



It has been proven that having relaxed co-operative patients whilst being scanned is beneficial as this can speed up the throughput of patients. This benefits both patients and staff.

In February 2010 the British Journal of Radiology (BJR) published an article in which the comparative cost of carrying out an MR scan under anaesthesia was compared to the same scan carried out without the need to anaesthetise.

The cost of the scan with anaesthesia was approximately three times that of a non anaesthetised one. On the figures given in the article, there would be a saving of approximately £337 or Euro 370 per scan.



Video System as installed at Wexham Park Hospital, Slough, UK

Wardray Premise designed the Relax & View® Video System which has proved popular, especially in children's hospitals, as it has reduced the instances of the need to sedate or anaesthetise the child.

This subsequently saves time, cost and the general stress to all involved. This can also be true of some adults who are claustrophobic.

The system is able to play either DVD's or video from an iPod (using optional dock).

Mk3 RELAX & VIEW® VIDEO SYSTEM

MR6300/MR6300fMRI

Building on the success of the earlier models, we are pleased to present our latest Mk3 System.

Our Mk3 Relax & View Video system now comes with the following features:

- ▶ 27% larger screen viewing area
- ▶ 24" Widescreen with 16:9 Aspect Ratio
- ▶ 1920 x 1080 (1080P) Resolution (Full HD)
- ▶ LED backlit screen. This allows the RF enclosure for the screen to be 20mm thinner

The screen is enclosed in a full RF enclosure with an Indium Tin Oxide coated fine mesh window. This aids clarity of the viewed image, whilst also ensuring that there is no "noise" interaction between screen and scanner. The signal feed to the screen unit is via *fibre optic* cables.

Once installed the unit is extremely easy to use. As with the earlier models the picture can be easily reversed and / or inverted. This allows the patient to view the picture in the correct orientation, regardless of patient placement in the magnet or mirror system in use. Audio is supplied either through the scanners own audio system or in conjunction with our Pure Sound Audio system MR200

The screen is normally mounted on the back wall behind the scanner, but alternatively may be mounted on our Mobile Video Stand MR6003.

Installation can be carried out in approx ½ day and on a system which is on field. The unit is suitable for all scanner types up to and including 3.0T.

The unit comes supplied with all necessary power supplies and cables including *fibre optic*, as well as Pen Panel filter and fitting kit.

Universal Mirror Mount for use when Head Coil not in use.

System includes:

- ▶ 40m Fibre Optic Cable
- ▶ 10m In Room Power Cable (other lengths available to order)
- ▶ 110 - 230v AC Input
12v and 36v DC Output
- ▶ Size Overall: 625mm x 375mm x 66mm
- ▶ Viewable Screen area: 535mm x 303mm
- ▶ Weight of Screen Unit: 11Kg
- ▶ Colour: RAL 9001 – Cream



DVD player

Options:

X-Tender Units to allow the system to connect to DVI-D output of Laptop/PC for Functional Imaging studies. Remote Screen for use in waiting area complete with suitable mount.

iPod Dock/Charger.

Extended Warranty



GEN.S.14/239a

Additional Features of MR6300fMRI

In addition to the features offered by the standard MR6300 the functional system MR6300fMRI allows for an input from either a Laptop or PC (not supplied). An X-Tender unit is supplied which converts the digital signal from the Laptop or PC to an optical signal and then in the screen unit converts it back into a digital signal which is then displayed on screen. A wide range of both proprietary software and response pads are available from many specialist vendors to suit the particular needs of the study been undertaken.

Typical Quotes:

“We had a 4 year old child we usually would not have attempted to scan as non-sedation but needed to because of NPO issues and medical urgency. Our strategy was to set the patient up feet first to reduce anxiety from going in head first. We then positioned the Relax & View head mirror so the patient could watch cartoons being projected behind them. The patient images were perfect and he never moved during any part of the exam. Hands down, this is the best quality and easiest system we have ever used.”

Ralph Magee, Lead MRI Tech, Children’s Hospital of Philadelphia. USA

“The video system has also proved to be a great asset and the children especially find their scanning experience to be much less traumatic – in fact the main problem we now have is persuading them to get out of the scanner when the scan has finished!”

Erica Scurr – MRI Superintendent Radiographer – The Royal Marsden Hospital. Sutton. UK

“since we installed the relax and view video system in the MR Scanner, it has proved to be an even bigger boon than we had originally expected. It has two benefits, one is that it enables us to scan some children who would otherwise need either sedation or a G.A., because the distraction of being able to look at their own video means they co-operate. It also helps the parents.

The second group that it is, in fact of great benefit to are the children who have regular scanning, such as oncology patients, who find the whole procedure quite boring and this provides them with distraction therapy and makes the whole process of scanning a lot less intimidating and more comfortable.

As you know, this was purchased for us from Endowment Funds and I believe that this has been money well spent. As I have said, it both improves the quality of care of patients, in addition to actually enabling us to scan children more quickly because they co-operate it takes less time.”

Professor Helen Carty – Professor of Paediatric Radiology. Alder Hey Hospital. Liverpool. UK

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Installation Schematic for Video and fMRI Video Systems

