

EMI TEST REPORT



Report Number : KSQ-FCC041019

FCCID : SMVDIVIS-MPG

Appendix B - User's Manual

Please see attached document(s).

DiViS-MPG DVR

(Digital Video Security System)

(Digital Video Recorder)

Hardware Installation Guide

Version : 1.00.00

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions : (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

INFORMATION TO THE USER

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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Preface

This guide book describes the hardware components and the how to install the hardware of DiViS MPG DVR. As for the hardware of DiViS MPG DVR, you are required to take a look at this book.

However, as for the software matter including set up and functions, etc., please refer to “MPG DVR Installation and User’s Guide”.

This guide book is applicable to, among CHANCE--i’s products, DiViS MPG 12004, 24008, 48016 board of capture board.

The board shapes and item names may be slightly different in according to client’s model and versions and subject to hardware upgrade. But, the user’s Guide may be similar.

For any question you have, please contact to the following address.
When you are sending your concerned matter, please include your country and phone number.

E-mail : dvr@chance-i.com

Phone No. : +82-2-2164-9007

1. Features

About DiViS-MPG

- **4, 8, 16 Camera Inputs / Output**

- Normal input condition: 75 Ohm, 1 Volt (p-p)

- **1~16 Sensor Inputs**

- As default,
 - 4 channel: 4 sensors (16 sensors; optional)
 - 8 channel: 8 sensors (16 sensors; optional)
 - 16 channel: 16 sensors
- Power of DC 12 Volt is required to provide from outside.

- **1~16 Digital Outputs (Relay Outputs)**

- As default,
 - 4 channel: 4 Relays (16 sensors; optional)
 - 8 channel: 4 Relays (16 sensors; optional)
 - 16 channel: 8 Relays (16 sensors; optional)
- Power of DC 12 Volt is required to supply from outside.

- **Sound Recording and Two Way Communications Capabilities**

- 16 channel sound recording.
- Each channel can have two way of communication, one by one channel.
- To support one on-board audio card

- **Multi-Viewing**

The multi viewing is applicable to one of 1, 4, 6, 9, 10, 16 camera views including the enlarging screen feature.

- **PAN/TILT/ZOOM/FOCUS Capabilities**

You can control the camera by the DiViS program just like manipulating the camera by controller, if the camera supports PTZ control, of course.

- **Auto Rebooting System**

When DiViS DVR system detects a malfunction in the system and this feature is set to enable, the system automatically is to reboot and correct the mal-functions. It is called as Watch-dog feature.

- **Motion Detection and Sensor Trigger**

It is possible to record images only when movements are detected, which permits you to exclude unnecessary storage for recording. Consequently, you can optimize the storage disc space as maximum.

- **Scheduled recording**

You can make the schedule recording in accordance with program you made.

- **Data Backup and Auto Backup**

Data Backup can be transferred to different media like DAT, CD, or DVD and you can undertake the data - backup of the specific camera and also to get a video clip of the dates and the time designated. And just like the scheduled recording, the scheduled backup program can be attained.

- **Digitalized Video Search**

Recorded data can be played back, digitally, one or multiple camera at the designated time. And by inputting of the date and the time, you can ,not only, retrieve an image from the video, but also save separately and print it out and not to mention, enlarge and edit it.

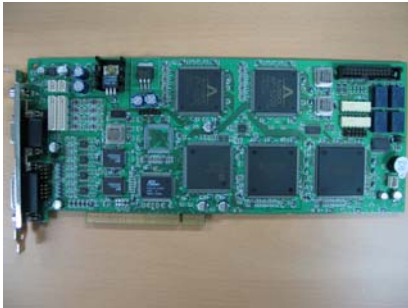
- **Network Support (TCP/IP , ISDN ,PSTN Support)**

With network software, you can log in DiViS-main remotely to search and save the video data locally, and even change the settings of the operating programs..

2. Installation notes

- Recommend to use an Intel chip main board.
- More than 256MB of memory and 80GB hard disk space.
- Compatible OS: Windows 2000,XP.
- Higher version Main Boards than Intel BX Board, are preferred.
- Screen Savers must be "Disable".
- In C-MOS Set-Up , Various configurable Mode such as System standby, monitor energy saving, and hard disk energy saving should be checked to be " Disable".
- For Sound recording, Apparently Direct 8.0 or higher version shall be installed.
- Program version number and driver's information must be tagged for the reminding.
 - VGA shall be ATI Product , or , higher than 128 Radon.
- If you try to use over than 160 GB of HDD, your OS should be updated with the latest Service Pack.

3. Products and Components



DiViS-MPG (240Frame, 8Channel)



DiViS-MPG Accessory

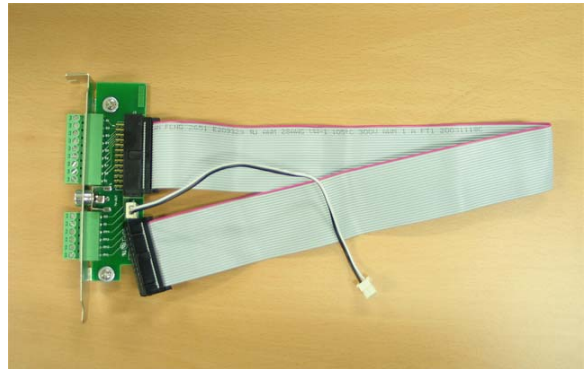
Above Boards and their accessories may be subject to change by upgrade of hardware,etc

4. Install Capture Board

DiViS-MPG Board and Accessories



DiViS-MPG Board



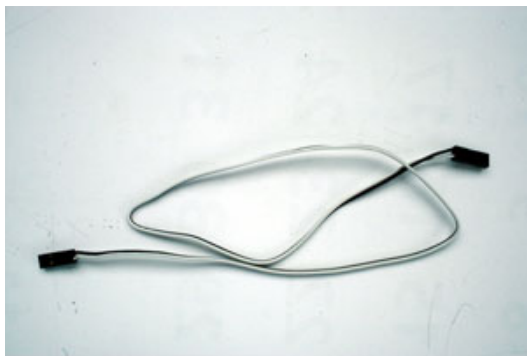
TV-Out, Sensor, Relay



Video Input cable

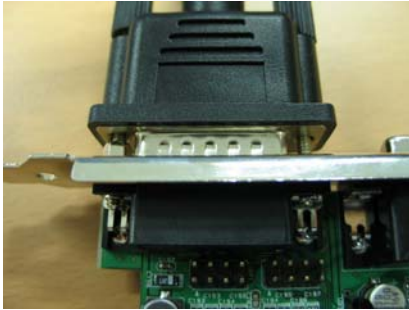


Audio Input cable

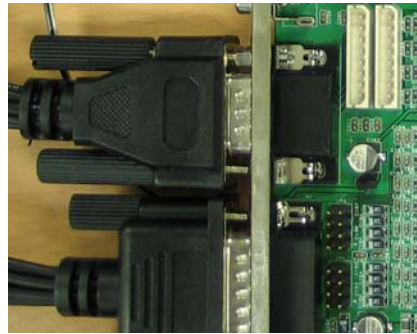


Watchdog

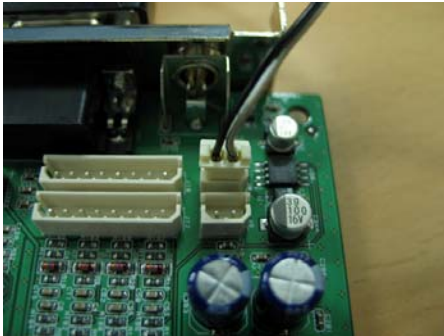
① Connect Audio Input cable



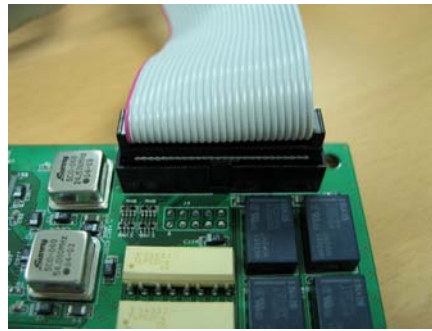
② Connect Video Input cable



③ Connect TV-OUT cable



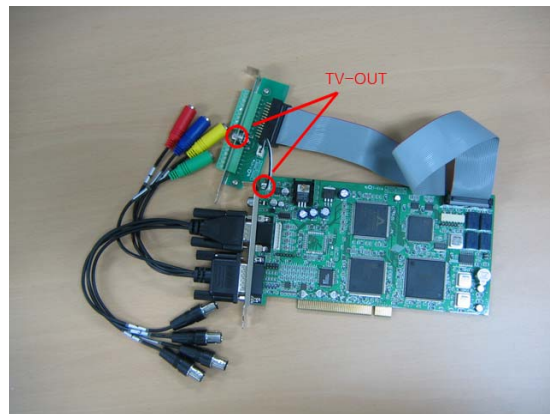
④ Connect Sensor Relay cable



⑤ Connect Watch dog cable



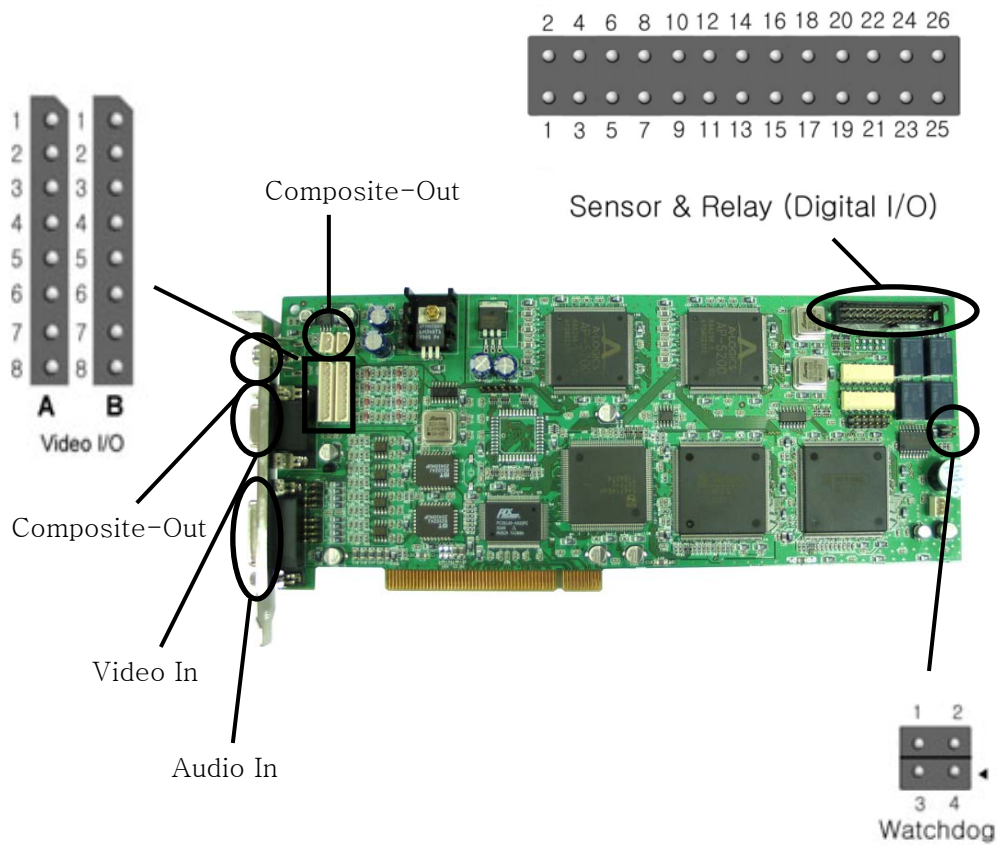
Assembly View



– Note –

1. Please refer to notes in [DiVis-MPG Board and Accessories](#)

5. Pin number



Video I/O	
Pin name	Pin number
Video In	1, 3, 5, 7
Signal	2, 4, 6, 8

Video I/O (Camera Connector)	
Group name	Camera number
A	Camera 1~4
B	Camera 5~8

Sensor & Relay(digital I/O)	
Pin name	Pin number
Sensor Input 0~7	1~8
Input Common 0~1	17, 18
Relay(Digital) Output 0~3	19~22
Output Common 0~1	23, 24

Watchdog	
Pin name	Pin number
Signal Ground	1, 3
Reset Signal	2, 4

* Pin Arrangements of MPG 48016 are as follows.

Video I/O (Camera Connector)			
MPG 24008-1		MPG 24008-2	
Group name	Camera number	Group name	Camera number
A	Camera 1~4	A	Camera 9~12
B	Camera 5~8	B	Camera 13~16

5-2. Accessories

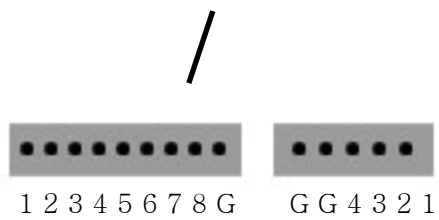
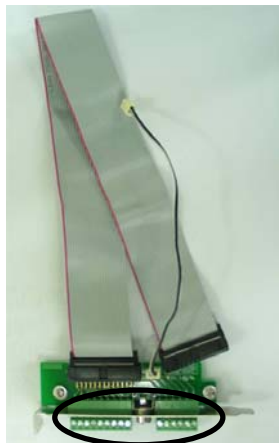
* Pig tail



Video Input



Audio Input



Sensor & Relay (Digital I/O)