

MP-6802

User's Manual

Edition: 1.2

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Manual Classification

In order to assist in the use of this product, Taiwan Commate has categorized the user manual. For detailed product information and specifications, please carefully read the "Product User Manual".

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Packing List:

Please check package component before you use our products.

MP-6802 board

Quick Installation Guide

CD for manual and Demo drivers

Cable Kit (Com Cable, Camera Cable)

Cable Kit:



Camera Cable X1



Com Cable X1

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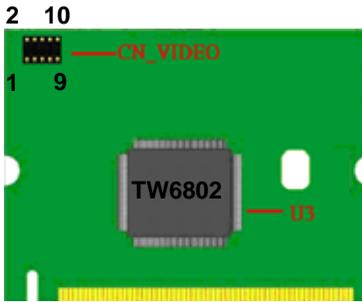
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Chapter 1 <Introduction>

1.1 <General Information>

General Specification	
Form Factor	1 ~ 4 video input Mini-PCI Capture Card
Video Decode Chipset	One TW6802
Chipset Option	Two 10bit video CMOS analog/ digit controller (ADCs)
Output Type	NTSC (M), NTSC (4.43), PAL (B, D, G, H, I), PAL (M), PAL (N), PAL (60) and SECAM (M)
Resolution	NTSC 720*480 , NTSC 640*480 , NTSC 320*240 , NTSC 160*120 / PAL 720*576 , PAL 384*288 , PAL 192*144
Internal I/O Cable	1 X VIDEO Cable
External I/O Cable	1 X 1~4 channel video input (BNC connector) Cable
Dimensions (W x L)	45mm x 60mm

1.2 <Connector Location>



1.21 <VIDEO Port>

Connector: **CN_VIDEO**

Type: 10-pin (5 x 2) connector

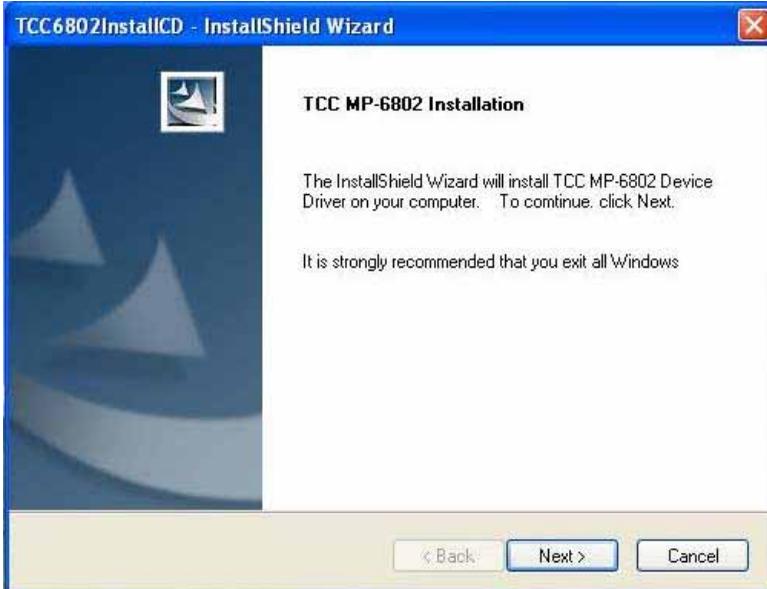
Pin NO.	Signals	Pin NO.	Signals
1	VIDEO1	2	VIDEO2
3	VIDEO3	4	VIDEO4
5	GND	6	N/C
7	N/C	8	N/C
9	N/C	10	N/C

1.3 <Driver Setting>

1. When completed the Hardware installation, Please select the file location **X:\Driver\MP-6802\SETUP**.



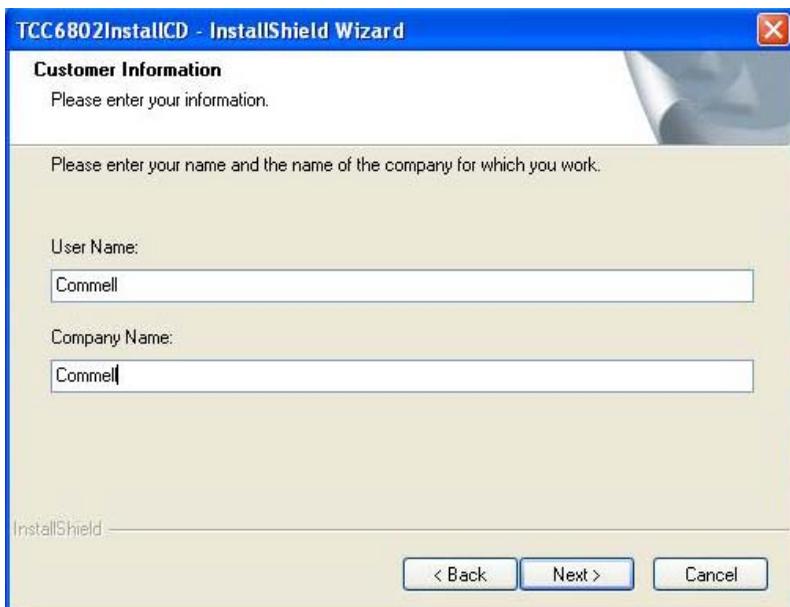
2. Please choose **“Next”**.



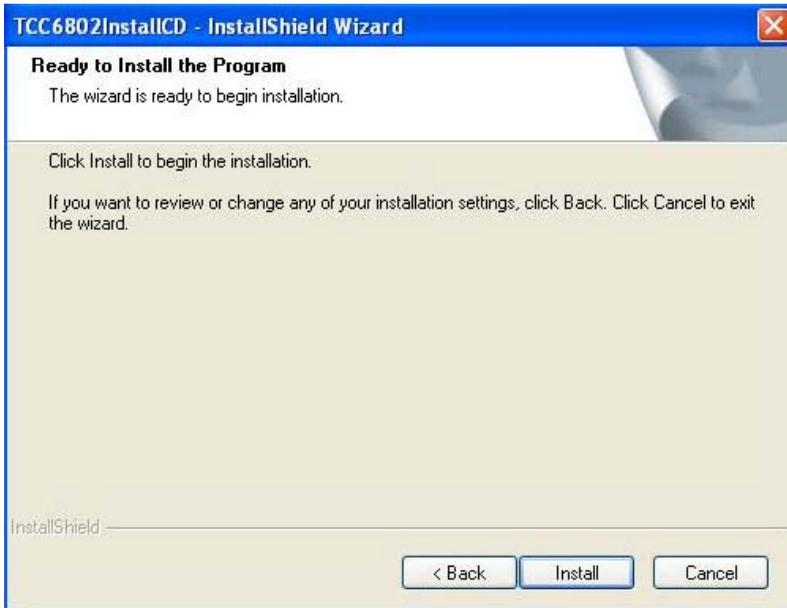
3. Please choose **“I accept the terms of the license agreement”** the press **“Next”**



4. Please fill in **“User Name”** and **“Company Name”** then press **“Next”**.



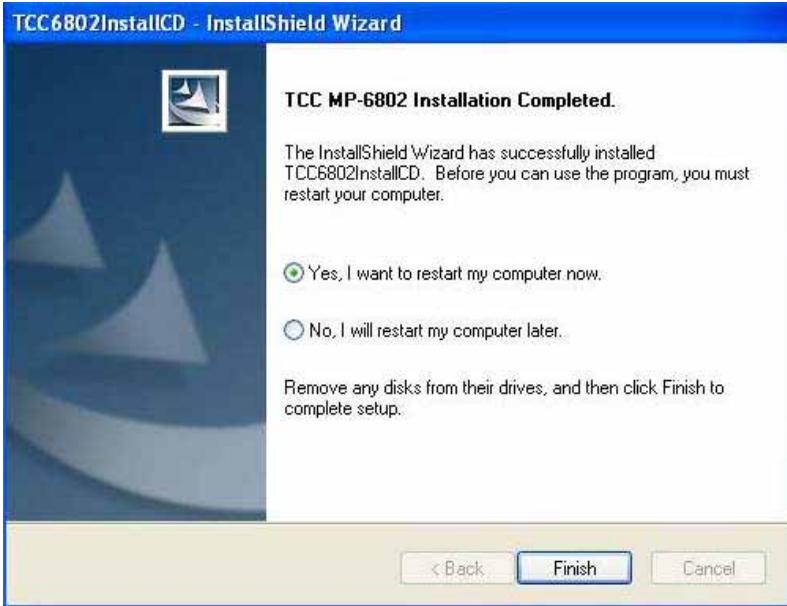
5. Please choose **“Install”**.



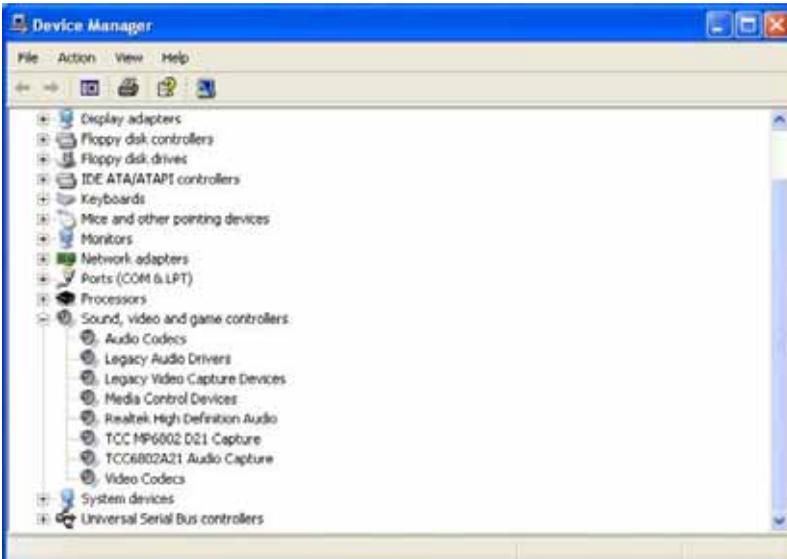
6. Please TCC MP6802 D21 Capture and TCC6802A21 Audio Capture both choose **“Continue Anyway”**.



**7. Please choose “Yes, I want to restart my computer now.”
the press “Finish”**



8. After driver install, please enter Device Manager, Driver Install OK!!



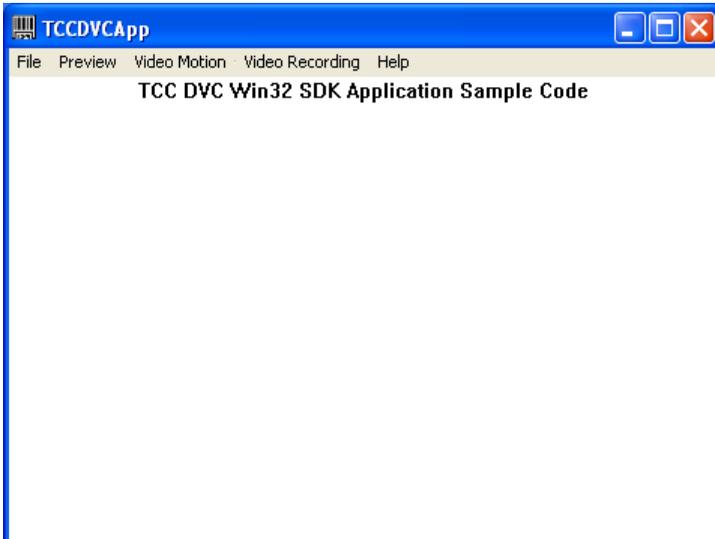
1.4 <Sample Program>

1. You can use COMMELL “**TCCVDCApp**” as your sample program to start your application or as a test application for learning the functionality of TCCDVC application and DII library. User can find the execution application on desktop window or find the source code and execution files in directory [C:\Profram Files\Commate\TCC6802\](#).

By running TCCDVCApp.exe



2. Please choose “Preview”.



1.41 <Preview>

1. If you Setting 0 Device as 4 Channels. The program show will be as following.



Explanation of Sample program function



The screenshot shows a software interface for video control. At the top is a dark gray video preview window. Below it is a 'Video Control' section with several settings: 'Device ID' set to 0, 'Channel ID' set to 0, 'Status' as 'Idle', 'Color' as 'N/A', 'Video Size View' button, 'Rate' set to 0 f/s, 'Video Resolution' set to 'N/A', 'Video Standard' set to 'None', and an 'Image Adjustment' button. Below these are 'START' and 'SnapShot' buttons. The 'Channel No Setup' section has 'Device' set to 0 and 'Ch' set to 1. At the bottom are 'Control Unit' with a 'GPIO' button, and 'Callback Test' and 'Close' buttons.

Device ID:
It is mean Techwell Chipset. One MP-6802 have 1 chipset, so, Then you can see “Channel No Setup” Device: 0.

Channel ID:
Per chip can support 4 Video input, So, Then you can select 0/1/2/3 for Video input.
But you'll need to set “Channel No Setup” Ch first.

Channel No Setup:
Please set number of video-In channels per Device. Per device is allowing 4 channels.

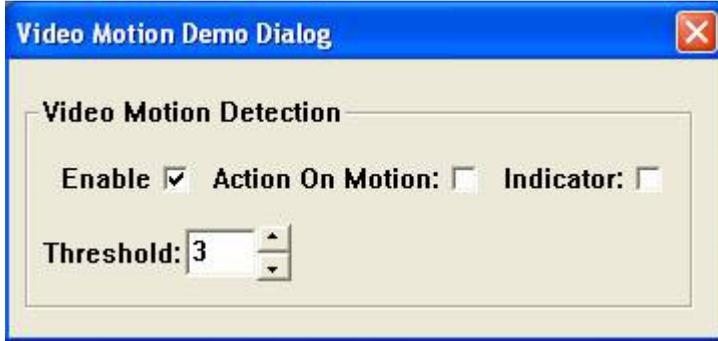
Snapshot:
Catch the image on working channel.

Callback Test:
Catch the series image on working channel

Note:
Every channel is work separately, when you want to change any setting, please stop all channels which working.

1.42 <Video Motion>

Please choose “Video Motion”, then you can see program interface as following.



Enable:

If user “ check ” this box, it will enable video motion detection.

Action On Motion:

If this box is checked, the registered call back function will be executed, when video motion is been detected. The call back function needs to be registered during application initialization.

Indicator:

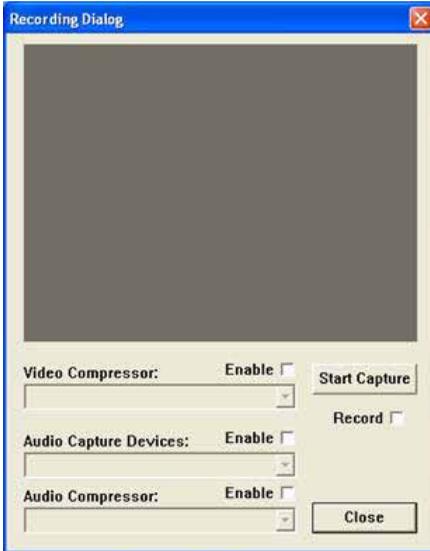
If this box is checked, it will show red spots as an motion indication, when the video motion is been detected.

Threshold:

Select motion detection sensitivity level, the number smaller, the sensitivity stronger.

1.42 <Video Motion>

Please choose "Video Recording", then you can see program interface as following.



Video Compressor:

Enable video compressor link, the list box window will list all video compressor components in the system. The user can select its own video compressor from the list, if user has installed own video compressor.

Audio Capture Devices:

Enable audio capture device link, the list box window will list all audio capture device in the system. The user can select one of audio device from the list.

Audio Compressor:

Enable audio compressor link, the list box window will list all audio compressor components in the system. The user can select its own audio compressor from the list, if user has installed own audio compressor.

Start Capture Button:

Press the button, the test program will start to run, user will see real time video on the preview window.

Record:

User check this, it will start to record the video.

Contact Information

Any advice or comment about our products and service, or anything we can help you please don't hesitate to contact with us. We will do our best to support you for your products, projects and business.

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