

Model: **EDVRCD4/8/16** Entry Level 4/8/16 Camera DVRs with Integrated CD Writer

Introduction

The EDVRCD Entry Level DVR range is ideal for use as a direct replacement for an existing video recorder and switcher, quad or multiplexer or as the heart of a new CCTV system. They are competitively priced with features you would normally expect to see only on more expensive DVRs. This includes superior picture quality, fast frame rates and an integrated CD Writer for easy backing up. They are simple to install and use and are designed for use in low to medium risk applications.

Main Features

- Real Time Live Display of up to 16 cameras
- Real Time recording of up to 4 cameras on the EDVRCD4 and up to 100fps recording on the EDVRCD8 & EDVRCD16
- Near DVD quality recording 2 Camera audio recording
- Supports up to 2 hard drives for 1000GB recording capacity
- Duplex operation for multi screen recording & playback independently of live viewing selection
- Integrated CD Writer for easy backing of recordings to CD, which can be played back in any compatible Windows PC

Model: EDVRCD4/8/16

Entry Level 4/8/16 Camera DVRs with Integrated CD Writer



Main Features in detail

Live Viewing Features

Full and Multi Screen Display: During live viewing on the EDVRCD4 (4 camera version) it is possible to view each camera full screen or all 4 as a quad image, in addition to this on the EDVRCD8 (8 camera version) the cameras can also be viewed as an 8 camera cameo, and on the EDVRCD16 (16 camera version) as a 16 camera cameo also. Real Time Live Display: On all models the cameras are displayed in real time for smooth movement in all displays views and at 720x 576 resolution for excellent guality when in full screen. Audio: All models have 2 audio inputs which can be monitored live during live viewing. Standard & VGA Monitor Support: All models have a standard BNC socket for video output to a Tv with Scart or AV inputs or a CCTV monitor, and optional VGA output for connection to a PC monitor by adding the BNC2VGA adaptor. Recording Real Time Recording: The EDVRCD4 features real time recording at 360x288 resolution allowing it record in real time. The EDVRCD8 and EDVRCD16 record at near real time with 100 fps shared between all cameras. Near DVD Quality Recording: All models have a near DVD quality recording option which is 720x288 resolution OVO recording. In this mode they will record at 50fps shared between all cameras. Wavelet Compression: The EDVRCD range uses the unique Xvision Wavelet+ compression codec for the highest quality picture recording and lowest file size possible with wavelet compression. Up to 5 different recording AA qualities and 6 different fps recording speeds can be set allowing the user to adjust the quality and speed to achieve the best balance of recording time and picture guality. Audio Recording: As well as camera images all models will also record up to 2 audio inputs. Duplex Recording: The duplex recording feature of the EDVRCD range allows the user to select any camera full screen 010 or as a multiscreen layout during live viewing without disturbing the recording of all cameras as full screen images. Continuous Recording: The standard recording mode of the range is continuous recording, in this mode the DVR will record all the time. Motion Detection Recording: The range also includes a motion detection recording feature, this allows areas of each cameras view to be highlighted and then the DVR will only record when motion is detected in those areas. Allowing the DVR to record for much longer than continuous recording would achieve. Event Recording: The DVRs are fitted with alarm inputs for each camera input which will trigger recording of cameras if the corresponding alarm input is triggered. Allowing the DVR to record for much longer than continuous A recording would achieve. Timer Recording: The DVRs will allow the user to set up a comprehensive timer schedule so that it only records during the times and days recording is required. Recording Recycling: Once the hard drive is full the DVRs can be set to re-record over the hard drive or display a message alerting the user that the hard drive is full. Playback Full and Multi Screen Playback: During playback on the EDVRCD4 (4 camera version) it is possible to view each camera full screen or all 4 as a guad image, in addition to this on the EDVRCD8 (8 camera version) the cameras can also be viewed as an 8 camera cameo, and on the EDVRCD16 (16 camera version) as a 16 camera cameo also. Playback Speed Control: The playback speed can be reduced by 16x and increased by 16x for accurate control during playback

Recording Search: Recordings can be quickly and easily found by simply entering the time and date the user is looking for or by selecting from the motion or event recording lists, which list the time date and camera number that was recorded.

Backing Up

Backup to CD: The EDVRCD range is fitted with a CD Writer for easy backing up on to a compatible Windows PC. To back up the user simply inserts a CDR or CDRW and then selects the recording that needs to be backed up. The unit then copies the recording requested and the Windows Playback Software on to the CD, this CD can then be played back on any compatible Windows PC.

Networking/Internet Access

The EDVRCD range does not have networking/internet access, if you require these features please see the Xvision TDVR Professional DVR range.

Recording Times: The following table shows an estimation of the recording space required to record for a day on all the different fps and picture quality settings that can be selected. The GB shown are per day of recording time, to calculate the time for a particular hard drive size that will be fitted in the DVR simply divide the Hard Drive size by the GB shown on the table. (eg. For an 80Gb being recorded to at 25 fps in Best quality and at 720x288 resolution, the calculation will be 80GB divided by 40GB which is 2 days)

Speed			1 f	ps					4 f	ps					12	fps					25	fps					50	fps					100	fps		
Quality	Lo	W	Go	od	Be	est	Lo	w	Go	od	Be	est	Lo	W	Go	od	Be	est	Lo	w	Go	ood	Be	est	Lc	W	Go	od	Be	est	Lo	w	Go	od	Be	est
Resolution (x288)	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720	360	720
GB per Day (24 hours)	0.4	0.8	0.8	1.5	1.6	3.2	1.6	3.1	3.0	6.1	6.4	12.8	4.7	9.3	9.1	18.2	19.2	38.4	9.7	19.5	18.9	37.9	40.0	80.0	19.5	38.9	37.9	75.8	80.0	160.0	38.9	N/A	75.8	N/A	160.0	N/A

Index

	Page numbe	r
Introduction	1	
Main Features in detail	2	
Chapter 1 - Package Contents	4	
Chapter 2 - Controls & Connection	ns 5	
Front Panel	5	
EDVR4CD - 4 Camera Digital Video Re	ecorder 5	
EDVR8CD - 8 Camera Digital Video Re	ecorder 5	
EDVR16CD - 16 Camera Digital Video	Recorder 5	
Buttons Description	6	
Rear Panel	7	
EDVR4CD - 4 Camera Digital Video Re	ecorder 7	
EDVR8CD - 8 Camera Digital Video Re	ecorder 7	
EDVR16CD - 16 Camera Digital Video	Recorder 8	
Chapter 3 - Installation and setup	8	
Installing your DVR System	8	
Start up	8	
Hard Drive Space Check	9	
Inserting a hard drive into the caddy	10	
Hard Drive Guidelines	11	
Initialising the Hard Drive	11	
Onscreen display setup (OSD)		
EDVR4CD - 4 Camera Digital Video Re	ecorder 12	
EDVR8CD - 8 Camera Digital Video Re	ecorder 13	
EDVR16CD - 16 Camera Digital Video	Recorder 14	

F Chapter 4 - General Operations	age number 15
Change Screen Display in Live mode	15
Motion Area Setup	15
REC Schedule Setup	15
Confirm Alarm Buzzer	15
Playback	16
Date/time Search Playback	16
Alarm/Motion Search Playback	16
Setting the recording speed	17
CDRW User Guide	17
Chapter5 - Video Output Methods	19
Offline Playback	
(FAT32 Format Recording Only)	19
Recommended PC Requirement for offline	
Viewer Software	19
Data Transfer rate Table of different	
Interface Ports	20
Install the offline viewer software on to your	PC 20
AVI Video Output	21
Printing Images	22
Images Zooming	23
Alarm Log	23
Date/Time Search Playback	23
Chapter 6 - FAQs	24

THANK YOU FOR PURCHASING THIS EDVRCD SERIES DVR

- Please unpack the box carefully and identify that all the parts are present (see below).
- Do not cut the remove the warranty label from the side of the unit, this will void the warranty.
- Make sure you use only the recommended power supply. Damage caused to the unit by incorrect voltage or wiring is not covered by the warranty.



EDVRCD Series Digital Video Recorder (4,8 and 16 Channel)



Hard Drives

This DVR unit is shipped with a choice of 80GB, 160GB, 250GB, 320GB, 500GB, 800GB or 1000GB of Hard Drive space or no hard drive. Depending on the hard drive configuration you have chosen either one or both of the drive caddys will contain hard drives. Alternatively, if you have chosen the version with no hard drive, you can install your own drives. (see Chapter 4).

Controls & Connections

Front Panel Detail



EDVR4CD- 4 Camera Digital Video Recorder



EDVR8CD- 8 Camera Digital Video Recorder



EDVR16CD- 16 Camera Digital Video Recorder



Button Descriptions for Keypad Control

MENU ESC	-On Screen Display (OSD) Setup		Change Screen Display
\bigcirc	-Back to the Previous Page - Back to Live/REC Mode - Disable sequence (SEQ)	\bigcirc	
\bigcirc	-Enter Playback Mode -Play		Stop Playback
	Rewind During Playback		FF During Playback
Ō	Decrease (-)Playback Speed	+	Increase (-)Playback Speed
4ch 1-4 8ch 1-8 16ch 1-16	-Full Screen Display of the Selected Channel -Spot Screen Display of the Selected Channel -Alarm Confirmation under Live Mode	PAGE	Switch Page of Screen Display (Press MODE + PAGE)
SEQ	Enable sequence Channel (Press MODE + (seo))		Nr of installed HDD (Press MODE + (A)) - No HDD - 1 HDD - 2 HDD 1 - 2 HDD2
	Export video into CD during Playback mode		Hard disk usage indicator (Press MODE + 😡)
	Time search Function in Playback mode (Press MODE + (Q))	A	Enable/Disable the display title (Press MODE + A))
	Audio Output (Audio1/Audio2/Off/Audio1,2) (Press MODE + (1))	(Enter
	-OSD: Up Down Left Right -Motion Area Setup		
	Note: These two buttons are o	disabled on the EDVRCD	

EDVR4CD- 4 Camera DVR Connections



EDVR8CD- 8 Camera DVR Connections



EDVR16CD- 16 Camera DVR Connections



Installing your DVR system

Follows these easy steps to set up and install your DVR:

- 1. Connect a monitor to the BNC socket (M.OUT) on the back of the unit.
- 2. Connect your camera(s) to the BNC socket CH 1 to CH16 (depending on model, see this and previous page for connection diagrams).
- 3. If you have cameras with audio facility, then connect them to the phono sockets (AUDIO IN) on the back of the DVR. **Note:** This DVR has the capability to connect two cameras with audio. Use the (AUDIO OUT) phono sockets to connect speakers or other audio device, if required.
- 4. Power up your cameras, monitor and DVR unit.

Start Up

- 1. When you first power up the DVR and you have a hard drive installed the camera will automatically start to record to the hard drive (the DVR is factory set to record continuously at 100 fps).
- 2. Your monitor screen will be split into a quad, 8-way or 16-way. If you have cameras connected the images from the cameras will appear on screen (see Figure 4.1).

This diagram shows the camera titles, time/date positions and the way your screen will be split (depending on whether you have a 4,8 or 16 channel model).



Hard Drive Space Check

Keypad Control: Press MODE, then press (a) ; the DVR will then show the usage indication bar as shown below:



The usage bar will disappear after displaying for several seconds

Inserting a Hard Drive into the caddy

If you have bought an EDVRCD series DVR with no hard drive(s) or need to replace a hard drive which is full follow these steps to install a hard drive(s):

1. Unlock (using keys supplied) and remove the caddy from the front of the unit.



- 2. Remove the lid from the caddy by pressing the release button 'OPEN' and sliding the lid off backwards.
- 3. Place the new hard drive into the caddy and connect both the connector block and ribbon cable to the rear of the new drive.
- 4. Fix the drive in place using the four retaining screws supplied (see diagram below).



- 5. Replace the lid of the caddy and slide forward until the lid locks.
- 6. Repeat steps 1-5 if you are installing another drive.
- 7. Once you have finished inserting the drive into the caddy, replace the caddy in the DVR and lock by turning the key clockwise.

Hard Drive Guidelines

For trouble free operation of this DVR we recommend that you adhere to these guidelines when choosing hard drives for the EDVRCD series:

- Use the same IDE protocol (e.g. ATA133) of Hard Drive (HDD)
- **These drive sizes only must be used;** Choose either 80/120/160 or 250Gb Hard Drive Different IDE protocol is NOT supported (e.g. 1st Drive: ATA133, 2nd Drive: ATA???)
- Preferably use the same size Hard Drives for both (e.g. 1st Drive: Maxtor 160Gb ATA133, 2nd Drive: Maxtor 160Gb ATA133) although different size drives are still compatible.
- Maxtor and Seagate Hard Drives are both compatible with the EDVRDCD series. This DVR does not support Western Digital Hard Drives.



Initialising the Hard Drives

Once you have either installed or replaced one or both hard drives in the drive caddy follow these steps to initialise the hard drives:

Keypad Control: Press MODE, then press (**▲**).

If the password is required, insert the password and then press (-)

If there is no password protection, press → when the message, 'Please confirm to remote hard drive' is shown.



Note: Don't remove the Hard Drive until 'Remove HDD now' message is shown. The DVR will keep beeping with the message 'Insert HDD now' until you have inserted the hard drive back in the DVR for recording.



Insert a new hard drive press \checkmark you will hear a short beep which notifies that the hard drive is activated and ready to record. If two hard drives are installed you will hear two beeps.



Note: If your 'HDD Full' under Display/Record is set to 'STOP', the message 'HARD DISK IS FULL' will be shown on the screen and the DVR will stop recording until the Hard Drive is replaced or inserted again.

On Screen Display (OSD) Setup

EDVR4CD- 4 Camera Digital Video Recorder

The following diagram shows how to navigate through the menus and set up more advanced functions of the EDVR4CD - 4 Camera DVR.



On Screen Display (OSD) Setup

EDVR8CD- 8 Camera Digital Video Recorder

The following diagram shows how to navigate through the menus and set up more advanced functions of the EDVR8CD - 8 Camera DVR.



On Screen Display (OSD) Setup

EDVR16CD- 16 Camera Digital Video Recorder

The following diagram explains how to navigate through the menus and set up more advanced functions of the EDVR16CD - 16 Camera DVR.



Change Screen Display under Live Mode

Display Mode (

Press 🖽 once at a time to switch the screen display

4ch: Full/quad screen display selection 8ch: Quad/8-way screen display selection 16ch: Quad/8-way/16-way screen display selection

PAGE (PAGE)

Press MODE + (PAGE) to switch page of screen display

4ch: Not applicable

8ch: 1st Quad/2nd Quad screen display switching

16ch: Quad mode: 1st Quad/2nd Quad/3rd Quad/4th Quad screen display switching 8-way mode: 1st 8-way/2nd 8-way screen display switching

SEQ ((SEQ)

Press MODE+ (seo) to switch page of screen display

4ch: 1st Full > 2nd Full > 3rd Full > 4th Full > Quad > 1st Full.... 8ch: 1st Full > 2nd Full > 3rd Full.... > 8th Full > 8-way > 1st Full.... 16ch: 1st Full > 2nd Full > 3rd Full.... > 16th Full > 16-way > 1st Full....

Motion Area Setup

Select 'Motion Area' under the selected camera. The previous Motion Area will show on the screen when you enter. Use $\uparrow \downarrow \leftarrow \rightarrow$ to move the cursor to the beginning point (upper left) of your first detection zone, then press \uparrow for confirmation.

Move the cursor to the end (bottom right) point of the zone and press () for confirmation. The cursor will then appear for you to set up your next zone. Repeat the process until you have set up to four zones. Press to complete the motion setup ('**Motion set up OK**' will be shown on the screen).

Adjust **Alarm REC** if your DVR is NOT in 24-hr REC Mode. Video Motion detection (VMD) function will be enabled **ONLY if** the 'Motion' has been turned ON; and one detection zone (minimum) has been set up.

REC Schedule Setup

Please make sure the **REC Mode** under **Display/Record** is in **Schedule** mode, and enter the desired time into **Setup REC Schedule** under **Others**.

Confirm Alarm Buzzer

Once the alarm has been triggered, the screen will switch back to the original screen display. Push the button with the corresponding channel number.

Playback

Press () to activate Playback mode. Use buttons on the front panel to adjust playback status.

Full screen display

Press the corresponding channel buttons for FULL screen display of that channel whilst in any mode.

Display Mode (16 channel only)

Press to select Quad/16-way screen display

PAGE (PAGE) (both 8 and 16 channel)

Press MODE+ to switch page of screen display 4ch: Not applicable 8ch: 1st Quad/2nd Quad screen display selection 16ch: 1st Quad/2nd Quad/3rd Quad/4th Quad screen display selection

SEQ (seo) (not valid for Playback mode; valid for LIVE display mode only)





Date/Time Search Playback

For keypad control, press MODE, then press () on the front panel.



Alarm/Motion Search Playback

Once an alarm has occurred, the date/time will be saved to **Alarm Log**. Enter the main menu and select **Alarm Log**. The alarmed incident can be played back by pressing (-) on the desired log.

			l			
	Alarm Log	Page	(1~64)			· · · · · · · · · · · · · · · · · · ·
	MM-DD-HH	-MM-SS	-CH-TP		Operation	
-	12-18-19	37-02	XX-XX	- ×.	00	
	XX-XX-XX	хх-хх	XX-XX		ŪŪ	Move the cursor
	XX-XX-XX	XX-XX	XX-XX		-14-	
	XX-XX-XX	XX-XX	XX-XX			Playback
	XX-XX-XX	XX-XX	XX-XX		O UR	
	Exit				· · ·	

Setting the Recording Speed

- 1. Push \bigcirc button to enter MENU mode.
- 2. Follow this sequence: Display/Record > REC Setting > Total Rate
- 3. Use the O or O buttons to select from 4, 8, 12, 25 50 or 100 frames per second recording speed.
- 4. Scroll down to 'EXIT' and press 🕑 to return to the previous menu. Repeat this procedure to exit each menu until you return to the camera view screen.

CDRW User Guide

- 1. Push () button to enter PLAYBACK mode.
- 2.Use $(\uparrow)(\downarrow)(\neg)$ or Time Search to find the desired time.
- 3. Push MODE+ (a) button to export the first 100MB File.

On screen display:



- 4. Add/delete the listed files:
 - A. For a 600MB CD you may choose up to 6 clips of files. After selecting the first clip, **EXIT** the menu then repeat step 1,2,3 to select the 2nd file.
 - B. You can also select **ADD** and continue to export another 100MB file from the ending time of the 1st file.
 - C. Delete the listed files on the screen: Key Control: Move the cursor to the desired file and push O to delete and O to confirm.
 - D. Push **ESC** button (or **Exit**) to return to the previous page. Returning to Live mode will delete all the selections.

On screen display:

CC	PY TO CD	ROM	
	Start	End	
04/11	18:48:00	18:50:00 -	The Starting and Ending time of the 1st file
04/12	13:00:00	13:01:20 🤜	The Starting and Ending time of the 2nd file
04/12	13:01:20	13:02:10	
04/13	15:11:00	15:12:11	
04/13	15:12:11	15:13:13	Continue exporting another 100MB file
04/13	15:13:13	15:14:45	beginning from the end
ADD			Start to burn CD
WRITE C	:D		
EXIT			Back to Playback Mode

5. Move the cursor to WRITE CD and push 🕑 to start burning the CD. It may take up to 20 minutes to burn a full CD.

Note: While burning the CD, the orange LED will keep flashing.

On screen display:



6. If you want to burn the same selected files to another CD, insert a blank CD first, then push **MODE + ENTER** to start the burning process.

• This DVR will automatically copy the player software onto the CD. You can play back the CD on any PC using the player software which supports multi-channel video and audio display Offline Playback (FAT32- Format recording only)

Options to play back the recorded video file offline

1. Via IDE interface

- Step1: Make sure the installed Hard Drive caddy is compatible with the following: BT-27, BT-32, BT-42, RH-17, RH-27, RH-32, RH-42, MR-27 or L-007
- Step2: Power of the PC before inserting the hard drive with drawer directly into the PC.
- Step3: Power on the PC and run the supplied off line player to play back the recorded files.

Note: If your PC cannot recognise the Hard Drive, please change the hard disk jumper configuration (Master only).



2. Via USB2.0/IDE convertor (optional item that can be purchased from your local distributor)

Step1: Plug the USB2.0/IDE convertor in to the the IDE socket of the mobile drawer. Step2: Connect the USB2.0 convertor to the PC with the USB2.0 cable. Step3: Power on the USB2.0 convertor, then run the offline player.

Note: Please complete Step1 before powering on the USB2.0 convertor to prevent unnecessary hard drive damage. Keep the jumper configuration of the hard drive in 'Master' mode.



Recommended PC requirement for offline viewer software

Your PC should have the following specifications to use the offline player software.

- **CPU:** Pentium3 1.0GHz or above **RAM:** 256MB or above
- Hard Drive Space: 100MB or more
- **Operating system:** Windows ME and Windows 2000 with Microsoft DirectX 9.0 or later, Windows XP with Microsoft DirectX 8.1 or later

IMPORTANT:

For NTSC and PAL the screen resolution should be set to 1024x758 pixels or above and the colour quality set to 24bit or 32bit for play back on a PC.

Data '	Transfer	Rate	Table	of	different	Interf	ace	Ports	
				_					

. . .

	Interface Port	Data Transfer Rate	Recommended (Yes/No)
1	IDE ATA66	66 MB/s	Yes
2	IDE ATA100	100MB/s	Yes
3	IDE ATA133	133MB/s	Yes
4	USB2.0	60 MB/s (480M bps)	Yes
5	USB1.1	1.5 MB/s (12M bps)	No

O Note:

1. MB/s = 8 Mbps etc.

The following is a list of the time required to read the files structure, for the first time, and image to the hard drive:

-USB 1.1:	takes 5 to 10 minutes
-USB 2.0:	takes 30 seconds
-IDEATA 100:	takes 15 seconds

2. The use of USB1.1 is not recommended because of its slow transfer rate. You could upgrade your PC from USB1.1 to USB2.0 by adding an 'IDE/USB2.0 card' for desktop PCs or a PCMCIA/USB2.0 card for notebook PCs.

Install the Offline Viewer Software on to your PC

- 1. Insert the software CD supplied into your CD-ROM and installation will start automatically.
- 2. Click 'playback software' to install.
- 3. If the CD does not start automatically, please follow these steps:
 - 3.1 Go to 'My Computer' and double click the CD-ROM.
 - 3.2 Double click software folder.
 - 3.3 Double click NR folder.
 - 3.4 Double click 'setup.exe' to start installation.

After setup is complete, a shortcut **is** is created on the desktop.

Run OFFLINE Viewer Software

(Double click the shortcut and select the required language in the pop-up window or in the main menu).



Browse for Folder	? ×
Choose *. YDO folder path	
Cesktop My Documents My Computer My Computer Develop (A:) DOMSSYS (C:) DOMOCO-RW Drive (E:) DOMOCO-RW Drive (E:)	
ОК	Cancel

- 1. Click <u>path</u> to browse for folder shown.
- 2. Select the path to where the recorded files are located and click PLAY. (Recorded files should be in the hard drive labeled TC-400_001).
- 3. Click OK.
- 4. Click <u>Play</u> a loading dialogue box will appear on screen and the following USB message will be displayed:

USB	×
If your USB device version is 1.0, the loading ti will be over 5 minutes!!!	me

5. Playback screen will be shown after loading is completed. When an error occurs during the loading process, the offline player will skip the error file and create 'errfile.txt' in the C drive.



AVI Video Output

After pressing the 'AVI' button, then choose the export file type from 'Standard AVI' or 'Private VDO'.

AVI Export Process:

Select export category	x
Options © Standard AVI	
• Private VDO	X

- 'Select Camera No.' will be shown when checking 'Standard AVI'
- Choose the record time scale and then press 'OK'.

Select Camera No	Select export end time
11 OK 12 Cancel 13 Cancel 14 15 16 V	Date: 2004 i 10 i 7 Time: 16 : 48 : 40 End time Date: 2004 \star 10 \star 7 \star Time: 16 \star 55 \star 3 \star
Save As Save in: AVI New Folder NTSC PAL Cameral-1.avi File name: Cameral.ov Save shore: AVI Elec (" avil	Export Status Menu Keset Path : D:\4VI\Camera1-1.avi Space : 697774666604 Free Bytes Camera No : 1 Frame Count : 12

- Play AVI files using Windows Media Player:

Note: Only Windows XP Media Player can adjust the playback speed.

Windows XP Media player speed settings: Click **View** > **Enhancements** > the click **Play Speed Settings** (as below).

& vindnis Heda Rayer	Day Dave Coulds	0X	
Viorinano Construction Viorinano Viorinano Vi	No UNI Site Custo	New Perry (pl.)	X
	vdeo Settrage	Slow Normal Fast Snap slider to common speeds -16 -8 -6 -4 0 0.5 1.0 1.4 2.0 4 6 8 16 Play speed: 1.0 0 0 0 000000000000000000000000000000000000	

- Select 'Private VDO' export.
- Play the file and push 'STOP AVI' to start export.

Select export category	另存新檔	<u>?</u> ×
Options C Standard AVI C Private VDO	(結存於①: ○ a ● (目) ○ off-line_player 回 REC-5.VDO 回 REC-1.VDO 回 REC-1.VDO 回 REC-2.VDO 回 REC-3.VDO 回 REC-3.VDO 回 REC-4.VDO	
	a 檔案名稱 创: [<u>3日時100</u> 存檔類型①: [VDO files (*.VDO) ▼	儲存(<u>©</u>) 取消

- Click STOP AVI to start video export.

|--|

- Check to export offline player also.



Printing Images

- Make sure your computer has been connected to a working printer.





Image Zooming

- To zoom in or out on an image, select the image you require and the following will be displayed:



search. Start Time:

Start Time shows the starting time of the first record file on hard disk.

End Time

End Time shows the starting time of the last record file on hard disk.

	Log #	Start Time	Alarm Type	Ending Time	
		ine su		n an	
Merce Bullery reson				f f	
List	in an	2	1 I I I I I I I I I I I I I I I I I I I		
logi	Tinel Pane	A lanse Cere repto a	See Same		
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	200406/01 02 11 21	24 4	20140663 (1) 15 15		X
10	206406/2112.0138	bil boold	2.2.412.031 (1.13.43		Evit
1	2004/06/61 12 36 20	24 4	2014/06/3112 19/22	1999 - Carlos Ca	
75	2024/06/21 12:00:44	M tabal	2064/06/21 11 17:04		
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Chapter 6

FAQs

Q: How long will it take to format the hard drive?

A: The DVR will support FAT32 recording automatically. You don't have to partition the hard drive before installing it in the DVR. It will take around 10 minutes for an 80GB hard drive, to prepare the FAT32 formatting, and about 20 minutes for a 160GB hard drive.

Q: How can I get a video clip from the EDVRCD?

A: Follow Chapter 5 to playback the recorded video and export it into a video clip using the offline viewer.

Q: What is V_Loss (Video Loss Alarm)?

- A: V_Loss is the alarm mode that detects the connections of the cameras. The alarm will be activated in any camera disconnects from the DVR.
- Q: Will my DVR record any motion that occurs during any other time than my REC schedule?
- A: Yes. Once your cameras are in ANY alarm mode, your DVR will automatically record any motion even if it is not in the REC schedule.
- Q: How long will my DVR record for if the motion occurs during any other time than my REC schedule?
- **A:** The DVR will record the whole event and from1 to 60 seconds after the event occurred. The recording time after the motion event can be adjusted in Alarm REC under Display/Record.
- Q: Can I 'Search Playback' the recorded file via the index of Date/Time or Alarm Log?
- **A:** Yes. You can easily play back the recorded video file by searching the index of date/time or alarm log on the DVR or by using the offline player on your PC.
- Q: Will my DVR keep recording during 'Playback' mode?
- A: No. Note that once REC Resume is on, the system will automatically return to live record mode after 5 minutes of inaction during 'Playback' mode.
- Q: What is the largest hard drive capacity the EDVRCD series can support?
- A: The EDVRCD series can support all hard drives from Maxtor and Seagate with capacities from 40Gb up to 250GB. Note: The EDVRCD series does not support 'Western Digital' hard drives.
- Q: Why does VMD (video motion detection) not work when I have set 'Motion' ON already?
- **A:** You have to set up at least one motion detection area in order to ENABLE the VMD function.

TECHNICAL SUPPORT:

For Technical Support for any x-vision product please contact your local distributor.

LIMITED WARRANTY:

This product is supplied with a limited 1 Year warranty. The Warranty excludes products that have been misused, (including accidental damage) and damage caused by normal wear and tear. In the unlikely event that you encounter a problem with this product, it should be returned to the place of purchase.

Manufactured exclusively for: **x-vision (Europe) Group,** Head Office: London, U.K. Email: info@x-vision.co.uk Web: www.x-vision.co.uk

