

# **SMA51 (35+) 8K Important installation instructions**

August 2023

## **Setup and Installation**

Select a location which is free from vibrations. Any vibration of the system will affect image quality negatively. When selecting the location, also ensure that it is free from dampness and dust, for example a room with PVC floor coverings which minimizes dust residue.

The environment in the room should be a constant 20° C to 22° C with a humidity level of 50 % to 70 %. If the relative humidity is outside the range stated, malfunctioning of the system can occur.

The back of the system should be a minimum of 1,200 mm from the wall or any other obstacle. This is to allow operators and service technician's reasonable access to the system.

The power supply must be within 5 % (plus or minus) of the voltage requirement stated. If it cannot be guaranteed that the power supply will conform to these specifications, a constant voltage regulator should be installed.

This is to ensure trouble free operation of the system, especially the computer. Power variations outside the tolerances stated can damage the system and will negate any warranty claims.

## **Unpacking and installation**

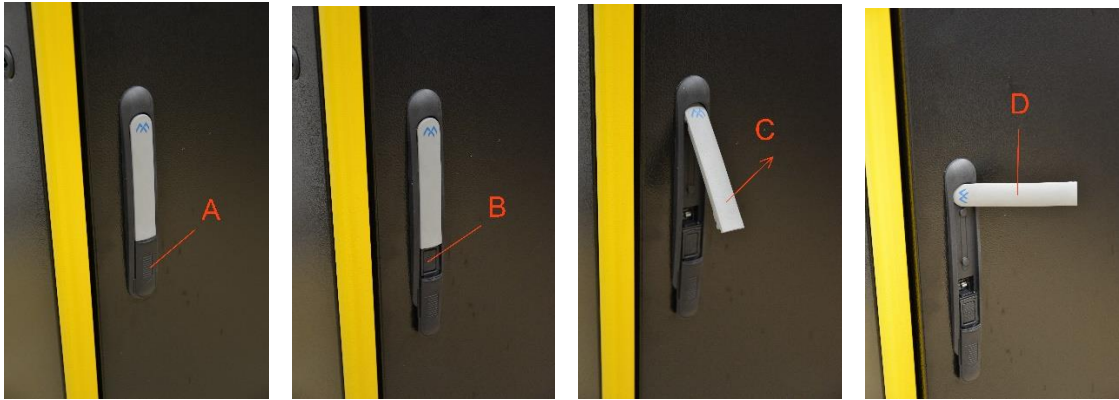
If the system is delivered in a wooden box please open the box by removing all cross recess screws.

Inside the box you will find the following things:

- The SMA51 (or 35+)
- the PC
- the control (small) monitor
- boxes with one or more camera heads
- accessories boxes
- packing material (around)

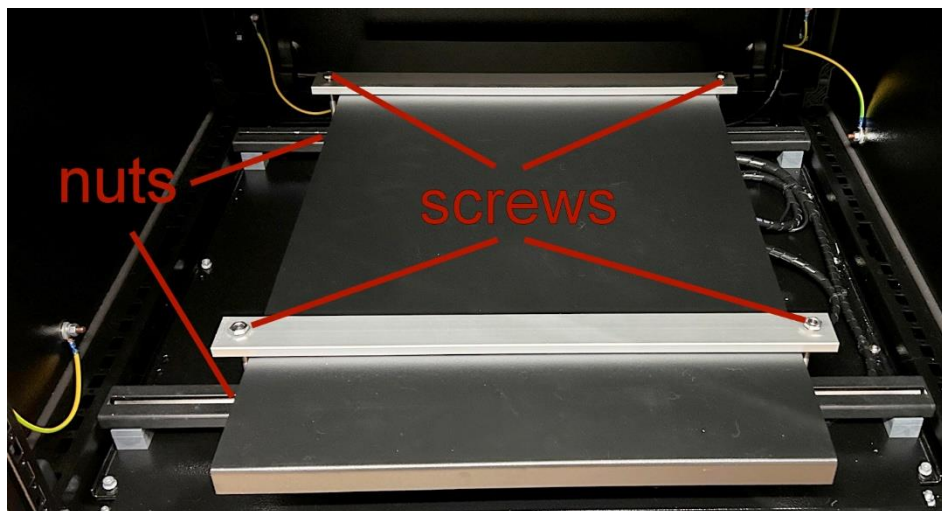
Do the following steps to install the system:

- Move the machine from the box to a place with no floor concussions and align the system first using the four regulating feet.
- Open the front (see next pictures) and the top lid, remove the packing material



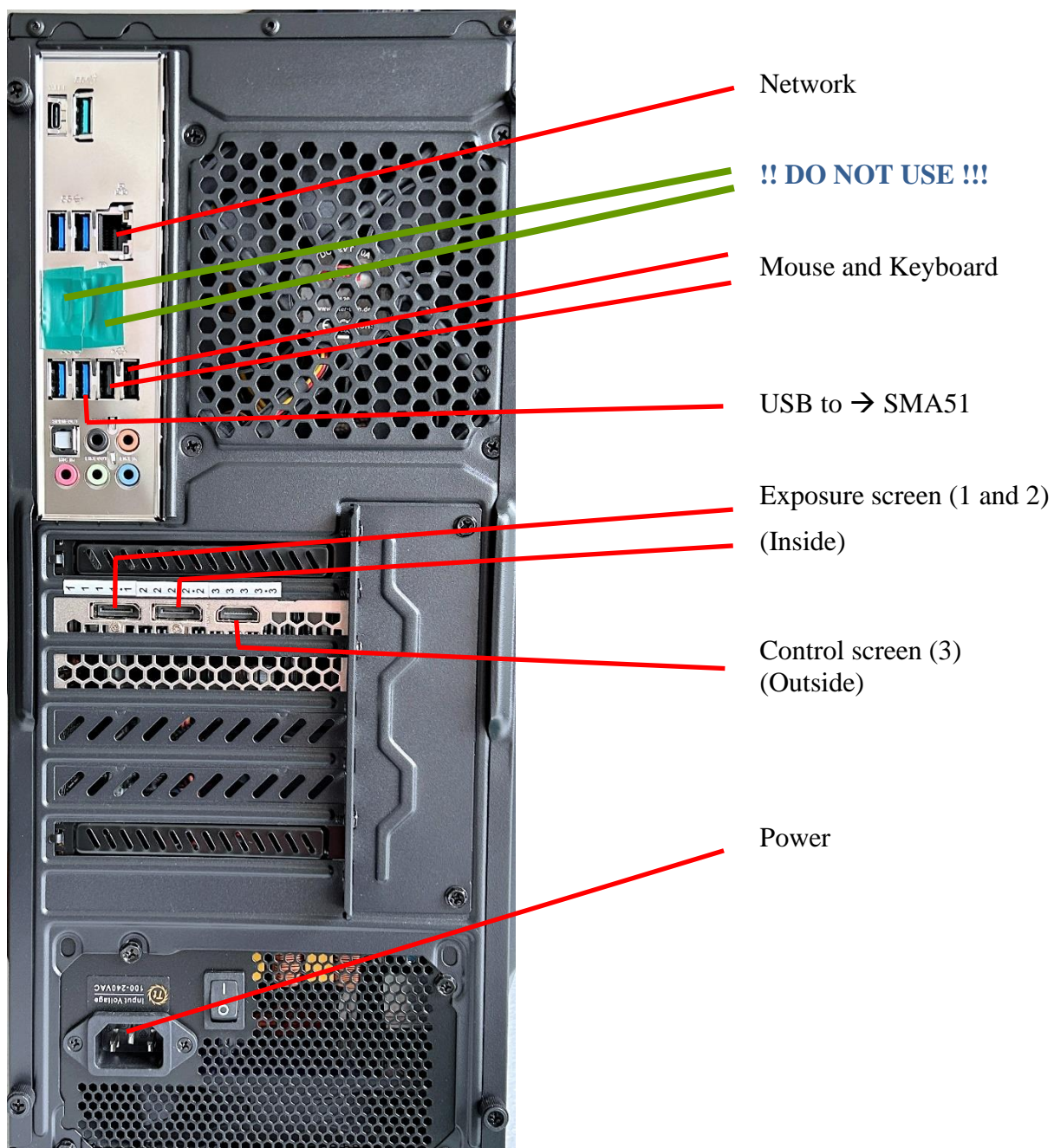
Open the front door:

- Move (A) downwards
- Press (B)
- Move (C) counter clockwise
- Grab (D) and open the door



- Loosen the four nuts on the bottom and turn the threaded rods completely out and keep all parts for later transportation.
- **Check if the image display inside the machine is covered!!!**
- Pass the three black cables (2xDP and 1xUSB) through the bottom hole in the middle of the rear side.
- Unpack one or both camera modules.
- Unpack the control monitor and connect it to the socket number 3 as shown in the following picture.
- Connect the two screen cables number 1 and 2 to the PC as shown in the following picture.
- Connect the power cable, mouse, keyboard and SMA51-USB as shown in the following picture.

Note: The figure may differ from the actual PC component.



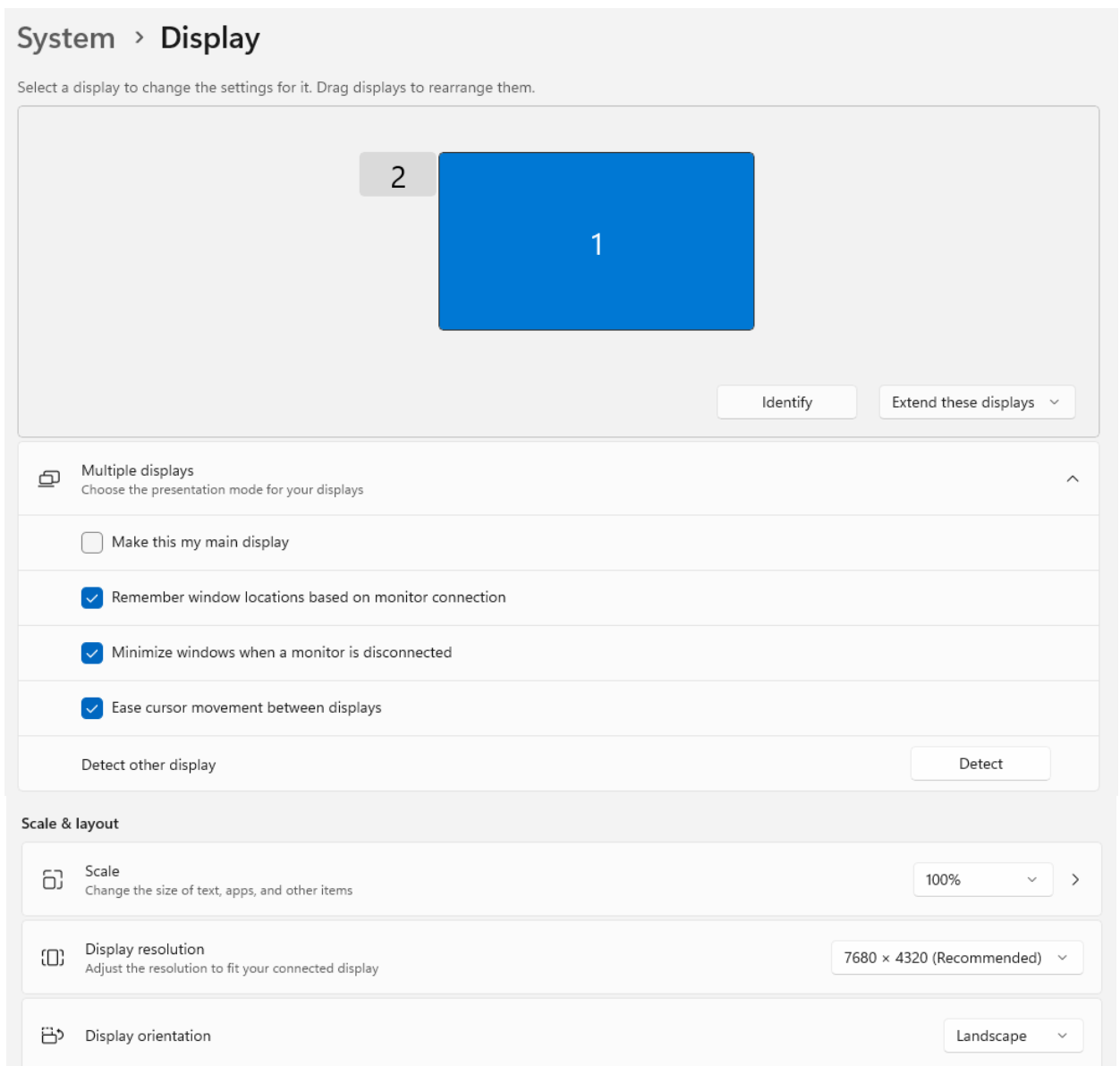
PIC 1

## ATTENTION

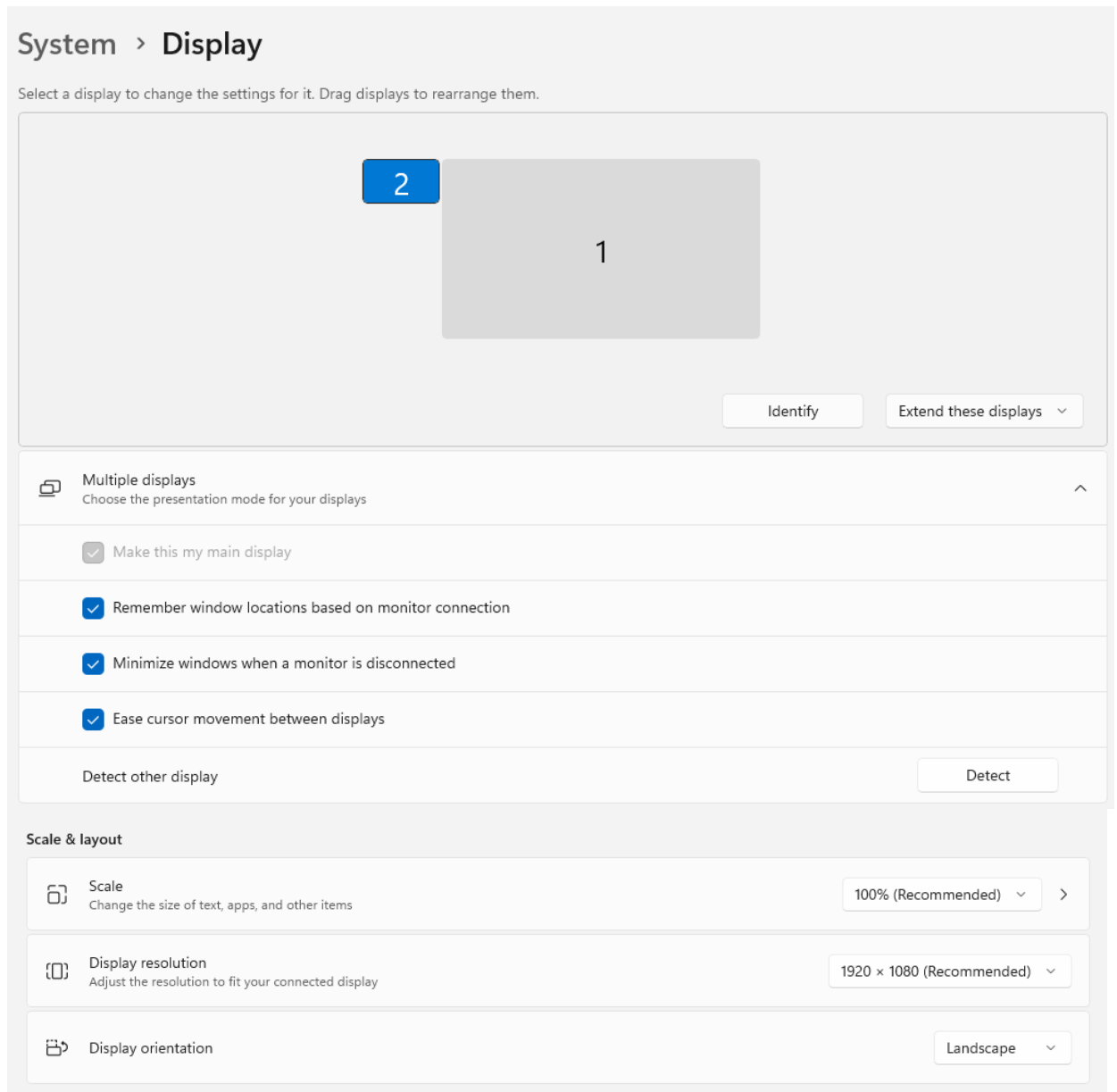
Make sure that all connections are firmly connected to the PC.

Especially the connections 1, 2 and 3 must be seated properly, otherwise the resolution is not adjusted correctly. Please check the resolution after install all components as described below.

- If everything is properly connected, remove the monitor cover inside the machine and gently clean the surface of the monitor if necessary.
- **Please switch on the PC first and wait until the login dialog appears. Login with → user1 and wait until the windows desktop appears. Now switch on the machine. The exposure monitor will be activated within 10 seconds now.**
- Right click onto the desktop and choose → Screen Resolution.
- Click onto the first (1) (large) monitor and check the following parameters:
  - Scale & layout → 100%
  - Display resolution → 7680 x 4320
  - Display orientation → Landscape
  - Make this my main display → Not checked



- Click onto the second (2) (small) monitor and check the following parameters:
  - Scale & layout → 100%
  - Display resolution → 1920 x 1080
  - Display orientation → Landscape
  - Make this my main display → Checked



## Important information if you create a new user under WIN 11

After creating a new user the following steps are necessary:

- Give full rights for the user to the folder C:\file-converter
- All backgrounds must be totally black
- All screensavers must be off
- All screens and hard drive may not go to stand by
- The exposure monitor has to show the images in the right size.

### Disable the taskbar of the exposure monitor

- right click onto the taskbar
- choose → Taskbar settings
- look for → Taskbar behaviors
- uncheck the box → Show my taskbar on all displays

