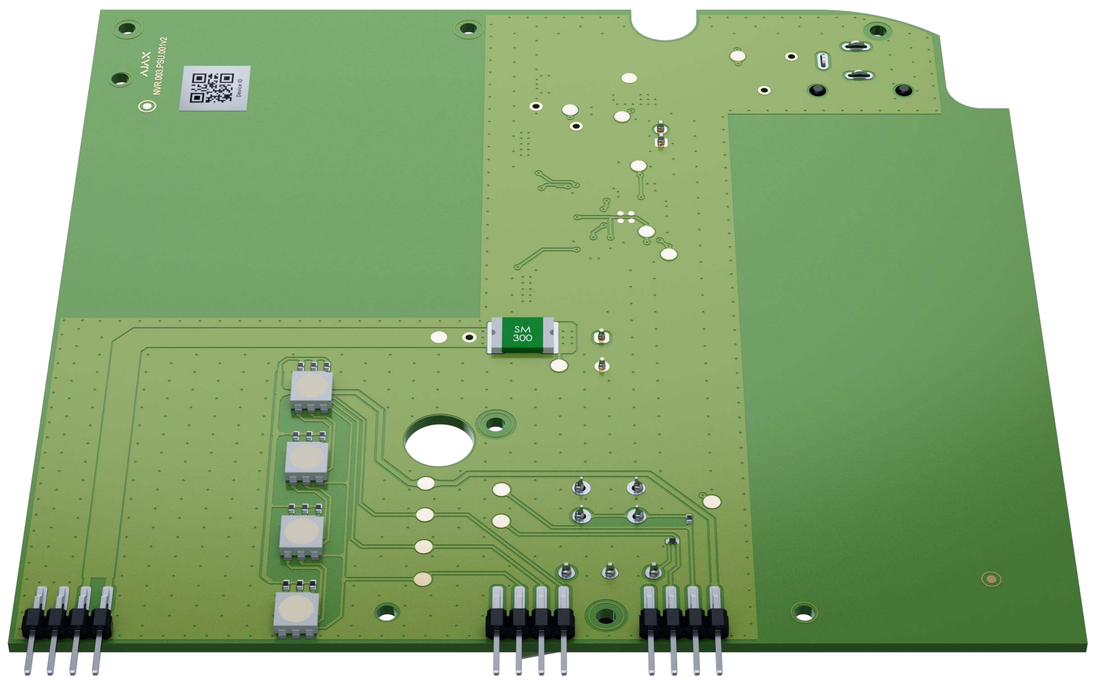
12V PSU for NVR

Power supply unit for the device operation on a low-voltage power source



Uninterrupted recording in a power outage

12V PSU for NVR is an electronic board that is installed into the video recorder enclosure, replacing the standard 110/230 V~ power supply unit. With the alternative power supply unit, an Ajax NVR can operate on a low-voltage power source instead of the facility's power grid. This setup ensures continuous video recording, making it ideal for protecting property with unstable or no power supply.

Hassle-free installation

A professional electrician can install the alternative power supply unit into a network video recorder in just about 10 minutes, using a single PH1 screwdriver and the device manual.

- 12V PSU for NVR is installed directly inside the NVR enclosure, replacing the standard 110/230 V~ power supply unit.
- A standard jack plug is used to connect the power cable.
- A terminal adapter is included in the complete set.

12V PSU for NVR supports two operating modes:

8–16 V⎓

In this mode, an Ajax video recorder operates within the 8–16 V⎓ voltage range. A jumper should not be installed.

12.1–16 V⎓

This mode allows an Ajax video recorder to operate on a voltage that exceeds 12 V⎓. To prevent a full discharge of the power supply, the NVR automatically switches off if the voltage drops below 10.35 V⎓. A jumper must be installed.

Compatibility

NVR (8-ch)
NVR (16-ch)

Connection to mains

Socket
6.5 × 2.0 mm
0.26" × 0.08"
Power jack (female)

Plug
5.5 × 2.1 mm
0.22" × 0.08"
Power jack (female)

Connected cable cross-section
AWG 12–14

Input without a jumper

Operating voltage
8–16 V⎓

Maximum current consumption
up to 4 A
When output maximum current consumption is 2 A

Turn-on threshold when the voltage rises
8.1 V⎓
In the no-load state

Turn-off threshold when the voltage drops
8.0 V⎓
In the no-load state

Input with a jumper

Operating voltage
12.1–16 V⎓

Maximum current consumption
up to 4 A
When output maximum current consumption is 2 A

Turn-on threshold when the voltage rises
12.1 V⎓
In the no-load state

Turn-off threshold when the voltage drops
10.35 V⎓
In the no-load state

Output

Nominal voltage
12 V⎓ ± 3%

Shutdown device's current consumption
110 µA

Quiescent device's current consumption
65 mA

Maximum device's current consumption
2 A

Installation

Installation method
inside the NVR enclosure

Operating temperature range
from 0 °C to +40 °C
from 32 °F to 104 °F

Operating humidity
up to 75%

Protection class
IP20

Board

Color
N/A

Dimensions
118 × 123 × 17 mm
4.64" × 4.84" × 0.67"

Weight
51 g
1.80 oz

Complete set

12V PSU for NVR
Terminal adapter
Quick start guide