

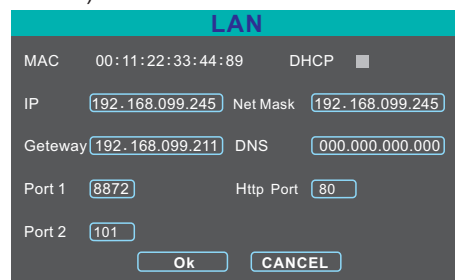
### Remote Controller



### Instructions of Software Installation on Mobile Phones

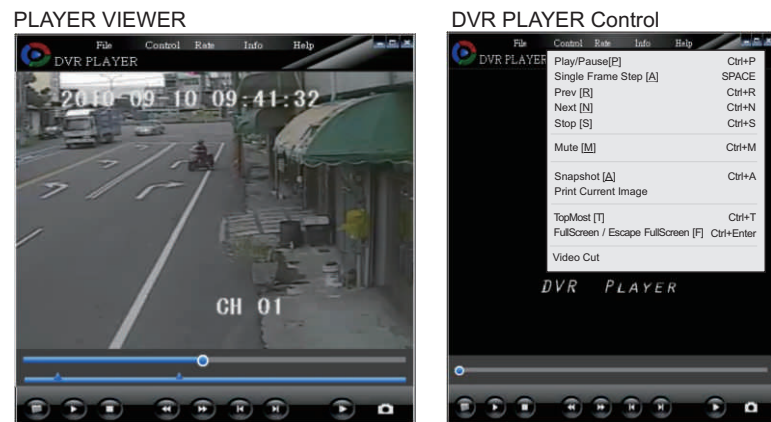
Mobile device application software can be remotely connected DVR, monitor real-time images display. Mobile device must install the application software beforehand. Supported operating systems are Symbian, Windows Mobile, APPLE iPhone, Google Android and Blackberry.

※The mobile software (TMEye) can be supported starting from the version V3.0.14. (part 2) For the mobile port setting, please follow DVR network port 2. Try to download the latest mobile software. If needed to use the old version mobile software, please plus "1" for the mobile setting. (Ex: If the DVR port 2 setting is: 101, then the old version mobile software should set to 102.)



※ Please see the Mobile viewer instruction for setting up the cell phone software.

### DVR Player



### HDD Support List

Suggest to install the Hard Driver listed below to make sure the compatibility.

Brand	Model Number	Capacity
SEAGATE	ST3250310CS	250G
	ST3320410SV	320G
	ST3500418AS	500G
	ST3500312CS	500G
	ST3750528AS	750G
	ST31000424CS	1T
	ST31500541AS	1.5T
HITACHI	ST32000542AS	2T
	HCT721025SLA380	250G
	HCT721032SLA380	320G
	HCP725050GLA380	500G
	HCT721010SLA360	1T
WD	HDHCT721010LAS360	1T
	WD3200AVVS	320G
	WD3200AAKS	320G
	WD5000AVVS	500G
	WD5000AAKX	500G
	WD10EURS	1T
	WD10EVDS	1T
	WD10EVVS	1T
	WD15EARS	1.5T
	WD20EARS	2T
WD2001FASS	2T	

### USB Flash Disk Support List

The following recommended flash drives have passed all testing procedures and are safe to a:backup, b:Playback by PC, and c:update firmware.

BRAND	UNIT:GB	1	4	8	16	32
Transcend			✓	✓	✓	✓
Adata		✓	✓	✓	✓	✓
SONY				✓	✓	
SanDisk			✓	✓	✓	
Kingston			✓	✓	✓	

### Systems Setting

#### ★Connect camera to DVR with BNC connectors

Recommend using RG-59 Coaxial Cable or above.

#### ★DVR Network Installation

Please connect DVR to HUB or router by using RJ-45 network cable and make sure the DVR network indicator LED is on. ( Please refer to manual [7.2.7 Network Setup] for further network setting information of using static IP, PPPoE or DHCP.)

#### ★Alarm Installation

Please refer to manual [3. Rear Panel] for external alarm I/O installation. Please refer to manual [7.2.4 Alarm In] & [7.2.5 Alarm Out] for further Sensor setting.

#### ★Speed Dome Installation

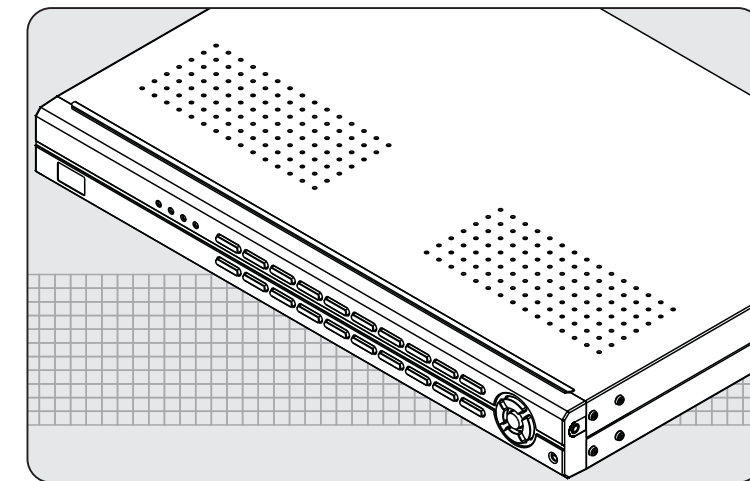
This product can be installed protocol (Pelco D, Pelco P, MIKAMI, LILIN, Samsung)

#### ★Power Installation

Please use the provided power cable and adaptor to connect the DVR ( AC100V ~ AC240V ). Please refer to manual [3. Rear Panel] . The DVR system will enter into live viewing mode when power is connected. Please refer to manual [6. Display Setup] .

## H.264 16CH Digital Video Recorder

### ● Quick Operating Instruction ●



2011 MAY V1.2



### Before Power Up The System

- ★Please install the SATA HDD and connect all of SATA power lead & data cable before switch on the machine, otherwise the system will not record normally.
- ★It is able to install HDD at any position of SATA If only one HDD installed.

### After Power Up The System

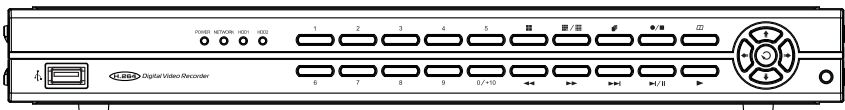
- ★The system boot up will take up to 1-2 minutes. Please be patient.
- ★Please login your Account(admin) into system and set User Account/Password. HDD format when being installed. (After formatting the system will start recording automatically.)

### Accessory

- ★Quick Reference x 1pcs
- ★Power Cord x 1 pcs
- ★HDD Screws x 8pcs
- ★Manual CD x 1pcs
- ★Remote Control x 1pcs
- ★Mouse(Optional)



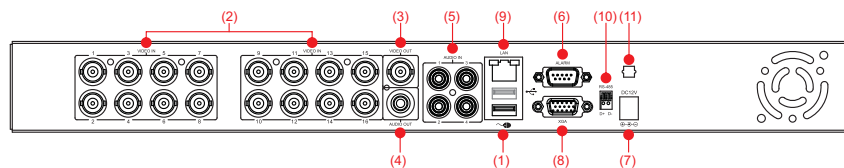
## Front Panel



	MENU	Under the live viewing mode, press MENU to enter the main menu. Under the menu mode, press MENU to go to the upper menu.
	Manual Record	Press the Manual Record button to start recording under the live mode.
	Stop	To stop the operation or go to the upper menu under the playback mode.
	Pause	To pause the playback under the playback mode.
	Step Forward	To playback frame by frame in each time under the pause mode during the playback.
	Play	Under the live viewing mode, press the Play button to enter the playback mode.
	Fast Rewind	Rewind speed: x2 / x4 / x8 / x16
	Fast Forward	Forward speed: x2 / x4 / x8 / x16
	Slow Forward	Slow forward speed: 1/2 / 1/4 / 1/8
	Up / Down	To move up or down of the selection setting in the menu. Under the live mode of Single/Quad/9 display, use the button to control video display.
	Left / Right	To move left or right of the selection setting in the menu. Change to Single/Quad/9/13/16 division display under the living mode.
	Enter	Press the Enter button to confirm the setup or go into sub-menu.
	Power Indicator LED	The LED will light on when power on.
	Network Indicator LED	The LED will light on when network connected.
	HDD 1 Indicator LED	The LED will light on when the HDD 1 is written.
	HDD 2 Indicator LED	The LED will light on when the HDD 2 is written.
0(+10)-9	Channel 1~16	Under the live viewing mode or playback mode, press channel 1~16 button to display the individual channel screen.
	9 / 16 CH Split	9 / 16 channel split screen display.
	Quad	Quad screen display. Select start / end time, when setting the MD area. Keyboard switch to number, English Capital or symbol.
	Auto Switching	Under the live viewing mode, press the button to start/stop the auto switching function.
	USB2.0 Slot	For USB 2.0 Flash Memory Stick to Backup and Firmware Update. (There are a front and a back USB that can be used one at a time.)

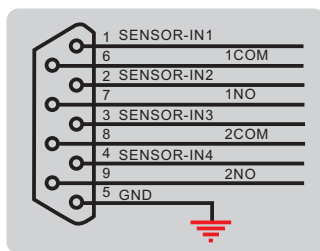
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## Installation



- 1.USB Mouse Port : 1.0 USB mouse.
- 2.VIDEO IN : 1~16 CH video input (BNC).
- 3.VIDEO OUT : Video output(BNC).
- 4.AUDIO OUT : Audio output( RCA).
- 5.AUDIO IN : 1~4CH audio input. ( CH 4 is for external input )
- 6.ALARM : Includes 4 DI and 2 DO. ( Default N.O. )
- 7.DC 12V : Power input.
- 8.XGA : LCD monitor output.
- 9.LAN : RJ45 network connection.
- 10.RS-485 : RS-485 connection, for speed dome use.
- 11.HOOK : Cable Hook.

### ★ Alarm I/O Instruction

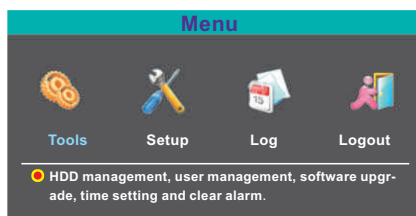


### Instruction

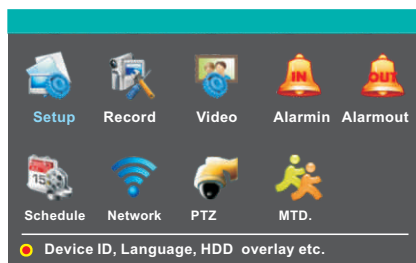
- Pin 1. CH 1 sensor input
- Pin 2. CH 2 sensor input
- Pin 3. CH 3 sensor input
- Pin 4. CH 4 sensor input
- Pin 5. Ground
- Pin 6. 1<sup>st</sup> relay : com
- Pin 7. 1<sup>st</sup> relay : n.o ( default )
- Pin 8. 2<sup>nd</sup> relay : com
- Pin 9. 2<sup>nd</sup> relay : n.o ( default )

## System Operation

### ★Menu : Tools . Setup . Log . Logout.



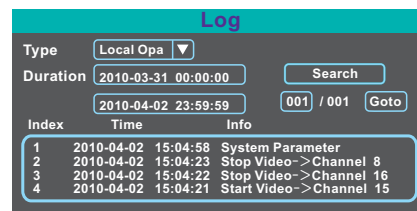
2. Setup : Setup . Record . Video . Alarmin . Alarmout . Schedule . Network . PTZ . MTD.



1. Tools : HDD . User . Default . Clear . Upgrade . Time . Info.

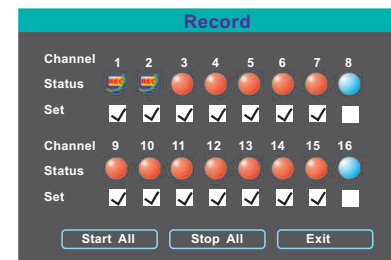


3. Log : Allow user to check system login . remote site login . alarm and system operation history.



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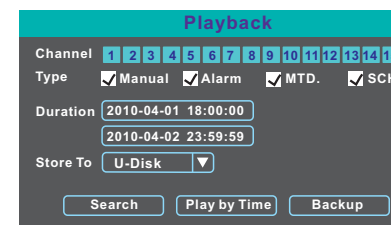
## Quick Setup for Manual Recording



Select the channel for manual recording; this page contents each camera status, operation and indicator as follows:

1. :No Record.
2. :Record.
3. :No Record, Internet Monitoring.
4. :Record and Internet Monitoring.

## Record Data (Playback and Backup)



In this page, the data can be search or backup according to channel, recording type, and time duration. The file is available for .ifv or .avi format while backup.

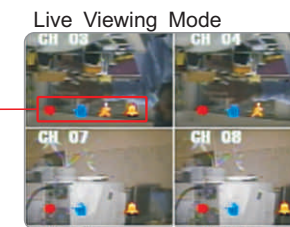
## Display Mode

There are 3 kinds of screen display mode: Live, Auto Switching and PTZ.

### ★Live Viewing Mode

The DVR will go to the live viewing mode after bootup. There are 5 different status icon:

1. :Record
2. : Motion Triggered
3. : Alarm Triggered
4. : Schedule Record
5. : Manual Record

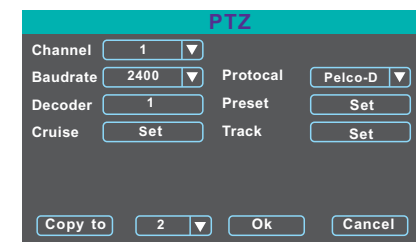


### ★Auto Switching

Auto switch starts from orderly CH1 to CH16 , or split display orderly (exclude 13 and 16 split display).

### ★PTZ

Please set the speed dome properly before control PTZ. Please refer to 7.2.8 PTZ for setup.



- a.PTZ: PTZ setup needs to match Speed Dome's parameter: Baud Rate , Protocol and ID.
- b.Supports Default spot, cruiser and tracking setup.

### ■PTZ Mode

