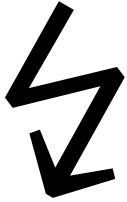


Hardware Installation Manual

EuroDome 2.0



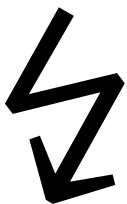


Before operating the EuroDome 2.0, check that the operating voltage of EuroDome 2.0 is identical with the operating voltage of your local power supply.

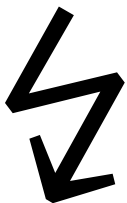
The operating voltage of EuroDome 2.0: 220 V AC, 50 Hz



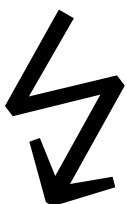
The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.



Completely disconnect the power cord (mains lead) from the wall socket (mains) if it is not going to be used for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself.



Should any solid object or liquid get into the system, unplug the system, and have it checked by qualified personnel before operating it again.



After turning on the unit or during operation the azimuth motor may start rotating the dome without any user intervention. Make sure, that the azimuth motor cannot make any injuries or damages. When fixing the mechanical parts of the dome, the unit must always be disconnected from the mains.

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Package Content

The package contains the following items:



- Controller Unit
- Azimuth Motor
- Shutter Motor
- Shutter Controller Unit
- Shutter Connector Box
- Console Unit
- Remote Controller
- Lamp
- Home Sensor
- Shutter Sensors (2pcs)
- Relay Connectors (4pcs)
- Sensor Unit (optional)

Main Unit

Mount the azimuth motor by using the pre-drilled mounting holes on the flange of the dome basement.

Mount the home sensor by using the pre-drilled mounting holes on one of the dome removal prevention arms. Make sure that the home sensor tab pre-mounted on the moving part of the dome reaches the arm of the home sensor and that it will not get



stuck in the home sensor.



The main unit has to be mounted on the wall. Before drilling the holes for the unit, ensure that the unit will be in a proper position concerning cable lengths for the home sensor, azimuth motor, shutter power rails, console unit, optional sensor unit.

Optionally mount the lamp onto the wall. Make sure that the cable is long enough to connect it to the main unit.

Shutter Unit

The shutter unit has to be mounted by using the pre-drilled mounting holes at the upper edge of the shutter opening.

Use the cable pipes for the cables of the end position sensors and for the cable of the shutter motor. Note that the longer end position sensor cable connects the lower end position sensor to the shutter unit.



Connect the end position cables to the end position sensors by screws. Make sure that the cables are connected to the normally closed (NC) connections. Make sure that the end position sensor tab pre-mounted on the moving part of the shutter reaches the arms of the end position sensors and that it will not get stuck in the end position sensors.

Connect the shutter motor cables to the shutter unit. Make sure to connect the cables according to the markings.

Console Unit

Mount the console holder onto the wall. Make sure that the cable of the console unit is long enough to connect it to the main unit.

Attach the console unit onto the console holder. Note that the console unit is detachable from the console holder for easier operation.



Camera Unit

Optionally mount the camera unit onto the wall. Make sure that the USB cable of the camera unit is long enough to connect it to the PC. Note that in case the cable length is not sufficient a USB-Ethernet converter can be used to extend the cable length. Use a similar converter at both the camera side and the PC side of the cable.



Sensor Unit

Optionally mount the sensor unit at an external part of the dome building. Make sure that the cable of the sensor unit is long enough to connect it to the main unit. Make sure that the blue rain sensor unit is tilted approximately 45 degrees and that the black light sensor points downwards.

Connecting the Cables

Make sure that the power cable is not connected to the mains. Make sure that the power switch of the main unit is in Off position.

- Connect the azimuth motor to the main unit.
- Optionally connect the lamp to the main unit.
- Attach the aerial to the main unit.
- Connect the console unit to the main unit.
- Optionally connect the sensor unit to the main unit.
- Connect the multi connector (encoders and home sensor) to the main unit.
- Optionally connect the USB cable of the main unit to the PC.
- Optionally connect the USB cable of the camera unit to the PC.
- Connect the power cable to the main unit.
- Connect the power cable to the mains.

The EuroDome is ready to switch on and use.



Optional External Units

Optionally external units can be connected to the main unit and switched on/off. For this purpose 5 connectors can be used. One of them is powered from the main unit and is used for the lamp. The other 4 connectors are not powered from the main unit. They can be used to switch connections on or off. Note that the maximum power requirements of the switched external units are 220V, 8A.



Note that the mounting of the external units to the connectors are to be done by qualified technicians.

To attach an external unit to the switched connectors a 2 pin socket connector supplied with the system has to be used. The cable of the switched connection can be mounted by screws inside the connector. Make sure that no shortcuts are present in the connection. Connect the mounted connector to one of the switched connectors. The switched connectors are pre-labeled as LIGHT, CCD, FOCUS, SCOPE, VENT. The LIGHT is the powered connection to be used for the supplied lamp. Do not use it for other equipments. The other 4 switched connections can be used for anything within the range of the specification.