
DK8051NC User's Guide

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1. Component

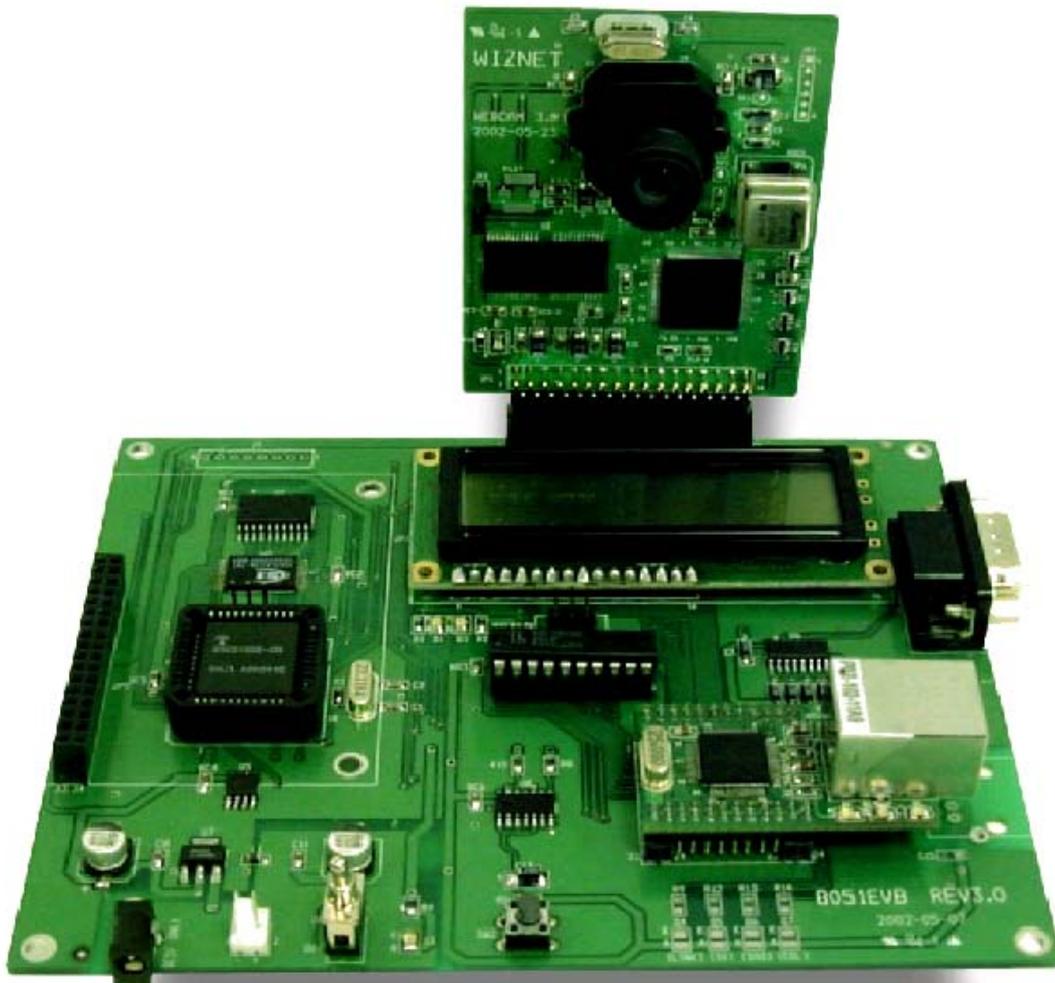
Item	Quantity	Remarks
MB-EVB8051	1	Rev 3.1
NM7010A	1	Rev 1.1
NC Module	1	Rev 3.0
UTP Cable	1	Cross Cable
Serial Cable	1	Cross Cable
5V Adapter	1	Power Adapter
CD	1	

2. How to configure hardware?

- ① Configure EVB8051's Jumper

	Pin No.		
JP2	1 (Flip)	2 (App)	Switch to App

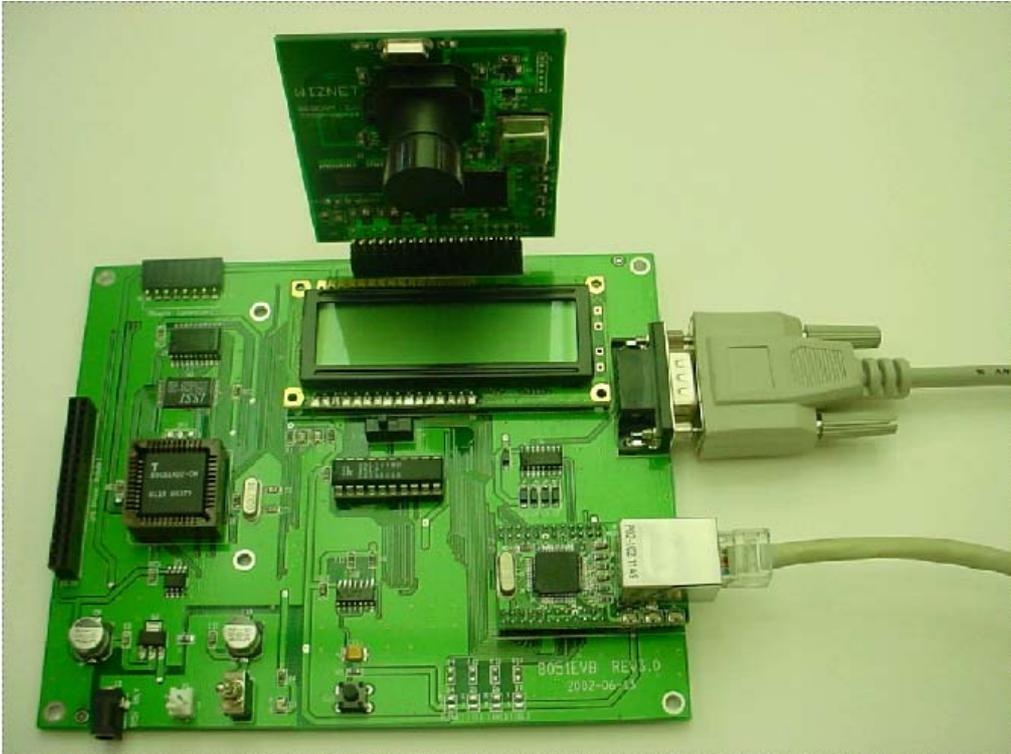
- ② Connect NC Module's JP3 to EVB8051's JP4(Network Camera).



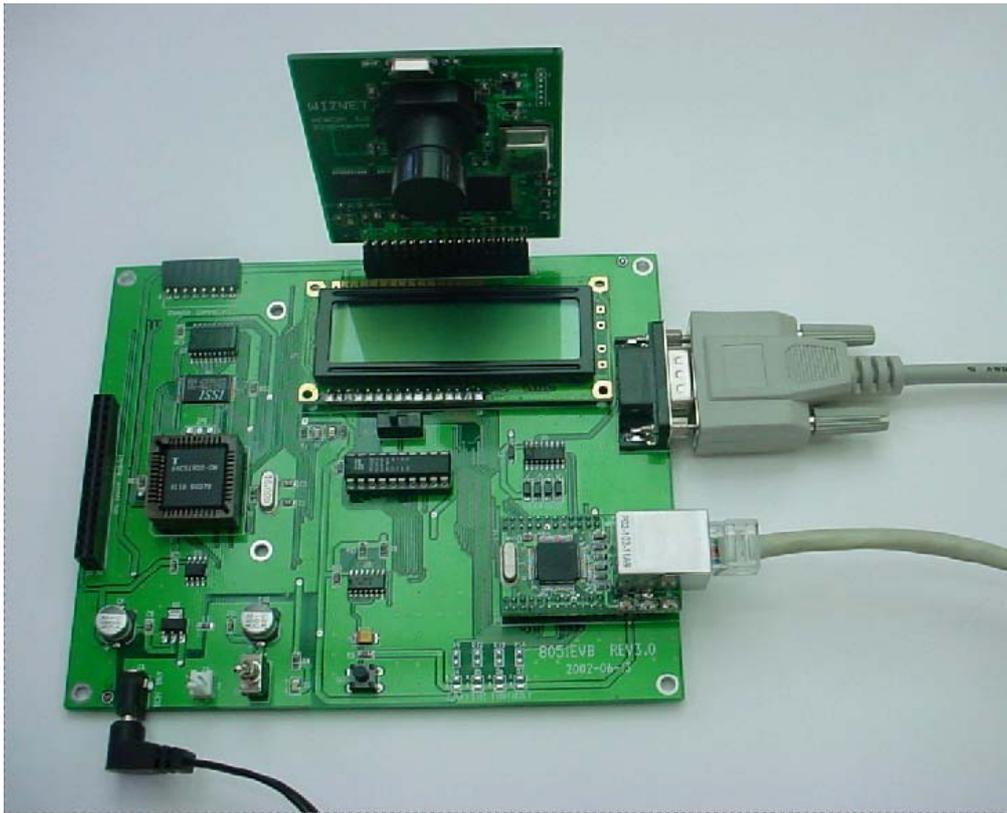
- ③ Connect EVB8051's P1 to PC with Serial Cable.



- ④ Connect EVB8051's U9 to PC's NIC(Network Interface Card, LAN card) with UTP cable(Cross cable)



- ⑤ Connect **5V Adapter** to EVB8051's **J3**.



3. How to install Firmware?

* Refer to EVB8051 Manual

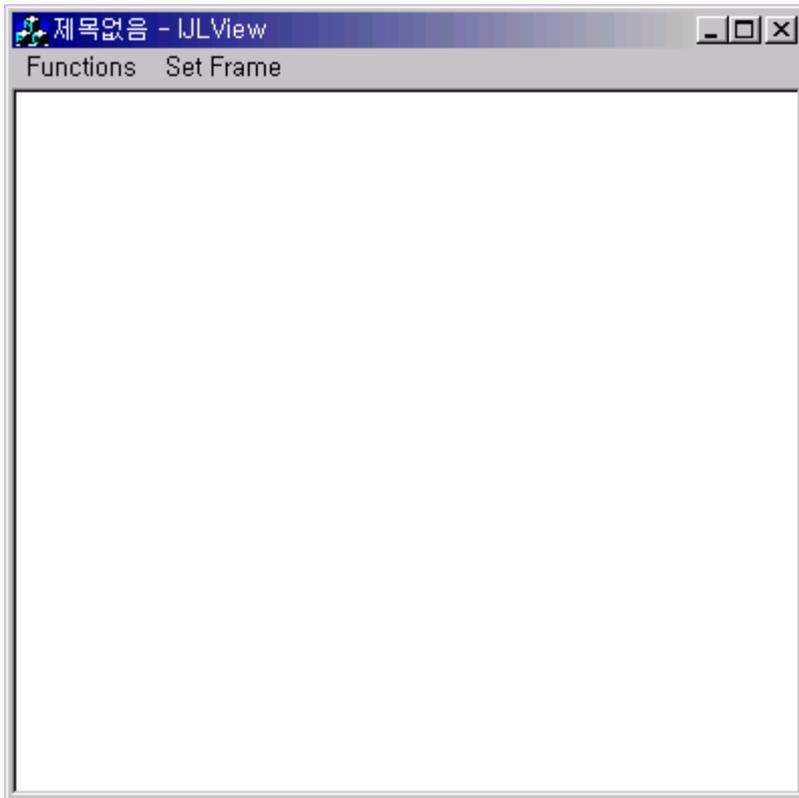
4. How to install PC Application?

- ① How to install IJLView Application
 - A. Double-click webcam.exe file in CD.
 - B. Set path to install program and click next.
 - C. Set group and click next.
 - D. Start to install.

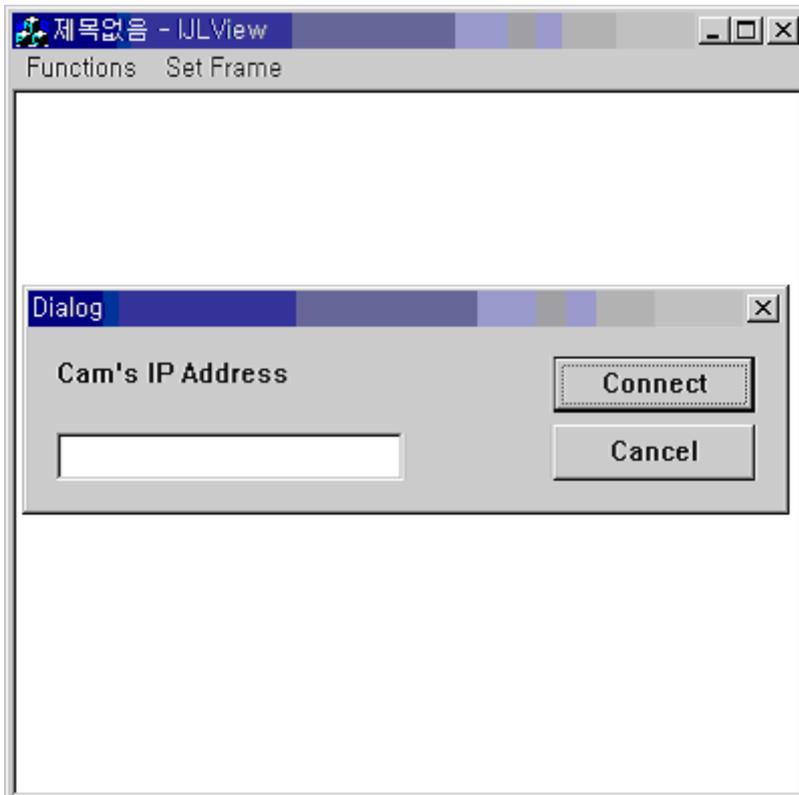
- ② How to set Null Modem program
 - A. Execute Hyper Terminal on PC. set name to connect optional and click next.
 - B. Select COM Port connected into PC in Null Modem and click next.
 - C. Set as follows.
 - bit/sec : 57600
 - Data bit : 8
 - Parity : None
 - Stop bit : 1
 - Flow control : None

5. How to use?

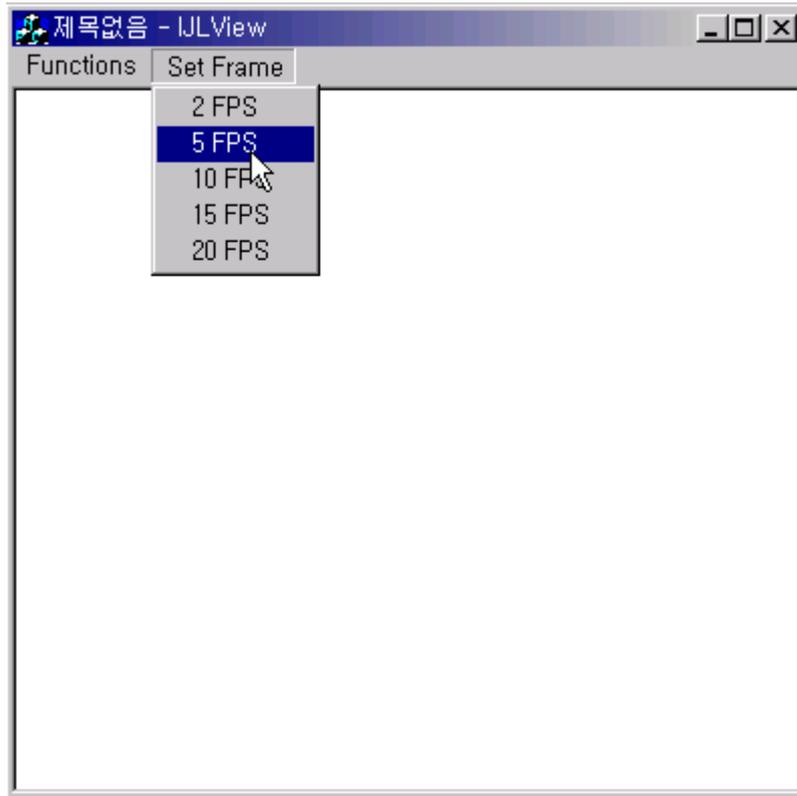
- ① Run IJLView program on PC.



- ② Select "Connect" in Functions Tap and input "192.168.0.2", click "Connect" button.



- ③ Select Frame number(2FPS or 5FPS) in Set Frame Tap.



- ④ Through image on IJLView Program, test WebCAM.



- ⑤ To finish test, select "Disconnect" in Functions Tap.



6. FAQ

- ① Timeout occurs on Ping execution for testing Ethernet connection.
 - > Check whether the UTP cable is correctly connected to U8.
 - > Provided UTP cable is cross cable for direct connection. So you cannot use it for connecting to Hub. Instead of it, please use normal UTP cable.

- ② There is no image in IJLView program's window.
 - > Check the Jumper(JP2) in EVB8051 board
 - > If Jumper's configuration is correct, reset EVB8051. And then check it again.

- ③ Occurs error message, "Fail to Getting JPEG. Operation will be stopped" after select Set Frame in IJLView program.
 - > When you connect IJLView, please check IP address is same as "192.168.0.2".
 - > Reset EVB8051. And then check it again..

- ④ Cannot download program with Serial cable.
 - > Check connection of Serial Cable.