

Precautions for using image sensors - 3

Scope: S1168x-12 Series with a cable



Precautions for use

- **Use a disposable sterilized cover to avoid various infections among patients.**
- **Make sure that the product operates properly before using. Do not use the product when there is something wrong before using. Stop using the product immediately when it is found to be in fault while in use, such as overheating or cracking.**
- **Do not modify or overhaul the product by yourself.**
- Verify your own application software. Improper command sequence, improper arguments and any other improper operation may result in unintended behavior.
- If the product is used in an ambient temperature of 35 degrees C for a long time, the maximum temperature of the surface of the product might be 45 degrees C. Use the product with paying attention to the temperature.
- Do not twist, bend, pull and pinch the cable strongly. These actions can cause damage to the cable.
- Connect and disconnect the USB connector with holding it by fingers (without holding the cable.)
- Make sure that the USB connector is not wet and dirty before you connect it.
- Do not touch the pins of the USB connector because the product can be damaged due to static electricity.
- Do not drop or strike the product.
- Do not apply any pressure (e.g. tight holders or biting) on the product because it might be damaged.
- Obey local laws when you use or dispose the product.
- If you use the product beyond the estimated useful life, check the performance of the product carefully before using.
- Take measures against computer viruses and verify antivirus measures.
- See also Manuals in the attached CD-ROM before using the product.
- Use an accurate X-ray dose meter if you need to measure an X-ray dose rate accurately. The sensor can measure an X-ray dose rate, but the output value is not as accurate as one output by an accurate X-ray dose meter.
- Use the PC complied with Product Safety, IEC 60950-1 and European Norm EN 60950-1 or EMC, CISPR 22/CISPR 24 and EN 55022/55024.



Do not bend the cable hard



Do not pull the cable



Do not touch the pins



Connect and disconnect properly

Warranty

- The warranty is limited to replacement or repair of any defective product due to defects in workmanship or materials used in manufacture. The warranty does not cover loss or damage caused by natural disaster, misuse (including modifications and any use not complying with the environment, application, usage and storage conditions described in this precautions and each datasheet), or total radiation dose over 50 Gy (incident X-ray energy: 70 kVp) even within the warranty period.
- If there is any problem concerning attached DLL, we are to resolve the issues and update it. We will not be liable for any damage, harm, or loss incurred by your application software using attached DLL.

Maintenance

- **To disinfect the sensor head and the cable near the sensor head, wipe them with a cloth with 70% isopropyl alcohol after you finish using the product.**
- **Do not keep immersing the product in any liquid. However, you can immerse the sensor head in only water for a few seconds each time.**
- **Do not immerse the cable of the product in any liquid.**
- Do not expose the product to any unspecified liquid.
- Do not sterilize the product. (e.g. heating, autoclaves, UV)
- While you do not use the product, we recommend that you put it into the packing box we sent to avoid the damage of static electricity.
- Keep the product away from direct sunlight, dust, or corrosive gases such as chlorine or fluorine, etc.
- Do not apply pressure on the product during storage.



Wipe the sensor head to disinfect



Do not immerse the cable in any liquid

Please refer to our website for details.

Precaution for use

http://www.hamamatsu.com/resources/pdf/ssd/image_sensor_KXX-A12018-ENG.pdf