BUDDY3D CAMERA FOR PRUSA CORE ONE

V1.00 EN

For product installation, visit the official manual at: **prusa.io/core-one-camera**, where you will find assembly instructions and the latest version of this manual (available for download in PDF format).

Disclaimer

Failure to read the following instructions and the official assembly manual referenced above may result in personal injury, reduced output quality, or product damage. Ensure that anyone operating the product is familiar with and understands the contents of this manual. We cannot control the conditions under which you operate the Buddy3D camera for Prusa CORE One. For this and other reasons, we assume no liability and explicitly disclaim any responsibility for losses, injuries, damages, or costs arising from assembly, handling, storage, use, or disposal of the product. The information in this manual is provided without any warranty, express or implied, regarding its accuracy. Unauthorized modifications may damage the product, the 3D printer, or other equipment and are not covered by the warranty. For detailed warranty information, visit: **prusa.io/warranty**.

Product Information

Name: Buddy3D camera for Prusa CORE One | Manufacturer: Niceboy s.r.o., 5. května 1746/22, Nusle, 140 00, Prague 4, Czech Republic | E-mail: info@prusa3d.com | Phone: +420 222 263 718 | Power Supply: 5 VDC, 1 A (USB-C Power Delivery) | Frequency Band: 2400.0–2483.5 MHz | Maximum Radiated RF Power: < 100 mW e.i.r.p. | WLAN Standard: IEEE 802.11 b/g | Operating Temperature: 18–38 °C | Operating Humidity: 85% or less, non-condensing | Dimensions (WxHxD): 90x60x50 mm | Weight (with packaging / without packaging): 150 g / 300 g

The serial number is located on the product's nameplate. The product is intended for indoor use only, where it is protected from external influences.
Operating conditions according to the CEPT/ERC/REC 70-03.

Safety Instructions

Carefully read the safety instructions before using the product. Please note that the safety guidelines for your 3D printer remain applicable while using this product.
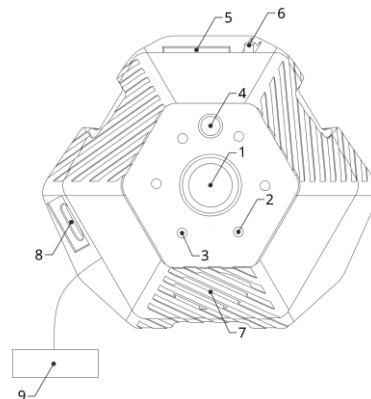
1. The product is intended for indoor use only. Do not expose it to direct sunlight, rain, snow, water, or any other liquids.
2. Always use the product only as described in this manual.
3. Do not handle the product or the printer while the printer is in operation. Moving parts may cause injury.
4. The product contains electronics sensitive to electrostatic discharge (ESD) – do not touch electronic components directly.
5. Do not use the product if you detect any damage to the 3D printer or the product itself.
6. Do not touch the cable or power adapter with wet hands.
7. Do not make any modifications to the product.
8. Do not use the product with unofficial hardware, software, or firmware.
9. Prevent children or unauthorized persons from having uncontrolled access to the product and the 3D printer, even when the printer is not in use.
10. Do not leave the product unattended while it is powered on!

During installation, setup, and maintenance of the product, always disconnect the power supply of the 3D printer and all electronic components to prevent electric shock or damage to the product. Never connect the product to any power sources other than the original one. An incorrect power source may cause serious damage or pose a risk of electric shock!

The product is intended for use only with:
Prusa CORE One

Product Description

1. Camera Lens
2. IR LED
3. Indicator LED (Green)
4. Light Intensity Sensor
5. SD Card Slot
6. RESET Button
7. Speaker
8. USB-C Connector
9. WiFi Antenna

User Guide

1. Install and connect the Buddy3D camera for Prusa CORE One to your printer following the assembly instructions available at the link provided in the introduction of this manual.
2. Log in to your Prusa Connect account at **connect.prusa3d.com**.

3. Select the printer from the list to which you want to assign the product.
4. Click on the "Camera" tab and then click on "Add WiFi Camera".
5. Enter the login credentials for the WiFi network you want to connect the product to and click on "Generate QR Code".

    The **maximum** supported SSID name length is **26 characters**.
6. Put the product into pairing mode by pressing and holding the "RESET" button for 1 second. Pairing mode is indicated by intermittent double blinking of the LED and an audio signal.
7. Aim the camera lens at the generated QR code from a distance of approximately 50 cm.

    Successful code scanning is indicated by slow LED blinking and an audio signal, after which the product switches to normal operating mode.

    If the QR code is not scanned within 30 seconds, the product will enter normal operating mode without pairing.

Audio Signals
- Successful pairing → 1 short beep
- Unsuccessful pairing → 3 long beeps
- Successful camera connection to the network → Welcome melody

LED Indicators
- Not connected to WiFi → Fast blinking
- Connected to WiFi → Slow blinking
- Pairing mode → Intermittent double blinking

Factory Reset
Press and hold the RESET button for at least 4 seconds. The transition to factory reset mode is indicated by fast blinking of the LED.

Firmware Update
After successfully connecting to a WiFi network, the product automatically checks for available firmware updates at regular 4-hour intervals.

If a new firmware version is found, the update is performed automatically.

A manual update can also be performed following the instructions available at the link provided in the introduction of this manual.

The Knowledge Base is available at **help.prusa3d.com**.
For technical support, you can contact us via email at **info@prusa3d.com** or through live chat at **www.prusa3d.com**.

Maintenance
The product is not intended for user repairs. Do not attempt to repair or modify the board yourself. If the product or any of its components show signs of malfunction or damage, stop using it immediately and contact the manufacturer or an authorized service center for further assistance.

Continuing to use a faulty product may lead to further damage or safety risks.

FCC
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation
This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement
The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.

Recycling and Disposal
This symbol located on a product or in the product's original documentation means that the used electrical or electronic products may not be disposed together with the communal waste. In order to dispose of these products correctly, take them to a designated collection site, where they will be accepted for free. By disposing of a product in this way, you are helping to protect precious natural resources and helping to prevent any potential negative impacts on the environment and human health, which could be the result of incorrect waste disposal. You may receive more detailed information from your local authority or nearest collection site. According to national regulations, fines may also be given out to anyone who disposes of this type of waste incorrectly. User information for disposing electrical and electronic devices. (Business and corporate use) In order to correctly dispose of electrical and electronic devices for business and corporate use, refer to the product's manufacturer or importer. They will provide you with information regarding all disposal methods and, according to the date stated on the electrical or electronic device on the market, they will tell you who is responsible for financing the disposal of this electrical or electronic device. Information regarding disposal processes in other countries outside the EU. The symbol displayed above is only valid for countries within the European Union. For the correct disposal of electrical and electronic devices, request the relevant information from your local authorities or the device seller.