



Explanation Dyna-Vision™ Solution

TABLE OF CONTENTS

Data transfer set-up for real-time monitoring	3
1) Dyna-Vision™ Unit(s).....	4
Standard delivery	4
2) Dyna-Vision™ Server	5
RS TechMedic BV server.....	5
Your existing server.....	5
New server	5
Server specifications	5
3) Dyna-Vision™ software	6
Dyna-Vision™ Monitoring	6
Dyna-Vision™ Switchboard	6
Dyna-Vision™ Event Dashboard	6
Dyna-Vision™ Vital Signs Lite	6
Dyna-Vision	7
Dyna-Vision™ Resting-ECG.....	7
Dyna-Vision™ Health and Fitness.....	7

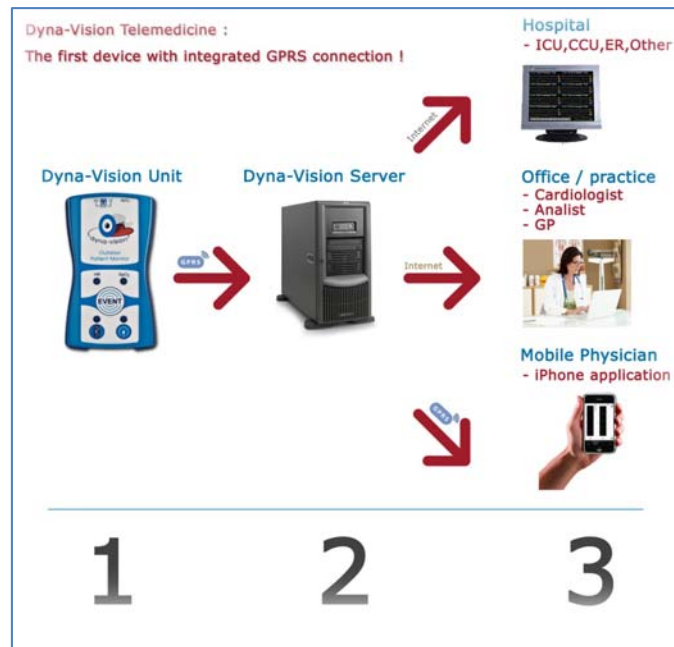
DATA TRANSFER SET-UP FOR REAL-TIME MONITORING

The basic structure of Dyna-Vision™ is shown in the picture below. The Dyna-Vision™ unit(s) transmit the ECG data to a server computer, which can be placed anywhere in the world. Dyna-Vision™ unit(s) use the local mobile phone carrier to transmit the data via GPRS. This results in local GPRS costs only.

The server handles all incoming connections and real-time data streams to other locations that want to monitor this data. Other locations can have Dyna-Vision™ Software modules installed to access the data on the server.



Simple layout of Dyna-Vision™ Monitoring



More advanced layout of Dyna-Vision™ Monitoring.

From left to right you will need parts described in the sections below.

1) DYNA-VISION™ UNIT(S)

The Dyna-Vision™ units send the ECG recordings, ECG events or Live Vital Signs to the Dyna-Vision™ Server. The transmission is done via the internal GPRS connection.

You can also use the Dyna-Vision™ Monitoring software to send files to other locations using the “Send To” software feature. The data is sent from the PC to the Dyna-Vision™ Server via an internet connection.

There are 4 variants of the Dyna-Vision™ units as specified below:

Product	DVM-010	DVM-010G	DVM-010S	DVM-010SG
3, 5 and 12 L ECG	√	√	√	√
Holter recording > 30 days	√	√	√	√
ECG Cardiac Event Recording	√	√	√	√
Bluetooth and USB	√	√	√	√
GPRS connection		√		√
Real-time monitoring with mobile phone		√		√
SpO2 Event Recording			√	√
SpO2 and Plethysmogram			√	√

Dyna-Vision™ variants.

Each Dyna-Vision™ unit is delivered including a charger. You can order cables and sensors that you require with your Dyna-Vision™ units as accessory. These can be found in the official price list 2009.

STANDARD DELIVERY



Dyna-Vision™ unit



DV-PSU charger

You can order difference accessories with the units such as ECG wire sets, SpO2 sensors, Belt pouches and so forth. Check the latest price list to learn more about the available accessories.

2) DYNA-VISION™ SERVER

When using Dyna-Vision™ for transmission of ECG recordings or real-time remote patient monitoring you need to use a server. Depending on the number of Dyna-Vision™ units you expect to use, there are 3 options available to you:

RS TECHMEDIC BV SERVER

Our server is located in a level-3 secured server area in Amsterdam, the Netherlands. We will charge you a fee of Euro 5, - / month (USD 7,50) per Dyna-Vision™ unit that connects to our server.

Recommendation: this will be a good solution for you when you have a limited number of Dyna-Vision™ units. When you have more than 25 units it makes sense to use your own server.

YOUR EXISTING SERVER

If you already have a Unix / Linux server, can order our Dyna-Vision™ Server Software and use your own server for data transfer. The one-time fee for the Dyna-Vision™ Server software can be found in the pricelist.

NEW SERVER

We can supply you with a new server including the required server software to use it with Dyna-Vision™. The cost for a completely pre-installed server (hardware + software) is Euro 4.500,-.

SERVER SPECIFICATIONS

The minimum specifications for the server which is able to handle the data connections are:

Type:	Professional Rack Server
Processor:	Quad Core Xeon Processor 2.33Hz
	Controller with 128Mb BBW Cache
RAM:	2 GB
Hard disk:	2x 15k 146GB SAS Disk
Drive:	DVD drive
Operating System:	FreeBSD
Software:	Dyna-Vision© Server Software
Screen size:	NA
Resolution:	NA
I/O:	LAN – internet access
Keyboard + Mouse:	Standard
Power:	UPS required

3) DYNA-VISION™ SOFTWARE

The Dyna-Vision™ Solution can be displayed like this:



DYNA-VISION™ MONITORING

Dyna-Vision™ Monitoring is used to set-up the Dyna-Vision™ units and to receive the recorded ECG files. These files can then be analyzed with software modules that plug-in to the Dyna-Vision™ Monitoring software.

You can add the following software to the Dyna-Vision™ Monitoring software:

DYNA-VISION™ SWITCHBOARD

This software is used to monitor the connection status of each Dyna-Vision™ unit managed by the client. With a single click real-time monitoring in the Dyna-Vision Monitoring software can be started.

DYNA-VISION™ EVENT DASHBOARD

This software is used to receive cardiac and pulmonary events that are sent by Dyna-Vision™ units in a table on the desktop of the computer. The user can delete events, download and open events in the Dyna-Vision™ Monitoring software and even start real-time monitoring in the Dyna-Vision™ Monitoring software.

DYNA-VISION™ VITAL SIGNS LITE

This software is used to receive Heart Rate, Pulse Rate, SpO2 and alarms of multiple patients. This software does not feature real-time wave forms but for each patient real-time remote monitoring using the Dyna-Vision™ Monitoring software can be initiated immediately.

DYNA-VISION™ HOLTERCARE

This software is used to process and analyze ECG holter recordings of 5 minutes to 72 hours. The software includes auto-detection of arrhythmia, HRV analysis, ST analysis, and extensive reporting tools.

DYNA-VISION™ RESTING-ECG

This software is used to process 12-lead Resting ECG files with automatic interpretation and reporting.

DYNA-VISION™ HEALTH AND FITNESS

This software is used to analyze HRV, calculate mental stress and physical stress, functional age, fitness, autonomic balance, energetic balance and many other parameters.

Note: these software packages can be installed separately. ALL software requires to have the Dyna-Vision™ Monitoring software installed.