



## Embedded Technology with CDRW and USB Archiving

### Overview

Classic design combined with a sleek interface results in an easy to use, feature-packed digital video recorder by iFCS.

The Classic Series uses VCR style controls and a simplified menu structure allowing efficient retrieval of recorded events and effortless archiving directly to CD or USB media. Coupled with the supplied remote control, the digital video recorder is easy to operate no matter the skill level of the operator.

Simplification has not resulted in a compromise on features and the Classic Series remains a high performance digital video recorder capable of CIF 352x288 recording and highly-efficient MPEG-4 compression technology.

Importantly the Classic Series is built on an embedded architecture which means that the system is not subject to conventional PC operating system problems such as viruses or computer hard disk drive crashes affecting the operating system.

Motion detection, scheduled and alarm based recording modes are all available and advanced features found in more expensive digital video recorders such as watermark encryption technology and remote alarm transmission via email or ftp are standard.

### Key Features

- latest MPEG-4 compression technology provides highly efficient storage for extended recording times
- capable of recording CIF resolution for crystal clear images
- easy to use archiving direct to CDRW or USB storage
- powerful multiplex operation allows live monitoring, recording, remote access and archiving at the same time
- convenient motion detection, scheduled and alarm based recording modes
- reliable embedded technology provides robust stability
- remote transmission of alarms with attached images via email or ftp
- watermark technology for verifying recorded footage
- covert recording mode can mask selected camera images while recording

## Convenient built-in archiving

Archiving is easy with the flexibility of backing up recorded footage via USB, CDRW or network access available.\* With easy on-screen menu operation, multiple records can be archived with a press of a button.

Watermark encryption technology featured in the Classic Series protects the video from tampering to ensure that the recorded footage is accurate.



\*DVR1022 supports network archiving only

# Superior embedded reliability

The Classic Series is more stable than PC-based digital video recorders as the operating system utilises embedded technology.

The operating system is stored on a non-volatile flash memory chip which ensures that the critical operating files are protected against conventional PC operating system problems like viruses or hard disk drive crashes.



# Easy to use operation

Familiar VCR-style controls coupled with a remote control allow the operator to navigate the menus and control the video playback with ease.

Event search allows efficient retrieval of video footage based on motion or alarm triggered recording. Video footage can quickly and efficiently be reviewed using these filters to access the required incident.



# Powerful remote accessibility

With a built-in web server, the Classic Series is accessible via Internet Explorer and does not require application software to be pre-installed.

The client software can be downloaded directly from the Classic Series which provides more advanced functionality and allows up to five users to simultaneously use the Classic Series at the same time.



**DVR1022**  
4ch Classic Series with LAN



**DVR1024**  
4ch Classic Series with LAN,  
CDRW & USB



**DVR1026**  
8ch Classic Series with LAN,  
CDRW & USB



**DVR1028**  
16ch Classic Series with LAN,  
CDRW & USB

Model No:	DVR1022	DVR1024	DVR1026	DVR1028
Video Inputs:	4 x BNC Co-Axial	4 x BNC Co-Axial	8 x BNC Co-Axial	16 x BNC Co-Axial
Video Outputs:	2 x BNC Co-Axial 1 x Main / 1 x Spot	2 x BNC Co-Axial 1 x Main / 1 x Spot	2 x BNC Co-Axial 1 x Main / 1 x Spot	2 x BNC Co-Axial 1 x Main / 1 x Spot
Loop-through:	4 x BNC Co-Axial	4 x BNC Co-Axial	8 x BNC Co-Axial	16 x BNC Co-Axial
Audio Inputs:	1 x 200-3000mV 10K RCA	2 x 200-3000mV 10K RCA	4 x 200-3000mV 10K RCA	4 x 200-3000mV 10K RCA
Audio Outputs:	1 x 2000m 1K RCA	1 x 2000m 1K RCA	2 x 2000m 1K RCA	2 x 2000m 1K RCA
Video Display:	1 & 4 channel live display	1 & 4 channel live display	1, 4 & 8 channel live display	1, 4, 9 & 16 channel live display
Alarm Input:	4 channel voltage alarm input (+5V ~ +15V DC)	4 channel voltage alarm input (+5V ~ +15V DC)	8 channel voltage alarm input (+5V ~ +15V DC)	16 channel voltage alarm input (+5V ~ +15V DC)
Alarm Output:	1 channel output (open/close contact)			
Operating System:	Embedded Real Time Operating System			
Video Standard:	NTSC (525 lines / 60 fields per second) PAL (625 lines / 50 fields per second)			
System Resources:	Live display, record, playback, backup and network			
Image	Live: 704 x 576 4CIF			
	Playback: 352 x 288 CIF , 176 x 144 QCIF			
Video Compression:	MPEG-4 / MJPEG	MPEG-4	MPEG-4	MPEG-4
Motion	Area Setting: 192 detection areas on screen per camera			
	Sensitivity: 4 adjustable variables			
Recording Speed	CIF: 25, 12, 6, 3 frames per second global	25, 12, 6, 3 frames per second global	50, 25, 12, 6 frames per second global	100, 50, 25, 12 frames per second global
	QCIF: 100, 50, 25, 12 frames per second global	100, 50, 25, 12 frames per second global	200, 100, 50, 25 frames per second global	400, 200, 100, 50 frames per second global
Image Quality:	Best, High, Normal and Basic			
Hard Disk Capacity:	1 large capacity HDD	1 large capacity HDD	3 large capacity HDDs	3 large capacity HDDs
LAN Connection:	RJ45 10/100MB Ethernet connection			
PTZ Control:	RS-485 communication supporting PELCO-D protocol			
Backup Methods:	LAN only	CDRW, USB & LAN	CDRW, USB & LAN	CDRW, USB & LAN
Watermark Encryption:	Yes			
Remote Alarm Notification:	Email images and upload images to FTP site's specific account			
Picture Zoom:	2x Digital Zoom			
Sequential Switching:	Programmable with adjustable dwell time (2, 4, 8, 16 sec)			
Power Requirement:	110VAC / 220VAC			
Power Consumption:	< 42W	< 42W	< 64W	< 64W
Working Temperature:	10°C ~ +40°C			
Size:	343W x 223L x 59H	375W x 281L x 61H	432W x 326L x 90H	432W x 326L x 90H