



# WireView PRO II

## High Performance Cooling Solutions

The WireView Pro II has been specifically developed for the demanding use of modern high-end graphics cards with the 12V-2x6 connector and represents the most advanced iteration of the WireView Pro. Current is not only measured as a total value, but also per each individual pin and wire of the 12V-2x6 connector. This enables immediate identification of potential contact issues between the cable and graphics card. The WireView Pro II has been purpose-built to enable precise monitoring of the 12V-2x6 connector, allowing early detection of load distribution problems and helping to prevent possible damage to the graphics card and the 12V-2x6 connector.

## Key Information

- Enhanced version of the WireView Pro with additional functionality
- Per-pin current monitoring for highest precision
- Extended warranty covering the GPU connector for 2 years
- Automatic data logging for failure case analysis
- Custom-designed 12V-2x6 connector for optimal compatibility
- Normal or reversed plug orientation options
- Plug-and-play usability without the need for custom configuration
- 90-degree cable routing for optimized cable management
- CNC-machined aluminum housing with active cooling functionality
- Semi-passive 30-mm fan controlled by temperature and power load
- Temperature monitoring at the input and output of the 12V-2x6 connector
- Two external 10k NTC temperature sensors included
- USB-C for user-performed firmware updates
- USB-C to USB-2.0 adapter cable for internal PC integration
- 320x170-pixel TFT-IPS color display
- Main View: per-pin monitoring, power consumption, connector detection, fan %, output temperature
- Simple View: total power, highest-current pin, voltage, hottest sensor
- Current Monitor: per-pin current in amps with visual limit display
- Voltage Monitor: per-pin voltage and average value
- Power Monitor: per-pin and total power
- Temperature Monitor: display of all 4 temperature sensors
- Audible and visual warnings if limits are exceeded
- Extensive configuration options for the display
- Global settings for alarms, cycle mode, design, and fan control



## Monitoring

All safety-relevant parameters such as currents (A), voltages (V), temperatures (°C), and power consumption (W) are continuously measured. Thermal Grizzly has defined threshold values which should not be exceeded during regular operation, since doing so would increase the risk of thermal damage to the connector. When a threshold is exceeded, a visual warning appears on the display and an audible alarm is triggered. Optionally, automatic system shutdown can be initiated via the included splitter cable. The preset threshold values can be adjusted through the configuration menu.

## Cooling

Due to unavoidable contact resistances at plug connections which result in power loss, additional heat is generated during the operation of high-performance GPUs. To ensure controlled heat dissipation, a semi-passive fan has been integrated, which operates silently at idle and activates automatically with increasing power draw and temperature. The CNC-machined aluminum housing features ventilation openings and serves as an active heatsink. Optimized openings in the rear PCB guide airflow around all heat-relevant components including the graphics card power connector.

## Technical Data

### Unit:

Material (housing):

Colour:

Display:

Pin alignment connector:

Connector type:

Additional connectors:

Measurement tolerance:

PU:

### Value/Description:

Aluminum

Black

320 x 170 pixel TFT IPS color display

Normal ("N") / Reverse ("R")

12V-2x6

USB-C

2 x 2-pin (temperature sensors, 10k NTC)

2-pin (motherboard power button)

±4%

4 Pcs.

### Name:

WireView Pro II Reverse

WireView Pro II Normal

### Item number:

TG-WV-P2-H19R

TG-WV-P2-H19N

### EAN-Code:

4260711992483

4260711992490

### Size:

62,5x65x39,5 mm

62,5x65x39,5 mm

### Package size:

11,3x10,5x8,5 cm

11,3x10,5x8,5 cm

### \*Net weight:

81,5 g

81,5 g

### \*Gross weight:

194,5 g

194,5 g

\*Net weight is the total weight of an article excluding the weight of packaging and accessories. The gross weight refers to the total weight of the product including accessories and packaging. Slight weight deviations are possible due to production factors.

## User-Friendliness

The WireView Pro II is available with two connector orientations and can therefore be used with nearly any graphics card that has a 12V-2x6 connection. The downward-facing input connector orientation allows clean cable routing, since the device functions as a 90-degree adapter at the same time. The integrated TFT-IPS display provides multiple layouts that can be configured directly on the device. The device functions as a standalone hardware solution and can be used and configured without a software connection. Additional customisation and system reporting will be expanded with software support.

## Automatic Data Logging

An integrated memory logs relevant operating data at regular intervals to enable traceability of potential error events. Logged values include per pin current measurements, total power consumption and the PCB temperature near the 12V-2x6 output connector (T-Out). A data record is stored every 60 seconds. The memory supports approximately 340 days of continuous usage or around 3-4 years of typical operation before the older entries are automatically overwritten. The collected data supports both failure analysis and the continued development of safer plug connections within the community.

## Extended Warranty and Clarity for the End User

To ensure a high level of operational safety, the WireView Pro II includes an extended warranty that goes beyond statutory warranty and the standard manufacturer guarantee. Should damage occur to the 12VHPWR or 12V-2x6 connector of the graphics card despite the integrated protective mechanisms, repairs will be performed by Thermal Grizzly or an equivalent replacement will be provided if a repair is not possible. This protection also applies after the original graphics card warranty has expired. It is required for any warranty claim that the device is used properly, in accordance with the user manual and within the operating parameters defined by the GPU manufacturer. The extended warranty period is 2 years from the date of purchase.

This guaranteed protection package provides maximum transparency and safety. The customer invests in state-of-the-art monitoring technology and can rely on Thermal Grizzly to offer fast and straightforward support in case of damage, ensuring maximum performance without unnecessary risk.

The WireView Pro II is available with the 12VHPWR 16-pin power connector (4x sensor + 12x power/ground) in "Normal" (N) and "Reverse" (R) versions:

- If the graphics card has power connectors where the four sensor pins are located between the PCB and the 12 power pins, the "N" version is required (PCB - 4x sensor pin - 12x power pins).
- If the graphics card has power connectors where the 12 power pins are located between the PCB and the four sensor pins, the "R" version is required (PCB - 12x power pins - 4x sensor pin).

A compatibility list with details about models and orientation is available in the download section.

## Trademark Information

Thermal Grizzly is a registered trademark.

## Scope of delivery

- WireView Pro II
- USB-C to USB 2.0 internal connection cable (30 cm)
- Y-splitter cable for power function via motherboard
- Short temperature sensor (5 cm)
- Long temperature sensor (20 cm)

## Please note

The data in this technical data sheet are based on our current knowledge and experience. Due to the large amount of possible factors, this should not be construed as to release the users from doing their own tests and screening. No legally binding assurance of specific properties or applicability for a concrete purpose should be derived from these data. Please consider contacting us for further detail. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

