



# MRI COMPATIBLE HI RESOLUTION COLOR MONITORS

**MODEL NO. FS /INB/MRI/24**  
*(32, 43 & 55 INCHES AVAILABLE)*



**FRANK SHIELDS**

Frankshields have developed MRI compatible Display Monitors of standard screen sizes; which can work in sensitive MRI suites. The monitors can be mounted on the wall or ceiling or trolley mounted but has to maintain a minimum 95 cm from the periphery of the magnet.

The monitor is enclosed in a RF free non- magnetic casing and painted white in color, but customs color can be chosen for orders with good lead-time.

The power supply is attached to the monitor through a shielded hose.

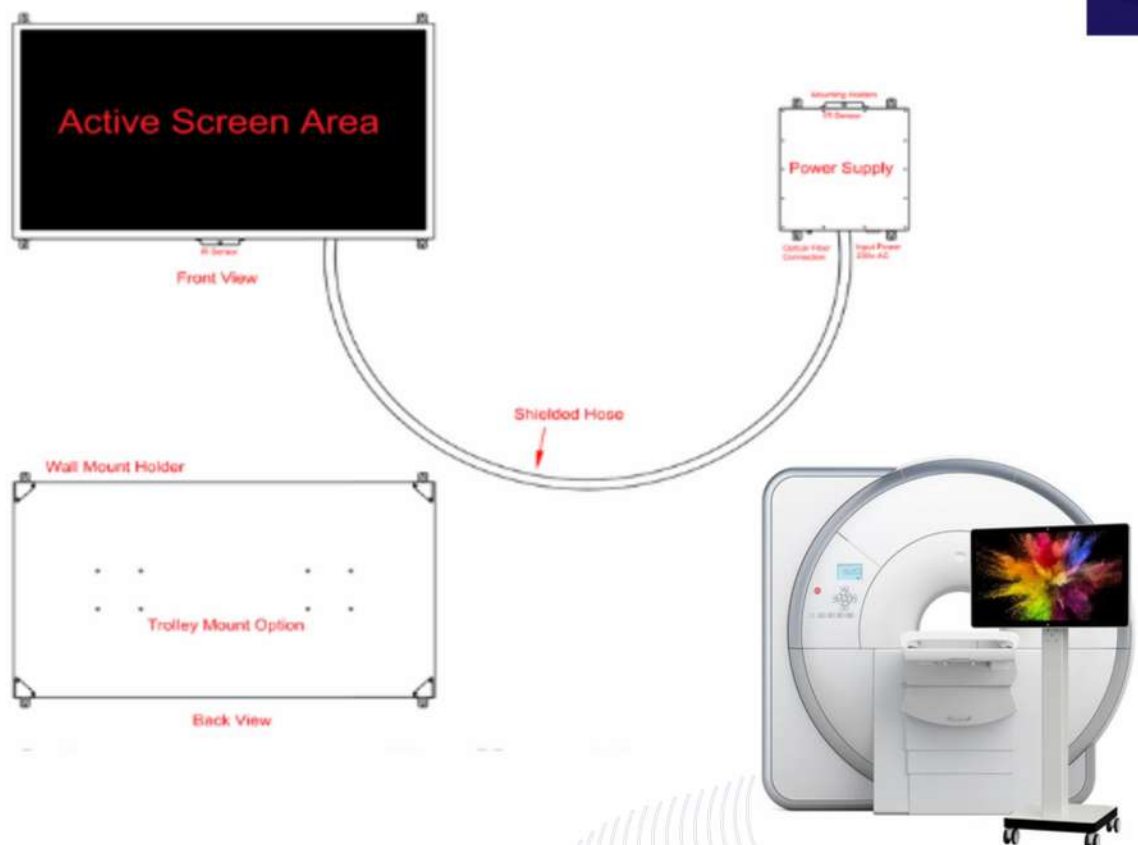
An HDMI input signal is fed to the converter installed in the console room and it drives the fiber optic cable, which is routed through a wave - guide on the RF cage and connected to the HDMI optical signal port on the monitor.

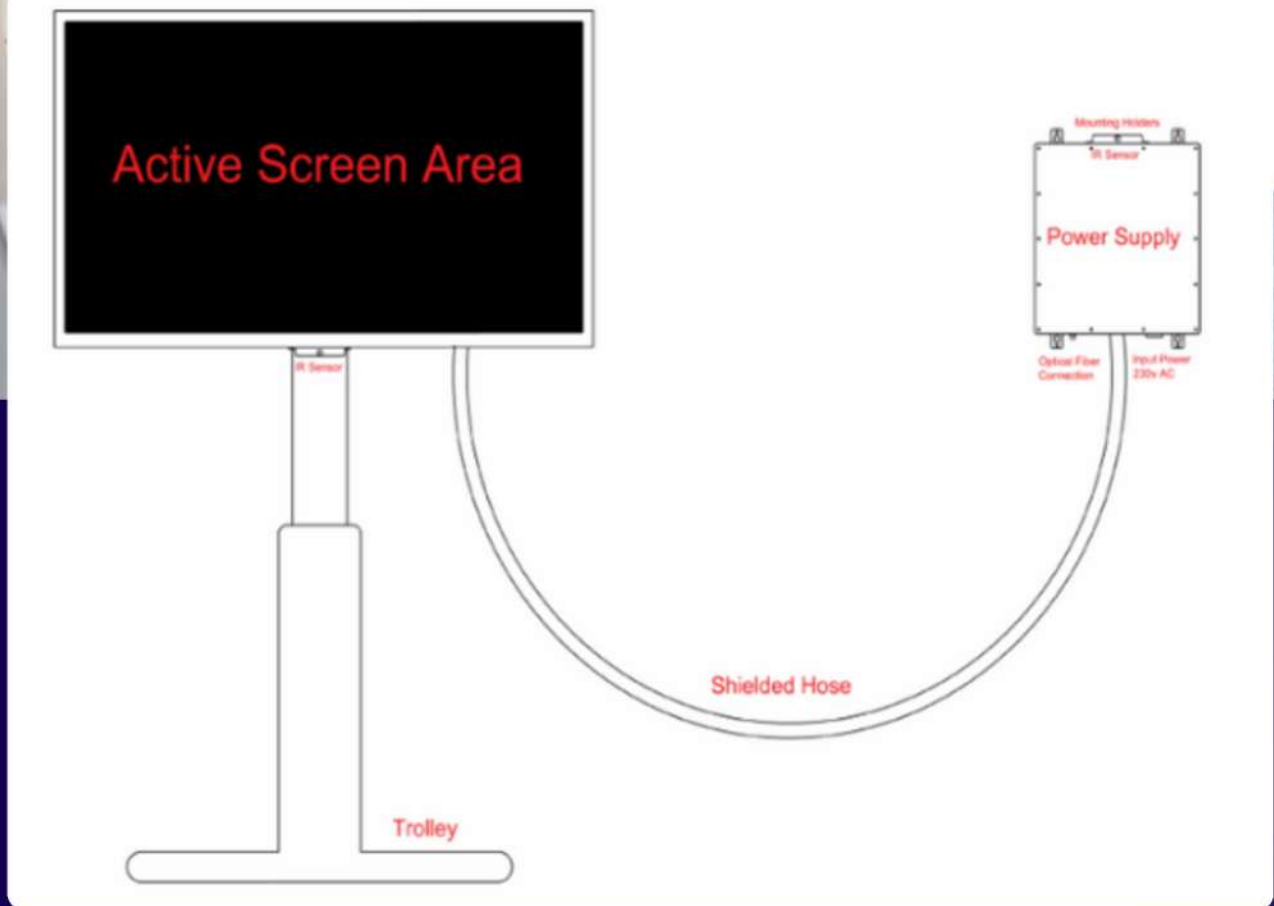
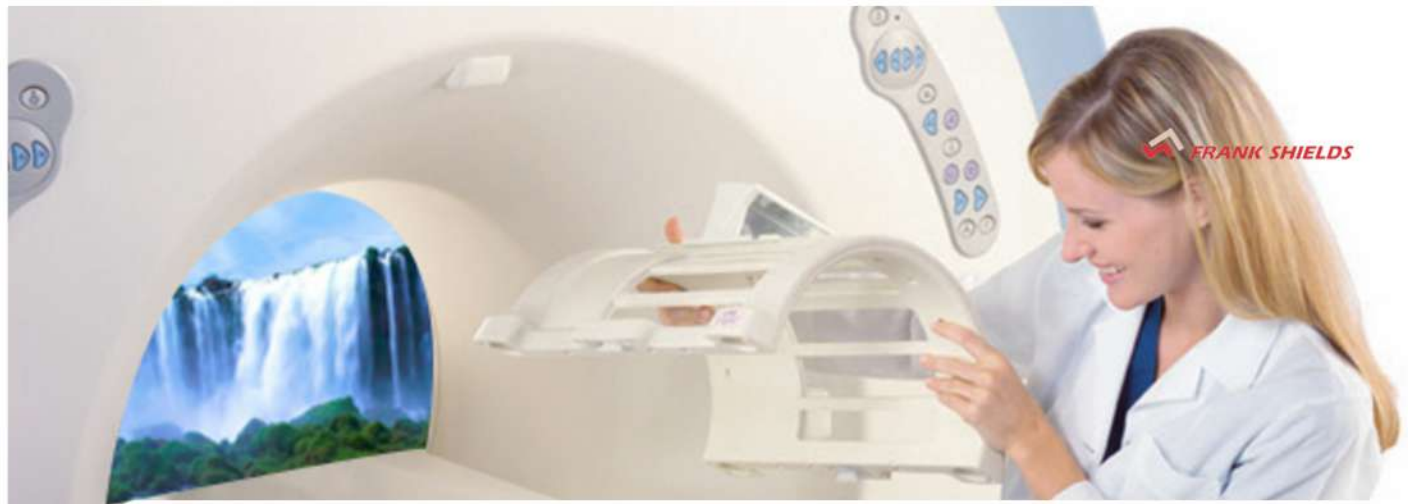
Standard Components of the Frank shields MRI compatible Monitor projector

**Includes the following: -**

- MRI compatible Monitor of standard size (Wide or Long): 43 Inch
- Fiber Optic Cable 20 m
- Standard 230-v power cable 2 m with British pin
- HDMI to Fiber Optic converter
- Power supply for the HDMI converter

## PHYSICAL APPEARANCE WALL MOUNT SYSTEM



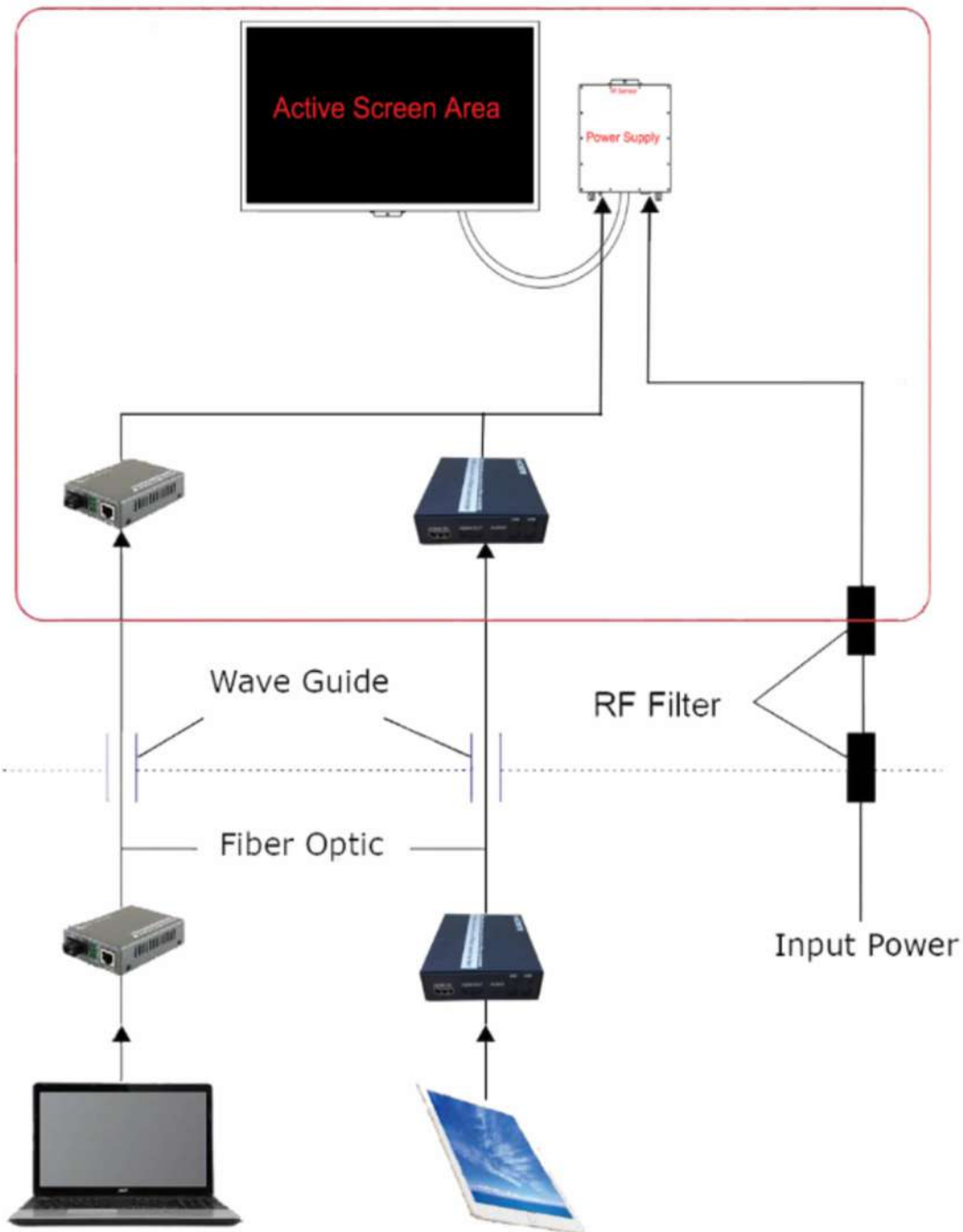


## PHYSICAL APPEARANCE TROLLEY MOUNT SYSTEM



MR Shield Room

Console area



## Monitor

### Adopt LG LCD glass:LC430DUJ-SGE1

| Parameter Name         | Details Description                        | Note     |
|------------------------|--------------------------------------------|----------|
| LCD Screen Size        | 43 inches                                  | Diagonal |
| Display area           | 941 * 529 mm                               |          |
| Outer Dimensions       | 983 * 570 mm                               |          |
| Driving Element        | a-Si TFT active matrix                     |          |
| Display Colors         | 8 Bit-16.7M                                |          |
| Display ratio          | 16:09                                      | NTSC     |
| Response Time          | 8ms                                        |          |
| Color saturation       | 72%                                        |          |
| Resolution             | 1920*1080P                                 |          |
| Resolution arrangement | RGB vertical stripe                        |          |
| Contrast               | 1000.1                                     |          |
| View angle             | 178°/178°(H/V)                             |          |
| Pixel Pitch            | 0.1634×0.4902 (H×V)                        |          |
| Display Way            | Normally Black                             |          |
| Backlight              | LED                                        |          |
| Driver Board           | HDMI Input                                 |          |
| Surface Treatment      | Haze 2%(Typ) ,3H(min)                      |          |
| Brightness             | 1000cd/m2                                  |          |
| Input Voltage          | AC 110v - 240V                             |          |
| Frequency              | 50/60 HZ                                   |          |
| Power Supply           | 780W                                       |          |
| Display ratio          | 16:09                                      |          |
| Back-light lifetime    | 50000 hr                                   |          |
| Additional Features    | Automatically adjust LCD screen brightness |          |
| Environment            | Operating Temperature :-40°C to +65°C      |          |

## Fiber Transmission

|                           |                             |  |
|---------------------------|-----------------------------|--|
| Support Agreement         | HDMI                        |  |
| video amplifier Bandwidth | 2.25Gbps(Single Link)       |  |
| Supported Resolutions     | 480p, 576p, 720p, 1080p     |  |
| Interface                 | FC Optical Fiber Patch Cord |  |
| Transmission Distance     | Single Mode Fiber 20KM      |  |
| Input Voltage             | DC 12V                      |  |
| Power                     | 3W                          |  |
| Operating Temperature     | -40°C to +65°C              |  |
| Working Humidity          | 5% - 90%                    |  |
| Physical Dimension        | 160 * 120 * 28 mm           |  |



# Thank you!



**FRANK SHIELDS**

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