

# DVR4016MP4



The DVR4000 series is a multi-function MPEG-4 DVR developed to meet the low cost requirements of the general purpose surveillance system. Embedded with the Linux operating system, DVR4000 series applies very price-competitive hardware architecture but still offers the users worthy features. The Triplex, Motion Detection, Event Recording, ezBurn™, ezRecord™, and ezDDNS™ functions in DVR4000 provide the users more secure environments than the traditional system (multiplexer plus time-lapse VCR) could do. While installing DVR4000, the optional UTP (unshielded twisted pair) connection reduces cost for the users from the expensive coaxial cabling

## Features:

### Advanced Functions

- Triplex Operation: Live / Playback, Record, Network
- Supports up to 2 internal HDDs
- Supports internal CD-RW
- UTP Connection (Optional)
- Multi-Language support
- Digital Zoom 2x2
- Multiple built-in dome camera control protocols
- Supports Pre-Alarm Recording
- Motion Detection Marker
- IE browser for remote view

### Humane Technology

- ezBurn™ for quick video export
- ezRecord™ for quick recording setting
- ezDDNS™ for automatic DDNS configuration
- IR Remote Control (Optional)
- Compact Control Keyboard (Optional)

## Product Description :

[UTP Connection](#)

The DVR4000 serial provides an optional UTP connectivity to reduce system installation cost from the expensive coaxial cabling. Users can choose the UTP wiring option while ordering.

#### Motion Detection Marker

The Motion Detection function would mark the areas where the movements are detected, to raise the alert for the users.

#### Humane Technology

In addition to the front panel keypad, the DVR4000 series can be operated through the D7323-2 control keyboard (optional), or IR remote control (optional). The ezBurn™ and ezRecord™ functions simplify the process for video image exporting and recording. The ezDDNS™ function automatically configures the DDNS settings when connected to the internet.

### Specifications :

<b>Video</b>		
Input	BNC x 8, 1.0Vp-p, 75 ohm	
Video Standard	NTSC/PAL Switch Selectable	
Video Operation	Triplex (Live / Playback, Record and Netowrk)	
Outputs	Main Monitor	BNC x 1, 1.0Vp-p, 75 ohm
	Call Monitor	BNC x1, 1.0 Vp-p, /75 ohm
	VGA (optional)	800 x 600, 1024 x 768, 1280 x 1024 pixels @ 60 Hz(Optional)
Picture Refresh Rate	NTSC: 480 PPS (16ch) / PAL: 400 PPS (16ch)	
Digital Zoom	2 x 2	
Camera Installation	Plug & Play	
<b>Audio</b>		
Input	RCA x 2, Line-In	
Output	RCA x 2, Line-Out	
Recording Mode	Always Real time Record, Synchronized with Video	
Compression Method	ADPCM, G.726	
Data Rate	4KB/s, per CH	
Operation	VCR mode	
Playback	Only for Video Original Speed	
<b>Recording</b>		
Compression Method	MPEG-4 Advanced Simple Profile	
Recording Mode	Schedule, Alarm, Motion Detection	
Pre-Alarm	Yes	
Recording Mode	Best Quality, Standard, ezRecord, Extended Record, DSL	
Image Size	8 KB to 20 KB/picture	
Storage Mode	Linear/Circular	
Recording Resolution & Rate (pixels)	NTSC: 30 PPS@720 x 480 / PAL: 25 PPS@720 x 576 60 PPS@720 x 240/ 50 PPS@720 x 288 120 PPS@360 x240/ 100 PPS@360 x 288	

<b>Storage</b>	
Built-in HDD	Up to 2 built-in HDDs
<b>Playback</b>	
Playback	Play, Stop, Pause, Rewind, Forward, Search
Playback Speed Adjustment	Yes, 1x, 2x...32x
Retrieve	Date/Time, Event
<b>Export</b>	
USB	USB 2.0 CD/RW (Optional)
USB Thumb Drive	Support
<b>Alarm</b>	
Alarm Input	x16, D-Sub 25 pin (TTL)
Alarm Relay Output	x1, D-Sub 25 pin
	3.0 A/30 VDC or 3.0 A/125 VAC
Alarm Detection	N.C./N.O., Programmable
Motion Detection	16 x 12
Video Loss Detection	Programmable
Auditory Alert	Built-in Buzzer
External I/O Board (Optional)	Terminal Block (4x6)
<b>Communication</b>	
Communication Protocol	RS-485 DSCP
Remote Control Software	Dyna Remote™ Lite
Network Connectivity	Ethernet RJ-45 connector, 10/100Mbps, supports DHCP
LAN Remote Control	IE Browser, Windows AP
Dome Control Protocol	DynaColor, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic
Remote Operation	Monitor, Playback, Recording, System Setup, Dome Camera Control
<b>On-Screen Display</b>	
Search	Based on Time or Event
Play/Pause/REW/FF	Control Playback Direction & Speed
Password Control	2 level, Administrator/User
<b>General</b>	
Unit Dimension (W x H x D)	440 x 55 x 413 mm (17.3 x 2.2 x 16.3 inches)
Unit Weight	4.9 kg (10.8 lbs)
Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)
Relative Humidity	5% ~ 85% Non-condensing
Power Consumption & Input/output	External Adapter, AC 100 ~ 240V to DC12V

## Major Operating Controls :

### Front Panel

1. CD-RW
2. CD-RW
3. USB2.0 Port LEDs
4. Channel Keys
5. Function Keys
6. Direction Keys

### Rear Panel

1. LANPort (RJ45)
2. VGA Port (Optional)
3. RS485/Alarm In & Alarm Out
4. Audio Input
5. Audio Output
6. Call Monitor
7. Main Monitor
8. Video Input
9. DC Power In
10. UTP Ports (Optional)

### Recommended HDDs

- |                               |                |
|-------------------------------|----------------|
| 1. Maxtor: DiamondMax Plus    | 980G/160G      |
| Maxline III                   | 250G/300G      |
| 2. Seagate: Barracuda 7200.10 | 320G           |
| SV35.1                        | 160G/250G/500G |

### Channels

16 Channels

### HDD

- 000: None  
016: 160GB  
020: 200GB  
050: 500GB

### Device Option

- 0: None  
M: Cartridge  
C: CD-RW

### Connection

- 0: BNC  
U: UTP

### Video System

- P: PAL  
N: NTSC

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