# **MP-6802**

# **User's 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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# Chapter 1 <Introduction>

# 1.1 < General Information>

General Specificati	on
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)
	NTSC 720*480 , NTSC 640*480 , NTSC 320*240 ,
Resolution	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)	45nm x 60nm

# 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"

TCC6802InstallCD - InstallShield Wizard	
License Agreement Please read the following license agreement carefully.	
Taiwan Commate Computer(TCC) Inc. Software License Agreement IMPORTANT - READ CAREFULLY: This TCC License Agreement is a legal agreement between you (either an individual or a single entity, purchaser or end user of the product) and Taiwan Commate Computer Inc., for the software identified, which includes computer software and may include associated media, printed materials, additional computer software applications, and online or electronic documentation (SOFTWARE). By downloading, installing, copying, or otherwise using the SOFTWARE), you agree to be bound by the terms of this LICENSE. If you do not agree to the terms of this LICENSE, on to install or use the SOFTWARE; this license grants you a non-exclusive, and limited license to install and use only a single copy of the SOFTWARE on a single product.	<
<ul> <li>I accept the terms of the license agreement</li> <li>I do not accept the terms of the license agreement</li> <li>InstallShield</li> </ul>	
< Back Next > Can	cel

# 4. Please fill in "User Name" and "Company Name" then press

#### "Next".

TCC6802InstallCD - InstallShield Wizard	
Customer Information Please enter your information.	N.
Please enter your name and the name of the company for which you work. User Name:	
Commell Company Name:	
Commel	
InstallShield	Cancel

TCC6802InstallCD - InstallShield Wizard	
Ready to Install the Program	191
The wizard is ready to begin installation.	
Click Install to begin the installation.	
If you want to review or change any of your installation settings,	click Back. Click Cancel to exit
the wizalu.	
InstallShield	

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"

TCC6802InstallCD - Inst	allShield Wizard
	<ul> <li>TCC MP-6802 Installation Completed.</li> <li>The InstallShield Wizard has successfully installed TCC6802InstallCD. Before you can use the program, you must restart your computer.</li> <li>Yes, I want to restart my computer now.</li> <li>No, I will restart my computer later.</li> <li>Remove any disks from their drives, and then click Finish to complete setup.</li> </ul>
	KBack Finish Cancel

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.

Preview Window Dialog				8
Device 70 a 0 Channel 10 ±0	Device ID ( 0 Channel ID 2)	Device 10 = 0 Channel 10 = 2	Dentice 10 ± 0 Channel 10 ± 3	Video Control Device ID: 0 •
				Color N/A  Video Sien View Rate  1/s
				Video Resolution N/A  Video Standard Video Standard Tione  - Image Adjustment START SnapShot
				Charvel No Setup Device Ch 0 • 1 • Control Unit OPID Caliback Test Close

#### Explanation of Sample program function



#### 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.

Video Motion Demo Dialog	×
Video Motion Detection	
Enable 🔽 Action On Motion: 🗖 Indicator: 🗖	
Threshold: 3 *	

#### 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.

economie onaioe		
Video Compressor:	Enable 🗆	Start Capture
Video Compressor: Audio Capture Devices:	Enable F Enable F	Start Capture

#### 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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