

Stowood Black Flash Black Flash Plus Black Shadow



Ambulatory monitors for diagnosis of simple and complex sleep problems

The **Black Shadow** data acquisition recording unit is the top of the range of our Visi 'Black' series.

For both sleep clinic and home use, the **Black Shadow** units offer a low cost of ownership and provide clinicians with extensive diagnostic capabilities, with analysis conducted by the Visi-Download diagnostic software.

The **Visi Black Shadow** gives all of the following signals:

- Meets and exceeds **AASM** recommendations for ambulatory sleep recorders
- Powerful analysis via Stowood 'gold standard' **Visi-Download** software
- Internal **Masimo** oximeter that works with reusable or disposable probes
- Fully **editable reports**, which can show any data or graph on any page
- Designed, manufactured, maintained and supported in the UK

For less demanding applications the **Visi Black Flash Plus** and **Visi Black Flash** recording units are also available.

The **Black Flash** screening device measures body movement, with calibrated sound level and high quality audio.

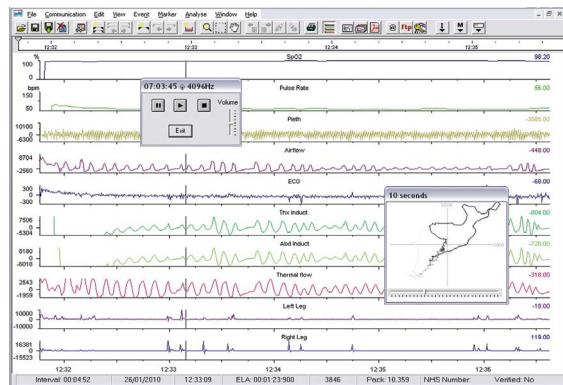
Black Flash Plus builds on Black Flash, adding oronasal flow (thermal), and thorax and abdomen respiratory effort.

Black Shadow — the complete system. Oximetry, nasal airflow (pressure), body position, body movement, calibrated sound level, high quality audio, oronasal flow (thermal), thorax and abdomen respiratory effort, ECG, left and right limb movement.

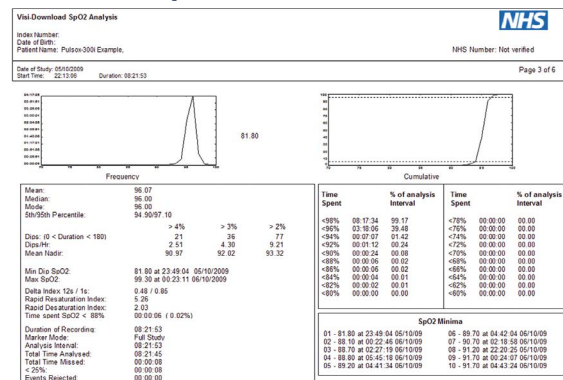
The **Black Shadow** can also be used in the sleep lab with synchronised IR video.



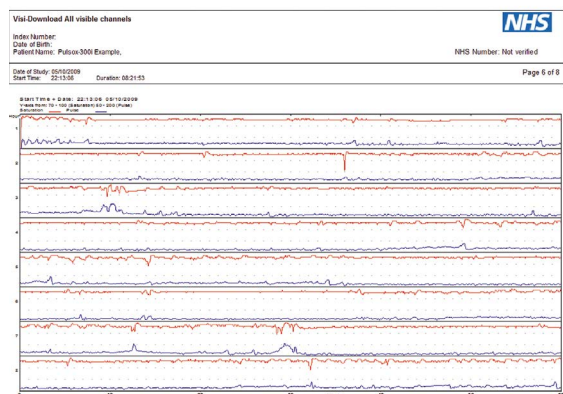
Raw waveform



Editable reports



Powerful analysis



Wide range of consumables & accessories



Technical specification

- Dimensions 120 x 90 x 25 mm
- Weight including batteries .. <200 g
- Power Two AA standard or rechargeable NiMH batteries; virtually no power consumption when 'Off'
- Sensors Disposable nasal cannulae, reusable or single use Masimo oximeter probes, reusable thermistors, inductance belts, leg sensors or EMGs
- Data storage Removable SD card
- Setup & waveform check Bluetooth or wired setup
- Software Visi-Download including audio replay as used for oximeters & capnometers. Reports available in six languages
- CE CE 1639

	Visi Black Shadow	Visi Black Flash Plus	Visi Black Flash
Audio	*	*	*
SpO ₂	*	*	*
Pulse rate	*	*	*
Nasal airflow (pressure)	*	*	*
Oral/Nasal thermistry	*	*	*
Sound level (dB)	*	*	*
Snoring	*	*	*
Body position	*	*	*
Body movement	*	*	*
Patient event	*	*	*
Pleth. signal	*	*	*
Respiratory effort 2 Inductance or PVDF	*	*	
Leg EMG/mvt 2 EMG or Pz	*		
ECG	*		
Aux inputs	* (4)		
Wireless	*	*	*

