

PC CAM

User's Manual

- 1.3M pixel physical resolution
- High quality 1/2 glass lens
- Infrared night vision
- Bright white LED lamp
- Headphone connector with the mic and earphone at the PCcam stand



CE FC USB

Structure

This MINI PC CAM is a PC CAM to resemble the machine to receive video signal from a computer USB directly, headphones a MIC.

1. The machine ultra clear 1.3M resolution PC camera module
2. An USB extension line length 1.5m into the computer
3. Extension line length 1.5m connects into the computer mic and earphone connector into the PC cam stand
4. 2 infrared LED operate by right middle bottom
5. 3 white bright LED operate by right lower bottom
6. snap shot function operate by right top bottom

Basic Computer inquires

- A computer system equipped with Pentium 1 900 or above
- One available USB port
- Operating system: Windows98/2000/ME/XP
- DRAM: 128MB or above
- 200MB of free hard driver space
- CD ROM
- Sond card, Speak, Microphone are required for video and audio recording
- A modem or LAN card is required for applications of video conference and video mail
- Display Resolution: 1280 x 1024 SXGA(under theDirect9.0 edition)

Photo Image Application program

- WDM USA Driver
- TWAIN
- Direct Show
- VFM Expansion Driver Direct Show Recorder

Install Driver

Make sure USB port is functionable before plug in the Q-CAM Mini PC Camera

1. Turn on the computer power first, and don't plug the Q-CAM PC Camera yet.
2. Insert driver CD into CD ROM, and show 'Q-CAM Driver install'
3. Click 'install Q-CAM Driver ' after that click 'Next'
4. Click 'Next'
5. Click 'install', then the install program will copy the files
6. Click 'Finish' to complete the driver installation and restart Windows system.
7. Plug the Q-CAM in computer USB port & audio port
8. Windows will auto detect new USB device and configure the device automatically

Specification

Function items	Spec.Description
Camera Lens	1/2" CMOS PC CAMERA
Pixel	SXGA Format (1280x1024)
Resolution	1280x1024,640x480,352x288,320x240,176x144,160x120
Frame per sec.	Up to 30fps@640x480 15fps@1280x1024
CaptureResolution	Up to (1280x1024)
Focus Distance	3cm-infinity
Lens wide angle	56 degree Diagonal
Brightness	Auto
Exposed control	Auto
Image format	RGB24
Power consumption	Full Run: 160mw
Operation System	Windows 98 / 2000 / ME / XP
IO Interface	USB2.0, Full Speed
USB Microphone	-45DB
LED Light	3 high bright white LED Light, 2 infrared LED Light
Infrared Light	0-2m high power

Adjust Picture parameter

Q-CAM is able adjust the picture parameters into your favor quality setting. Please read the follow instructions for adjustment:

1. Click 'start' icon, pointing the arrow to program and move right to USB2.0 PC Camera Click AMCAP, screen shall display the image on the "AMCAP" widows. if not, select 'Options' on the top of the window, after click 'preview' to capture the image on screen.
2. Click 'Option' on the top of the window, Click 'Video Capture Filter' to enter 'Camera Property Set', you can adjust the following values:

- | | | |
|--------------|---------------|-------------------|
| ● Brightness | ● Tone | ● Quality |
| ● Contrast | ● Clear | ● color |
| ● Saturated | ● equilibrium | ● Restore Default |

After configure all the values, click 'Apply' to see. If accept, click 'OK' back to video picture.

3. In the low luminance condition, you can select the option " Low light" to improve the quality of image.
4. If you want get the special effect of the image in Black-White color. Please select the " mode of Black-White.
- * 5. In the mode of the special infrared lighting, you can select the option: "Close" or "Open" when you press the light's button.
6. Click 'Options' and click 'Video Capture Pin'. Frame Rate sets on 15fps, color select 'RGB24' or '1420', there are 5 pixel sizes are selectable: 160x120, 176x144, 320x 240 , 352x288 , 640x480, 1280x1024, click 'OK' back to Video capture screen.

Recording and Capture the picture

A. Live Recording

1. Under operating the ' AMCAP ' , click 'Set Capture File', input file name. Select file name <.avi>, click 'Open' and click 'OK'.
2. Click 'Capture', if select 'Capture Audio', will capture the picture with voice. Ignore 'Master Stream' function.
3. Click 'Set Frame Rate', you can set how many frames per second. Click 'Use Frame Rate', click 'OK' will complete your 'Set Frame Rate' setting.
4. Click 'Set time limit' is to set the record time. After setting , click 'Use Time Limit', click 'OK', you may start to record the video. Click 'Capture', aiming the USB camera to the target, click 'Start Capture' will indicate 'Ready to record'. Click 'OK' will start recording. timer starts to count down, and will stop until times out record completed.
5. Click 'my Document' on the desktop screen.
6. Click the recording file names to review the result.
7. Recording function can operation under 'Vidcap' program.
8. Click X to close ' AMCAP ' , back to desktop.
9. Remark: Press 'Esc' key to stop recording if you didn't set the recording time.
10. Aim at the scenery that to take, press to postpone take photo a portrait for, canning immediately take automatically over 5 empresses you want.

B. Capture single or multi pictures

1. Click 'start' icon, move arrow to 'programs', click 'VidCap ' to see if capture video function is working. If no picture or error display, click the third pattern on the left screen, will see the live pictures.
2. Aiming USB camera to the target. Click fifth pattern on the left, and capture a still picture .click 'Files' and click 'Save Single Frame' to set the file name. Click 'Save' to storage your still mode of picture.
3. Browing the files click 'My Document' and click save file name. Select 'Imaging' program to view the storage file.
4. Click the third pattern on the left can recover the live video mode.
5. Click sixth pattern to capture stil mode of pictures.
6. Click seventh pattern on left to capture the multiPictures. You could capture the picture in picture under the TWAIN program too.
7. Click 'start' and move arrow to program. Click application of the imaging line.
8. Click files and click 'Scan New Picture' function. Click 'Video captures Pin'
9. Select 'Color Space', clicks 'RGB 24', Click OK, screen will display the target view.
10. Click 'Snapshot' can capture single picture.
11. Click 'File' and save the files after input the file name and complete the files saving.

Remark: If you require the image in the diverse resolution. Please shooting in the ifferent mode of the VAG snap shot function in the control panel of Video Capture Filter.

Infrared Light Function

For infrared lighting, please review the "Adjust Picture Parameter" step *5.

