobe.d/vloopback
options vloopback pipes=8 dev_offset=8
```

Now you have,

```
dir /dev/video*
/dev/video0
/dev/video1
/dev/video2
/dev/video3
...
/dev/video23
```

And motion.conf set to

```
device /dev/video0
input 0
```

-- [Trebola](#) - 08 Sep 2008

ABS MegaCam? 311M/312M/4210/4220/421M/422M

This range of cameras have JPG and MJPG output from the URLs

```
<literal>netcam_url
http://CAMERA_IP/jpg/1/image.jpg</literal>.....
<literal>netcam_url
http://CAMERA_IP/mjpg/1/video.mjpg</literal>.....
```

They also have URLs to customize output and to control PTZ functionality - ask support and they'll send you the documentation.

-- [AaronKurtz](#) - 07 Jan 2009

Generic

This camera is generic, made (I think) in china. In motion, I get: cap.card "Sirius USB2.0 Camera" in the output of 'lsusb' is: Bus 002 Device 002: ID 0ac8: 3330 Z-Star Microelectronics Corp.



-- [AngelAlvarado](#) - 05 Aug 2009

VISION [VC34HQ?-12](#) / VISION [VC34HQX?-12](#) Day / Night Mini C/CS Box CCTV camera (Super Hi-Res)

<http://www.visionhitech.co.kr/eng/product/vc34series/vc34hq.asp>

- Power source [DC12V?](#)
- Image sensor 1/3" Sony Super HAD CCD OR 1/3" Sony Ex-view HAD CCD
- Effective Pixels NTSC : 768(H) X 494(V) PAL : 752(H) X 582(V)
- H.Resolution 560 TV Lines (Day) / 600 TV Lines (Night)
- Sync. system Internal
- Scanning system NTSC 525 Lines PAL 625 Lines 2:1 Interlaced
- Video output 1.0Vp-p Composite. 75 Ohms
- S/N ratio More than 50dB (AGC Off)
- Min. Illumination 0.1 Lux at F1.2 OR 0.01 Lux at F1.2
- White Balance ATW / AWC / Manual selectable (1800Åf¹šK~10,500Åf¹šK)
- BLC On/Off
- AGC On/Off
- Flickerless On/Off
- Shutter speed NTSC : 1/60~1/100,000 sec PAL : 1/50~100,000 sec
- Operation current 130mA

- Lens mount C-Mount (17.5mm Frange back) ~ CS-Mount (12.5mm Frange back) & Fine focus $\Delta f, \Delta \pm 1.0\text{mm}$
- Iris Control Video Iris / DC Iris
- Operating Temp. $14\text{ }^\circ\text{F} \sim 122\text{ }^\circ\text{F}$ ($-10\text{ }^\circ\text{C} \sim +50\text{ }^\circ\text{C}$)
- Humidity Within 90% RH
- Measurement (mm) 34(W) x 34(V) x 50(L)
- Weight (Approx.g) 200

- The image is automatically converted from Color to B/W at 5 Lux darkness. This function maintains the picture quality at daytime true Color and noiseless clear B/W image at nighttime enhancing the sensitivity and resolution up to 600TVL. With a new DSP and high performance sensor, the camera offers a supreme high resolution of 560TVL at daytime in Color image and 600TVL at nighttime in B/W image. White balance control selectable by Push lock mode or ATW mode enhances the camera's image reproduction capability, suitable for all environments and in variable light circumstances. By using a Sony Ex-view HAD sensor, the camera offers an extremely high sensitivity of up to 0.01lux/F1.2

- Working lenses for VISION [VC34HQ?-12](#) / VISION [VC34HQX?-12](#) Day / Night Mini C/CS Box CCTV camera (Super Hi-Res) : I recommend using Day / Night lenses, like these :

SPACECOM CCTV LENS PHOENIX DAY / NIGHT [TV308DC?-2](#) (DC Iris)

<http://www.spacecom.co.jp/english/product/day-night.html>

- Focal Length : 3 - 8mm
- Maximum Relative Aperture : 1:1.2
- Iris : F1.2 - Approx.360 (With ND Spot Filter)
- Angular Field of View : 92.5X68.5 deg.at 3mm
35.6X26.7 deg.at 8mm
- Image Format : 4.8X3.6mm(D6mm)
- Minimum Object Distance : 0.3m(From Front Vertex)
- Object Dimensions at M.O.D. : 63.1X40.4cm at 3mm
19.3X 14.3cm at 8mm
- Optical Back Focal Distance : 7.25 - 12.81mm(In Airs)
- Flange Back: 12.5mm
- Operation Voltage: Close to Open : Less than 4V
Open to Close : More than 0.5V
- Operation : Focus : Manual
Zoom : Manual
Iris : IG(Auto Close System)
- Operation Temperature : -10 to +50
- Mount : CS-Mount(Adjustable Lens Position)
- Size, Weight : [D36X43X46mm?](#), Approx. 63g

-- [FlorinAnton](#) - 05 Feb 2010

INSTAR IN-2905, outdoor wireless b/g color / ir IP net camera

<http://www.instar-cam.de>

VIDEOSTREAM:

/videostream.cgi[?user=&pwd=&resolution=&rate=]

resolution

8 -> 320*240

32 -> 640*480

rate 0-23

0 highest/fastest

1 0 fps

3 15 fps

6 10 fps

11 5 fps

12 4 fps

13 3 fps

14 2 fps

15 1 fps

17 1 fp/2s

19 1 fp/3s

21 1 fp/4s

23 1 fp/5s

MJPEG: netcam_url <http://x.x.x.x/videostream.cgi?user=admin&pwd=>

MPEG4: netcam_url <http://x.x.x.x/videostream.asf?user=admin&pwd=>

Snapshot: netcam_url <http://x.x.x.x/snapshot.cgi?user=admin&pwd=>

Motion configuration:

netcam_url <http://x.x.x.x/videostream.cgi>

netcam_userpass username:password