

## VIDEONYSTAGMOGRAPHY

The videonystagmography performed by a camera and infra red light measures and records the eye movement, which is analyzed by the software. NYSSTAR I is the essential tool to study the various functions of balance, namely the oculomotricity (ocular saccades, pursuit, optokinetic nystagmus) and the study of the vestibular system (spontaneous and positional nystagmi, rotary tests, caloric tests). NYSSTAR I is able to record all eye movements, as well horizontal, as vertical and even rotary movements on option. The calibration carried out by NYSSTAR I is stable and should only be made once at the beginning of the examination.

The recording by camera removes all artefacts due to the changes of polarity between the electrodes and the skin like with the interferences of electric and electrophysiological origin.

## DISOFT II

NYSSTAR I is accompanied by powerful data-processing software, which simplifies the task of the doctor.

According to tests carried out, the software analyzes and measures various parameters:

- number of jolts or ocular movements
- amplitude, frequency
- slow phase speed of nystagmus
- latency, phase, distortion
- gain
- symmetry or asymmetry of the responses
- paresis or labyrinthic hypoexcitability, directional preponderance of nystagmus
- measure of ocular fixation indices

## THE NYSSTAR SYSTEM

NYSSTAR I is based on an USB camera. Connected to a computer, it permits to localize the center of the pupil in real time. NYSSTAR I is provided in its case with its accessories: USB camera with 4 m cable, closed field mask, cap and USB interface.

## TECHNICAL SPECIFICATION

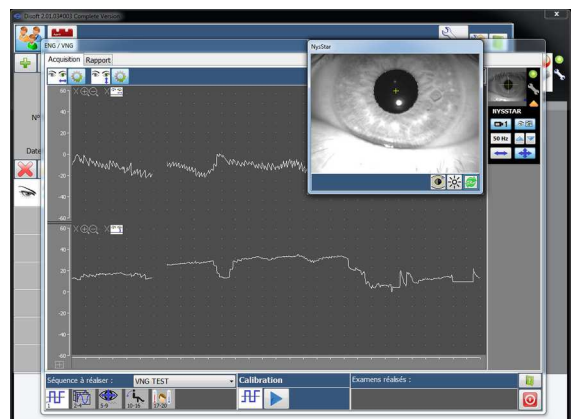
- Number of channels: up to 3 (horizontal, vertical and torsional)
- Resolution: 640 x 480 pixels
- Sampling rate: 50 Hz - 200 Hz (option)
- Connection: USB 2.0
- 100-240V - 50/60Hz 0.5A
- Requires a computer following Difra's specification available on request

NYSSTAR I meets EN 60601-1 Standard and Directive 93/42/EEC.

## NYSSTAR I



Ref.	Description
DI 140500	VNG NysStar, 1 IR camera, without computer, without printer
DI 14050X-BASIC	VNG Tests module



Australian Distributer:



Free Call:  
1800 639 263