



Installation Guide : SMD/SCD 19102 medical monitors

1. This guide refers to the Instruction Manual (IM) supplied on the CD you find enclosed in monitor box. Please make sure IM is dated 05/2008 or contact Eizo for download instructions.
2. Start by installing monitor according instructions, IM page 23 – 31 .
If the x-ray system use single BNC video, the cable should be connected to contact SoG/G .
See page 25.
Note: For SCD19102 the SoG/G signal is found in VGA contact and a BNC to VGA adapter (not supplied as standard) is needed. Monitor should be set to Monochrome, IM page 49.

3. The monitors are designed to automatically adapt to most common video timings .
Switch on monitor and allow the automatic setting function to display the input signal.
4. When the image on the monitor is presented without electrical or geometrical disturbance you should proceed according point 8 in this guide.

When the image on the monitor looks disturbed in any way this can usually be corrected by the use of the integrated *Force Mode* function.

5. You should enter into *Force Mode* via OSD menu/ Servicelevel 2 – See page 51.
6. Please read and carefully follow detailed instruction at IM pages 61-70.
If your modality video system can be found in the attached document “Known Force Mode settings” you should proceed according instructions for *Blind mode*, page 65.
7. For any fine adjustments of image resulting from *Blind mode* or when videotimings are unknown you should proceed according intructions for *Live mode* at page 66.
8. For common documentation and to assist all users with updating the “Known ForceMode settings”- document we kindly ask you to fill in the enclosed “ FM VideoTiming Application Protocol” and send it to your dealer or directly to Eizo (klas.jarborn@eizo.se).
9. For the final adjustments of the monitor greyscale please note intructions on page 58-60.
Especially note the selection of LUT which adapts greyscale outlook to your taste and application.
If you directly replace CRT-monitor the LUT 3 (CRT) might be your primary choice.
10. **Contact your local dealer or Eizo Europe AB, +46-8-594 105 00,(info@eizo.se) for comments and questions .**

Already known Force Mode settings

1. **System: Infimed FC 2000, 1049 lines / 60Hz (non interlaced)**

Horizontal resolution	1025
Vertical resolution	1014
Total horizontal lines	1312
Horizontal blank pixels	254
Vertical blank pixels	31

2. **System: Phillips DSI x – ray system, 1249 lines / 50Hz System:**

Horizontal resolution	1280
Vertical resolution	1024
Total horizontal lines	1908
Horizontal blank pixels	449
Vertical blank pixels	78

3. **System: Hicor 50Hz 1249 lines 1244 x 1024 Pixels (interlaced) System:**

Horizontal resolution	1344
Vertical resolution	1024
Total horizontal lines	1728
Horizontal blank pixels	346
Vertical blank pixels	63

4. **System: Hicor 100Hz 1249 lines 1092 x 1092 Pixels (interlaced) System:**

Horizontal resolution	1092
Vertical resolution	1092
Total horizontal lines	1438
Horizontal blank pixels	276
Vertical blank pixels	73

5. **System: Hicor 60Hz 1023 lines 884 x 884 Pixels (interlaced) System:**

Horizontal resolution	1092
Vertical resolution	1092
Total horizontal lines	1438
Horizontal blank pixels	276
Vertical blank pixels	73



6. System: Hicor 120Hz 1023 lines 1248 x 944 Pixels (interlaced) System:

Horizontal resolution	1248
Vertical resolution	944
Total horizontal lines	1632
Horizontal blank pixels	345
Vertical blank pixels	36

7. System: Thales PCU 60Hz 1050 lines 1000 x 944 Pixels (non interlaced)

Horizontal resolution	1000
Vertical resolution	944
Total horizontal lines	1270
Horizontal blank pixels	216
Vertical blank pixels	55

8. System: Thales PCU 50Hz 1249 lines 1000 x 1000 Pixels (non interlaced)

Horizontal resolution	1000
Vertical resolution	1000
Total horizontal lines	1281
Horizontal blank pixels	217
Vertical blank pixels	11



Force Mode VideoTiming Application Protocol

System: _____
—

Manufacturer: _____
—

Image frequency (Hz) _____
—

No of videolines: _____
—

From Force Mode: **Horizontal resolution:** _____

Vertical resolution: _____

Total horizontal lines: _____

Horizontal blank pixels: _____

Vertical blank pixels: _____

Hospital : _____

Date: _____

Name: _____