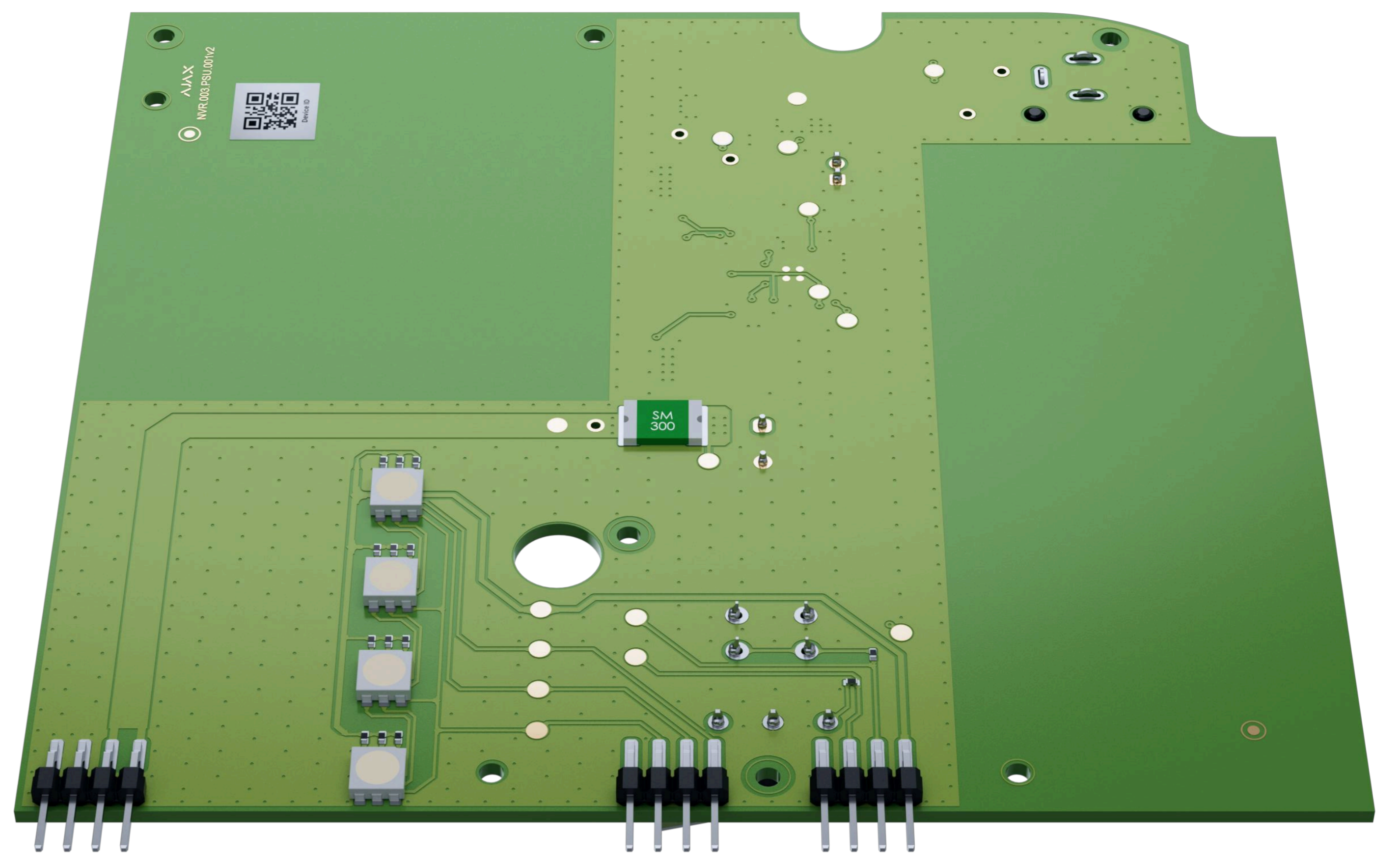


## 12V PSU for NVR

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 $\overline{=}$

In this mode, an Ajax video recorder operates within the 8–16 V $\overline{=}$  voltage range. A jumper should not be installed.

#### 12.1–16 V $\overline{=}$

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

|  |   |  |   |
|--|---|--|---|
| <p><b>Compatibility</b></p> <p>NVR (8-ch)<br/>NVR (16-ch)</p>  | <p><b>Connection to mains</b></p> <p><b>Socket</b><br/>6.5 × 2.0 mm<br/>0.26" × 0.08"<br/>Power jack (female)</p> <p><b>Plug</b><br/>5.5 × 2.1 mm<br/>0.22" × 0.08"<br/>Power jack (female)</p> <p><b>Connected cable cross-section</b><br/>AWG 12–14</p>                   | <p><b>Input without a jumper</b></p> <p><b>Operating voltage</b><br/>8–16 V<sub>DC</sub></p> <p><b>Maximum current consumption</b><br/>up to 4 A<br/>When output maximum current consumption is 2 A</p> <p><b>Turn-on threshold when the voltage rises</b><br/>8.1 V<sub>DC</sub><br/>In the no-load state</p> <p><b>Turn-off threshold when the voltage drops</b><br/>8.0 V<sub>DC</sub><br/>In the no-load state</p> | <p><b>Input with a jumper</b></p> <p><b>Operating voltage</b><br/>12.1–16 V<sub>DC</sub></p> <p><b>Maximum current consumption</b><br/>up to 4 A<br/>When output maximum current consumption is 2 A</p> <p><b>Turn-on threshold when the voltage rises</b><br/>12.1 V<sub>DC</sub><br/>In the no-load state</p> <p><b>Turn-off threshold when the voltage drops</b><br/>10.35 V<sub>DC</sub><br/>In the no-load state</p> |
| <p><b>Output</b></p> <p><b>Nominal voltage</b><br/>12 V<sub>DC</sub> ± 3%</p> <p><b>Shutdown device's current consumption</b><br/>110 μA</p> <p><b>Quiescent device's current consumption</b><br/>65 mA</p> <p><b>Maximum device's current consumption</b><br/>2 A</p> | <p><b>Installation</b></p> <p><b>Installation method</b><br/>inside the NVR enclosure</p> <p><b>Operating temperature range</b><br/>from 0 °C to +40 °C<br/>from 32 °F to 104 °F</p> <p><b>Operating humidity</b><br/>up to 75%</p> <p><b>Protection class</b><br/>IP20</p> | <p><b>Board</b></p> <p><b>Color</b><br/>N/A</p> <p><b>Dimensions</b><br/>118 × 123 × 17 mm<br/>4.64" × 4.84" × 0.67"</p> <p><b>Weight</b><br/>51 g<br/>1.80 oz</p>   | <p><b>Complete set</b></p> <p>12V PSU for NVR<br/>Terminal adapter<br/>Quick start guide</p>  |