

## Product Guide

### Features:

- 16 Video Input Channels – high resolution.
- MPEG2 Enhanced compression Independent Frame-Rate programming for each camera or event of Motion Detection or Alarm
- 5 image quality levels – Resolution from 352x240 up to 720x480 pixels selectable
- Recording time calculator
- Motion Detector with sensitivity sensor on screen
- Network connectable up to 5 user simultaneously
- Remote access to live view, recorded images, download for back-up and programming
- Quadriplex Operation – Search, View, Record and connect through network at the same time
- 16 alarms inputs – 4 alarms outputs – 1 relay out
- 16 Time Schedule charts
- Up to 8 attached Keyboard for each DVR - Each keyboard may control up to 8 DVR



## IM-DV9000 Series

■ The **IMPACT CCTV DV9000 Series Multi-Function DVR** are the most comprehensive and advanced Stand-Alone DVR, which offer flexibility, high image quality, open architecture, large store capacity and easy-to-use functions.

■ A new physical concept based on a compact processor case and an attached keyboard makes the DV9000 Series DVR a different and unique option, which provides a **high security installation** and a flexible and distributed use and operation.

■ A **user-friendly programming mode** with all functions accessible by explanatory menus gives to users and installers an easy way to operate and enjoy all the equipment's advantages.

■ Its Quadriplex functionality allows the search of images, playback recorded events, live view and network connection all at the same time. **Multi-Keyboards and Multi-DVRs** can operate under an open architecture expanding the possibilities and lowering costs.

## Product Line



### DVR-IM-DV9060

- 60ips
- up to 2 HDD 250GB each
- CF Card

### DVR-IM-DV9120

- 120ips
- up to 2 HDD 250GB each
- CF Card

### DVR-IM-DV9240

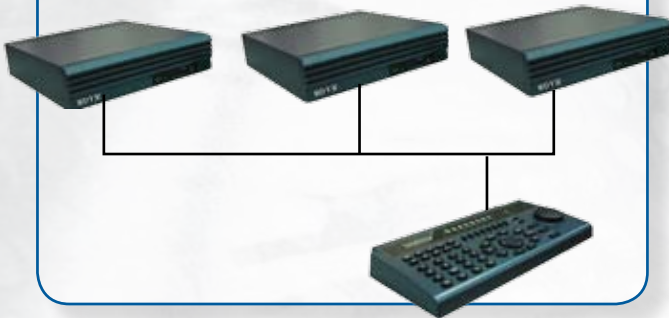
- 240ips
- up to 4 HDD 250GB each
- CF Card
- CD-RW
- RAID Expandable up to 8 TB

### DVR-IM-DV9480

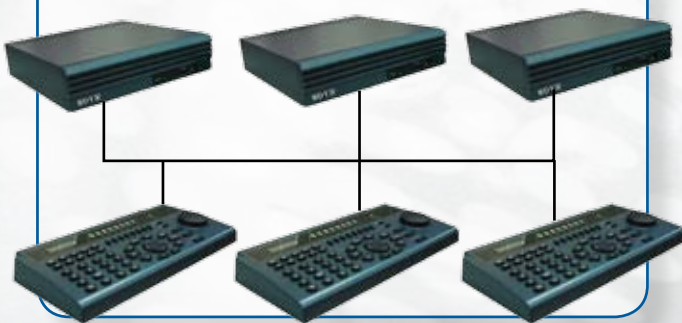
- 480ips
- up to 4 HDD 250GB each
- CF Card
- CD-RW
- RAID Expandable up to 8 TB

All models are compatible with each other. It means that in an installation different versions can work together under the same administration methods.

### 1 Keyboard and Multiple DVRs



### Multiple Keyboards and Multiple DVRs



### Network & Internet Connection



## Possible Configurations

The IM-DV9000 Series allow different configuration where one keyboard may control up to 8 DVRs or each DVR may be controlled by up to 8 keyboards. The keyboards can be installed up to 3000ft distant from the DVR through a RS-485. Up to 16 PTZ devices (e.g. Speed Domes) can be connected and controlled directly by the keyboards (Optional Keyboard with Joystick).

## Applications

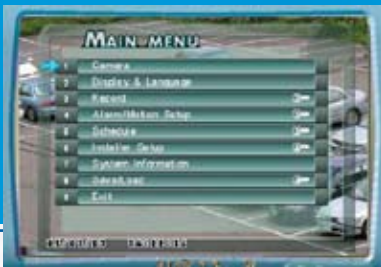
The Stand-Alone DVR IM-DV9000 Series are perfect for a wide range of applications. From small projects to residential and a large amount of facilities as Malls, Industries, Commercial Buildings and so on, the IM-DV9000 Series can fit all different needs. Its open architecture allows decentralized operations to use multiples keyboards over an RS-485 Data-Bus or the possibility for centralized operations to control several DVRs installed remotely.

## Advanced Functions

Its Quadriplex function (Search, Playback, Live and Network Connection simultaneously) makes the IM-DV9000 Series one of the most advanced and reliable Stand-Alone DVR.

As a security tool, it is always recording and nobody can stop this function without knowing the right password and security level. Another advanced feature is that it has up to 16 Time Schedules in order to program the cameras, and Motion Detection or alarms to record in groups or individually at different time windows, allowing more efficiency and less storage space in the HDD.





The Main Menu takes you to all functions of the DVR. There you can go to Camera Controls, Recording parameters, Alarm and Motion Detection Setup, Installer functions and controls, and information about the DVR. Easy steps and very comprehensive menus make the programming simple and efficient.



## Record Screen

The Record Screen is where the most important features will be programmed. There you will setup the Frame-rate for the different cameras under a Normal Recording (Time-Schedule) Motion detection or Alarm Events. For each camera or group of cameras, a frame-rate can be specified in order to optimize the operation and to save space in you HDD.



## Time Schedule Chart

Up to 16 Time Schedules can be programmed and used under different circumstances. Each Schedule from Sunday to Monday, 24 hours may be setup to accomplish the functions of Normal Record, Motion Detection or Alarm Events. These schedules are applied for a specific camera or group of cameras, for a special condition of Motion Detection or Alarm.



## Display Mode Screen

10 different display modes are available. Each one shows a possibility to display the most important image needed. Those images can be sequentially changed to reach the camera you need, fast and easy.



## Playback Screen

The playback function allows you to find exactly the Date, Hour, Minute, Second and Frame-by-Frame of each camera. Simply by moving the cursor to the selection point, the background image will display the recording, and once the wanted sequence is found you will just press Play.

## Accessories

The IM-DV9000 Series comes with the standard Keyboard IM-KB2100-K. This Keyboard has full functions over the DVR, including PTZ controls. However, to easily move the PTZ cameras, a Joystick Keyboard can be add or used to replace the standard one (Model IM-KB2200-J).

In order to obtain more storage space (to models IM-DV9240 and IM-9480 only) a RAID for up to 8TB can be connected to the DVR. This RAID comes with the Power Supply and IDE Controller and support 4 HDD of 250GB each (total 1TB). Up to 8 RAIDs can work together.



IM-KB2100-K



IM-KB2200-J



RAID

## Back Panel Functions

- Video Inputs
- Video Outputs (loop IM-9240 and IM-9480 only)



- Monitor VGA out
- Monitor BNC out
- RS-485 - PTZ controls
- RAID Port
- Monitor S-VHS out
- Network 10/100TB Ethernet
- Alarm Inputs

## Remote View Software

The remote view software has full function over the DVR and can be operated through a local network LAN or remotely by Internet. The Setup allows up to 63 remotes sites/DVR to be connected at the same time under different IPs and password. Thumbnails photos identify easily each camera or remote installation to the operator. Several different screen modes are available.

Also, a virtual Keyboard controls the remote DVR. Static or Dynamic IPs are accepted to setup the DVR connection



## IM-DV9000 Specifications

Function	Description
Video Inputs	16ch – IM-DV9240/ IM-DV9480 Loop Out
Video Outputs	1 Video BNC, 1 S-VHS, 1 VGA
Display Rate	480 ips
Display Resolution	720x480 (NTSC).
Alarm Input	16
Alarm Output	4
Image Format	MPEG2 Enhanced and MJPEG
Compression Rate	Minimum 200:1
Record Resolution	352x240 up to 720x480 pixels.
Languages	English, Spanish, French, Dutch, German.
Play Back Search	By Date, Hour, Minute, Second, Frame-by-Frame.
Recording Rates	1 to 30 ips adjustable for each camera
Event History	Up to 1024 Events (Alarm, Motion, Video Loss, Freeze).
PTZ Control	Up to 16 PTZ- Presets, Movement-RS-485.
PTZ Protocols	Pelco P/D, Honeywell, Dinacolor, EASTEL
Motion Detection	45x30 zones per camera
LAN/WAN/INTERNET	Ethernet 10/100TB – TCP/IP (Dynamic or Static IPs)
User / Levels	Up to 90 Users – 7 Levels
Remote Connection	Up to 5 simultaneous Remote Connections
HDD Allowed	Up to 250GB each
Voltage Range DC	DC 19V Power Supply included
Power Consumption	60W Max
Operation Temperature	5°-40° C / 40°- 110° F
Shipping Weight	5Kg



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