MAKERX Designs

Rev. 2026-11-07

Wyze Pan Cam Riser Mount Print & Install Guide

Holds a Wyze Pan Cam over the bed of a Creality K2 Plus, on the D3P riser.

PET-G | No Supports | One Screw

Built by MakerX Designs · Virginia Beach, VA · makerxdesigns.com · © 2026

I run a D3P riser on my Creality K2 Plus, and I wanted a Wyze Pan Cam watching the bed from the top, without blocking any of the riser's vents. So I designed this mount.



Installed on the riser, camera fitted.

- **Slides onto the riser.** No glue, and no screws into the printer or the riser.
- **Clip-in retaining bulbs.** Without them, printer vibration would slowly walk the mount out. With them, it stays put.
- **Leaves every vent open.** It was designed to cover none of the riser's air vents.
- **Cable runs inside.** It goes out a hole in the back and into the riser's inside track.

What you need

Item	Notes
D3P Riser for Creality K2 Plus	Designed by Darren 3d Print. Built to fit his K2 Plus riser, not the plain K2.
Wyze Pan Cam v4	The camera I designed it around. Other pan cams with a 1/4-20 mount may work too.
One 1/4-20 screw, 3/4" long	Any head style works. I used a brass thumb screw, so no tools are needed.

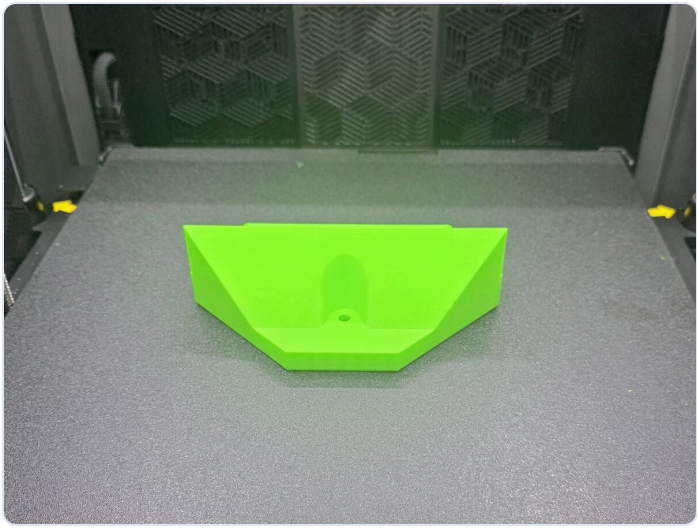
In the download

File	What it is
`wyze-pan-cam-k2-plus-riser-mount.3mf`	**Start here.** One plate, with the tested PET-G profile already set up.
`wyze-pan-cam-k2-plus-riser-mount.stl`	The mount on its own, for your own profile.

1 · Print it

Print time	Filament	Size
1 h 49 m	77.81 g · 25.27 m	165 × 82 × 50 mm

1. Open `wyze-pan-cam-k2-plus-riser-mount.3mf` in any slicer that imports 3MF project files. When it asks whether to load the project's print settings, **say yes**.
2. **Print it flat, as saved.** No supports and no brim, so there is nothing to clean off.
3. **Check the retaining bulbs** when it comes off the plate. They should be round and clean, because they do the work of holding the mount in place.



Straight off the plate: flat, no supports.

> **Print it in PET-G**
> I chose PET-G on purpose. It flexes enough for the retaining bulbs to clip in, and it is strong enough to hold up the camera.

The profile baked into the 3MF

Using your own profile instead? Match these. Sliced on a Creality K2 Plus with a 0.4 mm nozzle.

Quality	
Layer height	**0.20 mm**
First layer	0.20 mm
Walls	**2 loops**
Top / bottom	5 / 3 layers
Infill	10 % gyroid
Z anti-aliasing	On

Material & plate	
Filament	**PET-G**
Nozzle temp	250 °C
Bed temp	70 °C, textured PEI plate
Supports	**None**
Brim	None

2 · Install it

1. **Fit the camera.** Hold the camera in place on the mount and run the 1/4-20 screw through the mount's hole into the camera's 1/4-20 socket. Snug it by hand.
2. **Route the cable.** Run the camera cable inside the mount and out through the hole in the back.
3. **Slide the mount onto the front of the riser** until the retaining bulbs clip in.
4. **Tuck the cable into the riser's inside track** and run it to power.



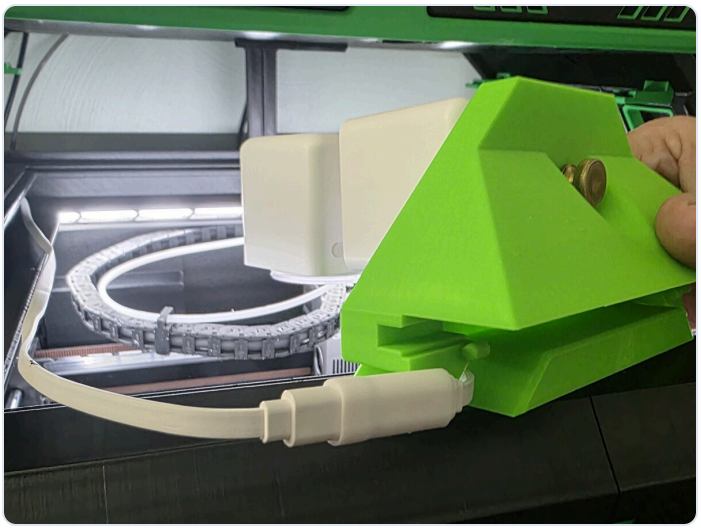
A retaining bulb, inside the slide channel.

Why the bulbs matter

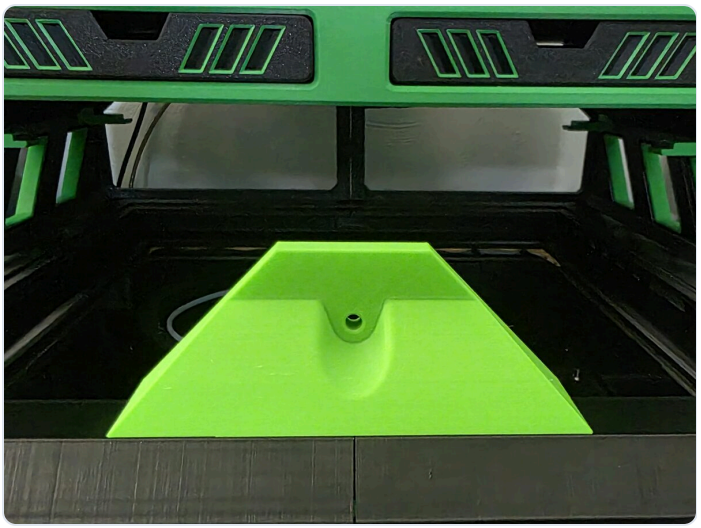
A printer vibrates the whole time it runs. A mount held on by friction alone would slowly walk out of place. The bulbs clip in and stop that.

One tradeoff: the top glass

With the camera in place, the riser's top glass can't go on. I don't need it for PLA or PET-G, so mine is set aside. For materials that need a closed chamber, like ABS or ASA, take the camera off and put the glass back.



Camera fitted with a brass thumb screw; the cable runs out of the mount.



On the riser, with every vent left open.

Where precision meets the printer

Thanks for printing this one. If it gives you a clear view of the bed without blocking a single vent, that is exactly what it was designed to do.

For years my design world existed entirely behind a screen. As a mechanical engineer I spent countless hours building complex CAD models, but there was always a missing link — the ability to hold an idea in my hands. That changed in January 2026, when I went headfirst into 3D printing. The moment that first layer stuck to the bed, the gap between concept and reality vanished.

Coming from a background where precision is everything, tolerances aren't suggestions to me — they are a religion. I didn't want to print trinkets; I wanted to apply industrial engineering discipline to desktop manufacturing. Every wall count, every layer height and every infill percentage in this guide is a deliberate decision backed by testing. If a part can't handle the environment it was built for, it goes back to the drawing board.

Three principles behind every print

01

Functional Engineering

High-utility, real-world solutions rather than purely decorative models. If it doesn't solve a practical problem, it doesn't leave the workstation.

02

Rigorous Tolerances

Designed in professional CAD with mechanical intent — press-fits that click and assemblies that work straight off the build plate. No sanding, no filing, no guesswork.

03

Bridging the Gap

Industrial structural integrity at maker speed. Proving a desktop printer can produce parts worthy of real engineering applications is what drives every release.

The workshop

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IF THIS ONE EARNED ITS SPOT

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Put one on your own riser? Post a make with a photo — I would love to see your setup.

Happy printing. — MakerX Designs · makerxdesigns.com · © 2026