

# Product information and technical specifications

Stand: 01.02.2026



## HORSE PROTECTOR 2.0 – AI-based Horse Health and Security-System

### 1. Technical Specifications

- PoE+ (Power Over Ethernet) capability, IEEE 802.3af/at-compliant.
- POE input voltage: 37V-57V DC input
- Network standard: Support IEEE 802.3af/at PoE/PoE+
- POE equipment:
  - 802af/at-compliant router or switch
  - The single port output power of a switch needs to be PoE+ (or higher) Standard with 30W (or higher) output per Port
  - If you use multiple PoE devices on your network switch please make sure that the maximum total power output is high enough to deliver 30W to the connected ports. E.g. 4-Port-Switch with 120W would be sufficient for four HP 2.0, a 60W 4-Port-Switch (with PoE+) can only deliver the 30W for two HP 2.0
- Betriebstemperatur: -20 °C bis 35 °C
- IR-Lights: 850nm 5 Watt
- No direct exposure to heat sources or water



## Technical specifications

### Camera

- Resolution: up to 1920×1080 (Full HD)
- Sensor: CMOS
- Field of view: 120°

### Infrared

- IR wavelength: 850 nm
- IR power: 5 W
- Night vision range: up to 10 m

### Network

- PoE+ IEEE 802.3af/at
- Input voltage: 37–57 V DC

### Environment

- Operating temperature: –20 °C to +35 °C

## Compliance and disposal instructions

The HORSE PROTECTOR complies with the relevant provisions of the RoHS Directive 2011/65/EU for the European Union.

ACARIS GmbH hereby declares that the HORSE PROTECTOR complies with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

[https://acaris.net/de\\_de/help/#acaris-service](https://acaris.net/de_de/help/#acaris-service)



The HORSE PROTECTOR operates in accordance with the harmonized standard EN 300 328 v2.1.1 and transmits and receives in the frequency band 2400 MHz to 2483.5 MHz and, as specified in section 4.3.2.2 for broadband modulation devices, operates with a maximum EIRP of 20 dBm. The HORSE PROTECTOR also operates in accordance with the harmonized standard EN 301 893 v2.1.1 and transmits and receives in the frequency bands 5150-5250 MHz, 5250-5350 MHz, and 5470-5725 MHz and, as specified in section 4.2.3.2 for broadband modulation devices, operates with a maximum EIRP of 23 dBm (5150-5350 MHz) and 30 dBm (5450-5725 MHz). In accordance with Article 10.10 of the Radio Equipment Directive and the country codes listed below, the operating bands 5150-5350MHz are intended exclusively for indoor use.

This product has been tested and it complies with the limit values for Class B information technology equipment according to the European standard EN 55022.

Like all other electrical and electronic products (EEE), the HORSE PROTECTOR and its electronic accessories must not be disposed of as household waste.

## Safety instructions and care



Ensure that the lens of your IP camera is always free of dust and dirt. The cleaner the lens, the better the images/videos and analysis results. Use a cotton cloth for cleaning without water or cleaning agents.

The HORSE PROTECTOR and its accessories are electronic devices that must be operated away from water. Do not expose the device, cables, power supply, or electronic accessories to water or high humidity. Additionally, ensure that no dirt or dust accumulates on the devices. Ensure adequate ventilation of the device and accessories. Take care that the devices, cables, and power supply do not overheat due to insulation or poor ventilation.

To prevent overheating, do not place the HORSE PROTECTOR and its accessories near heat sources, and avoid direct sunlight or strong artificial light. Insufficient heat dissipation can damage the devices.

ACARiS is not liable for damages resulting from the improper use of the HORSE PROTECTOR.

Ensure that the HORSE PROTECTOR is only operated with the supplied power cable or power adapter. Other power sources can lead to system instability and damage to your HORSE PROTECTOR unit. The power supply should always provide 5.1 V DC and a minimum rated current of 5 A.

## Data protection and data storage

Generally speaking, data storage is subject to country-specific data protection regulations. Our top priority is data security. Therefore, we have set up our entire infrastructure on European Google Cloud servers. As part of Google's guarantee, we ensure that only ACARiS employees and you have access to your data. At the same time, we leverage the reliability of Google services and the security of Google's infrastructure to offer you the best possible service.

You always retain control over your data. This means you can request access to your stored data or have it deleted at any time. Simply send an email with the subject line "Data Access" to [info@acaris.net](mailto:info@acaris.net). Briefly describe your request and include your registered email address. A member of our team will then contact you.

## Legal Notice

You are legally required to clearly indicate the area you are monitoring with your camera by displaying a warning sign. We therefore recommend that you attach the supplied warning sign to your horse stall in a clearly visible location.

Furthermore, they are obliged to film only areas for which they have obtained explicit permission or which they themselves own.

## Disclaimer and Warranty

This user manual was prepared with the utmost care. However, should you notice any omissions or inaccuracies, please inform us by email at [info@acaris.net](mailto:info@acaris.net).

ACARiS GmbH accepts no liability for technical or typographical errors and reserves the right to make changes to the product and/or the operating instructions at any time without prior notice. No warranty is given for the content of this document.

ACARiS GmbH is not liable or responsible for any direct or indirect consequential damages arising in connection with the equipment, performance, and use of this product.

The warranty is void if damage is caused by failure to follow these operating instructions. We accept no liability for consequential damages! We accept no liability for property damage or personal injury caused by improper handling or failure to observe the safety instructions. In such cases, all warranty claims are void!

In particular, ACARiS assumes no guarantee or liability if the installation instructions have not been followed and this results in damage to people, animals or other property.

The HORSE PROTECTOR's horse health advice is based on algorithms that we are constantly improving. Nevertheless, we explicitly point out that ACARiS does not guarantee the horse's well-being. Should one of your horses unexpectedly become ill, ACARiS does not guarantee that every illness will be detected.

ACARiS does not claim to replace personal assessment or expert examination by a veterinarian.

## Security of your user account



Always ensure that only you know your ACARiS user account password. Choose a password that is at least 10 characters long and includes numbers, uppercase and lowercase letters, and special characters to protect against misuse.

In case of loss or theft of your user account or password, please contact ACARiS Support at [info@acaris.net](mailto:info@acaris.net) with the subject line "Account Security". If you are unsure whether your password is still secure, we recommend that you reset it immediately at <https://acaris.net/reset-password/>.

Should you no longer have access to your registered email address, please contact ACARiS Support immediately at [support@acaris.net](mailto:support@acaris.net) with the subject line "Account Security". You will need to provide a different email address to regain access to your account.