



## POCKET-SIZED RECORDING, WHEREVER, WHENEVER

The MiniD400 miniature DVR is a truly revolutionary concept in recording CCTV footage, this single channel 4CIF(D1) DVR can be used in covert, mobile and portable applications.

Over a hundred times smaller than the average CCTV DVR, the MiniD400 uses a standard SD card to record high quality 4CIF (D1) video and audio. The user can then play back the footage via the DVR or on any PC running Windows. A combination of highly efficient H.264 compression and miniature components reduces power consumption and space requirements. Low 12V DC power consumption means that the unit can even be powered by standard batteries, further maximising its flexibility.

The unit has just three connectors and doesn't require any special tools or equipment to install. An IR remote control allows the unit to be configured and controlled from a distance with on-screen text provided on a connected monitor. Once the power has been provided, it will automatically start to record. Motion detection and alarm inputs optimise and extend recording capability.

To learn more about this product range please visit us at [vista-cctv.com](http://vista-cctv.com)



### Key Features:

#### Real-time recording

The MiniD-400 can record real-time images and audio in 4CIF, 2CIF or CIF on to a standard SD card maximum capacity of 8GB. (1GB supplied as standard)

#### Small, compact and lightweight

The miniature size (90x45x17mm) and lightweight construction (50g) makes the DVR ideal for covert recording and extremely versatile

#### Easy to install

Once the output is connected to a monitor, the simple menu can be navigated using the IR remote control

#### Motion detection and alarm input

The MiniD-400 is able to start recording as soon as motion is detected in front of the camera or from an external alarm input, massively increasing the duration of recording

#### Pre-alarm with adjustable time

Especially important when in event recording mode, pre-alarm records video prior to the alarm, allowing operators to see what triggered the alarm

#### LED indication of alarm/event recording

This simple, visible alert of alarm or event occurrences is especially important for the detection and prevention of staff theft

## MODELS IN THIS RANGE

**MiniD400-1GB** Single channel 4CIF Mini DVR with 1GB SD card 12V DC

## TECHNICAL SPECIFICATION

### VIDEO

<b>Format</b>	PAL/NTSC
<b>Video input</b>	1 channel via (BNC/RCA)
<b>Video output</b>	1 channel via (BNC/RCA)
<b>Input level</b>	1.0Vp-p +/-10% composite, 75 Ohm unbalanced
<b>Display resolution</b>	4CIF 704x576 PAL/ 704x480 NTSC 2CIF 704x288 PAL/ 704x240 NTSC CIF 352x288 PAL/352x240 NTSC
<b>Display frame rate</b>	Max 25ips (PAL) 30ips (NTSC)

### RECORDING

<b>Recording frame rate</b>	Max 25ips (PAL) 30ips (NTSC)
<b>Recording modes</b>	Schedule, sensor, motion detection, emergency
<b>Display resolution</b>	4CIF 704x576 PAL/ 704x480 NTSC 2CIF 704x288 PAL/ 704x240 NTSC CIF 352x288 PAL/352x240 NTSC
<b>Recording resolution</b>	352x288 PAL, 352x240 NTSC
<b>Compression format</b>	H.264
	High Normal Low
	4CIF 1500Kbps 1000Kbps 500Kbps
	2CIF 1200Kbps 800Kbps 400Kbps
	CIF 1000Kbps 600Kbps 300Kbps
<b>Alarm timeout</b>	0.0, 0.5, 10, 15, 20, 25, 30 & continuous
<b>Internal storage</b>	Via SD memory card (1GB card supplied)

### AUDIO

<b>Compression</b>	16bit PCM, 8KHz
<b>Input channel</b>	1CH 9connectable via the video channel)
<b>Input level</b>	6mVp-p @ 600ohm
<b>Live output</b>	1CH

### SEARCHING & PLAYBACK

<b>Searching method</b>	Time/event
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### VIEWER SOFTWARE

<b>Monitoring Environment</b>	Client S/W Vista MiniD400-Player
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### ALARM

<b>Alarm input</b>	1 port NO/NC
<b>Alarm output</b>	1 port NO isolated relay output
<b>Alarm connections</b>	Removable terminal strip
<b>Motion detection</b>	Low/medium/high sensitivities

### ELECTRICAL

<b>Power voltage</b>	DC3.7-14.5V
<b>Current consumption</b>	150mA
<b>Power supply</b>	DC12V 500mA

### PHYSICAL

<b>Cables</b>	Video/audio input and output cables supplied
<b>Colour</b>	Black
<b>Dimensions</b>	90x45x17mm (wxlxh)
<b>Weight</b>	50g

### ENVIRONMENTAL

<b>Operating Temperature</b>	-20°C to + 70°C
<b>Storage temperature</b>	-20°C to + 60°C

### CONTROL

<b>Remote Control</b>	Supplied
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### ASSOCIATED PRODUCTS

<b>USBMF</b>	USB card reader
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### RECORDING TIME TABLE

**4CIF (704x576/D1) Recoding Time (PAL): SANDISK - SD/SDHC MEMORY**

Memory	Usable Memory	HIGH/4CIF/25fps	NORMAL/4CIF/25fps	LOW/4CIF/25fps
512 MB	480 MB	33 min	47min	1hr 26min
1 GB	960 MB	1 hr 9 min	1hr 40min	3hr
2 GB	1.9 GB	2hr 22min	3hr 26min	6hr 10min
4 GB	3.8 GB	4hr 49min	6hr 57min	12hr 29min
8 GB	7.4 GB	9hr 32min	13hr 46min	24hr 44min

**2CIF (704x288) Recoding Time (PAL): SANDISK - SD/SDHC MEMORY**

Memory	Usable Memory	HIGH/2CIF/25fps	NORMAL/2CIF/25fps	LOW/2CIF/25fps
512 MB	480 MB	40 min	58 min	1hr 42 min
1 GB	960 MB	1hr 25 min	2hr 1 min	3hr 34 min
2 GB	1.9 GB	2hr 55 min	4hr 10 min	7hr 20 min
4 GB	3.8 GB	5hr 54 min	8hr 27 min	14hr 51 min
8GB	7.4 GB	11hr 42 min	16hr 44 min	29hr 25 min

**CIF (352x288) Recoding Time (PAL): SANDISK - SD/SDHC MEMORY**

Memory	Usable Memory	HIGH/CIF/25fps	NORMAL/CIF/25fps	LOW CIF/25fps
512 MB	480 MB	47 min	1hr 14 min	2hr 6 min
1 GB	960 MB	1hr 40 min	2hr 35 min	4hr 24 min
2 GB	1.9 GB	3hr 26 min	5hr 19 min	9hr 3 min
4 GB	3.8 GB	6hr 57 min	10hr 46 min	18hr 20 min
8 GB	7.4 GB	13hr 46 min	21hr 20 min	36hr 18 min

**FRAME SIZE (ROUGH DATA SIZE)**

Quality	High	Normal	Low
4CIF	1500Kbps	1000Kbps	500Kbps
2CIF	1200Kbps	800Kbps	400Kbps
CIF	1000Kbps	600Kbps	300Kbps



No liability will be accepted by Vista for any errors or omissions in this information.

DS-MiniD400-version2