

# Mighty Maxi – Orion 120mm short tube

This can record occultations of stars to mag. 12.0, even mag. 12.5 under good conditions this uses a visual finder scope and an alt-az tension mount that's light-weight and doesn't need a counter-weight, designed by IOTA member Ted Blank. Commercial mounts that can hold this weight cost hundreds of \$, more than twice the \$300 cost of the 120mm OTA.

In the photo below, 4 maxi systems are checked out before packing for an air trip to Missouri.



Not shown is a “midi” system using an Orion 80mm short tube that sells for about \$120. It can record events to mag. 11.0 and a little fainter. An OMX photographic Tripod for about \$50 can be used well enough for it. 6 midi's are shown in the picture with Scotty Degenhardt