

# VG-7304 Mobile DVR



## Description

The VG-7304 is a compact video gateway, developed especially for extreme conditions. The system functions in extreme temp. range, dust and vibrations.

Unique video compression algorithm enables longer recording period and viewing over narrow band connections (PSTN/cellular modem) without reducing the video quality.

Built in GPS transmitter makes it an ideal solution for surveillance application for transportations.

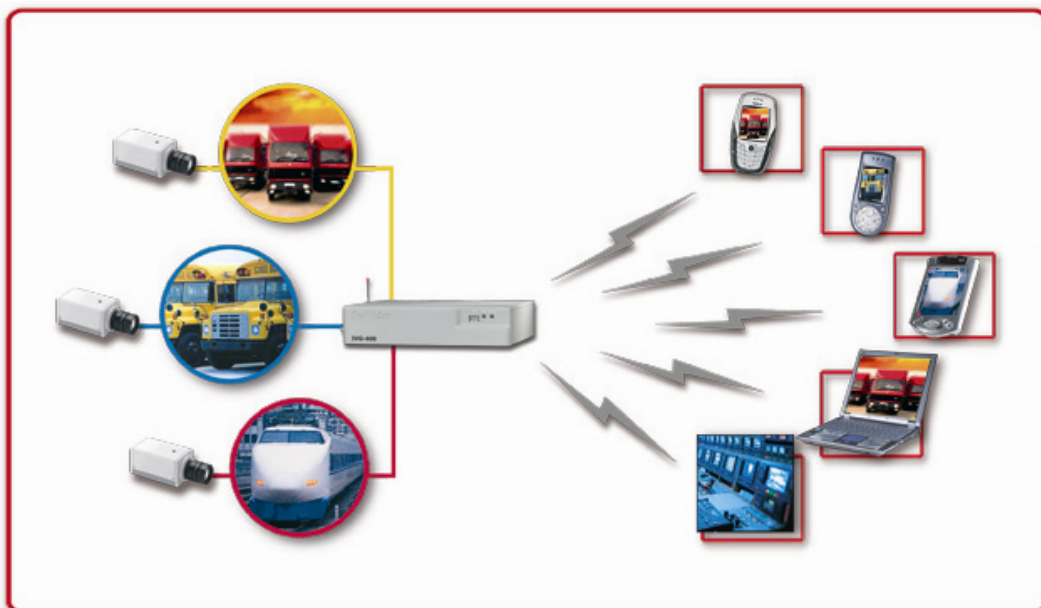
The VG-7304 system integrates up to 4 analog cameras (with PTZ capabilities as well), 6 input sensors and 2 output sensors.

The system provides simultaneous recording up to 4 video channels and transmission them over IP-network via Ethernet, Wi-Fi, PSTN / ISDN / cellular modem.

The Control System software enables the user a variety options of monitoring, events handling, playing records and local recording into MPEG-4 files, through your PC, Cellular Phone and PDA.

## Features

- Integration of up to 4 cameras, simultaneously.
- PTZ control for up to 3 cameras.
- Integration of up to 6 input sensors
- Integration of up to 2 output sensors
- Up to 30 fps video transmission per channel.
- Pre and post alarm video recording.
- Simultaneous video recording and playback on all channels.
- All cellular transport protocols: GPRS, CDMA and HSCSD, including integrated internal modems and a PCMCIA slot for custom modem.
- Integrated phone modem, ISDN modem and LAN.
- High-quality DVR capabilities on all channels, with transcoding algorithms for lower Bit rates.
- Records 30MB per hour in continuous recording - limited only by the size of the hard drive.
- Software generated Motion Detection with adjustable threshold and Region-of-Interest.
- Event-driven user notification.
- Power extensions to supply power to external devices (cameras, sensors, etc.)
- Support for an internal GPS module.
- Supports TV-OUT and CRT interface.
- Built-in USB.
- Quiet, no fans.



## Specification

| Model Name                   | VG-7304  |
|------------------------------|--|
| <b>VIDEO INPUT</b>           |  |
| Standard                     | PAL/NTSC/SECAM composite video, BNC connection   |
| No. of Channels              | 4  |
| Resolution                   | 320x240 (SIF), 160x120 (QSIF)  |
| Compression                  | MPEG-4   |
| Compressed data rates        | 9 KBPS to 1 MBPS, user configurable  |
| PTZ control                  | 2 ports, 1 RS-232, 1 RS-232/RS-485   |
| PTZ Protocol                 | Most common protocols  |
| <b>COMMUNICATION</b>         |  |
| Network                      | Cable/xDSL modem using built-in 10/100 Base-T Ethernet<br>PCMCIA slot for cellular/wireless modems<br>Optional: PSTN (phone) modem |
| IP assignment                | Dynamic (DHCP) / static / zeroconf   |
| Concurrent Users             | 15   |
| Maintenance                  | Built-in web server for administration   |
| IP Assignment                | Dynamic/static IP  |
| <b>RECORDING</b>             |  |
| Mode                         | Manual, 24/7, event-driven   |
| HD Type                      | IDE interface, removable. Option for external USB / PCMCIA Flash disks   |
| HD Size                      | 20GB to 120GB  |
| <b>EVENT HANDLING</b>        |  |
| Event Type                   | External sensor input, video motion detection, recording full, system failure, power failure, video failure                        |
| Action Type                  | Relay activation, local recording, host notification, dial back, SMS, email notification, sleep mode                               |
| Motion detection             | Threshold control, Area of Interest, Excluded areas  |
| <b>I/O</b>                   |  |
| Input                        | 6 Opto-isolated inputs   |
| Output                       | 2 Opto-isolated transistor-driven relays   |
| <b>POWER</b>                 |  |
| Voltage                      | 5V DC, external P/S, 12/24V DC   |
| Max. Rating                  | 18W  |
| <b>OPERATING ENVIRONMENT</b> |  |
| Ambient Temperature          | 0°C - 50°C   |
| Relative Humidity            | < Up to 85%  |
| <b>MECHANICAL DESIGN</b>     |  |
| Dimension (mm)               | 249 x 267 x 60   |
| Weight (kg)                  | 2  |
| Shock resistance             | SAE-j1455  |

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