

CAD Notes

Tuesday, March 16, 2021 4:26 PM

Laser Diameter: 18mm

Laser Length (incl wire): 90mm

Laser Length (body only): 76mm

Laser Wire Dia (max): 7mm

Camera Rect: 38mm

Camera Nub: ~3mm

Camera Lens Dia: 30mm

Camera Lens Outer Ring Thickness: 9mm

Hole is 8mm thick because that's a better failure mode

Camera Total Length: 48mm (includes ribbon cable port, not bolts)

Camera Length With Filter: 54mm

Tube ID: ~100mm (4in)

Filter Thickness: 7.5mm

Filter Diameter: 25mm

Camera cable thickness: .15mm nominal, .35mm ends

Camera cable width: 16mm

TODO: Resolve edges of PiPlate in tube/desktop configuration