

**RUG-ID Tripod**  
User Manual



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## 1.0 - SYSTEM OVERVIEW

The **RUG-ID** Tripod is a rugged, portable, uniquely designed Aluminum mast system that can be assembled without any tools and offers 4-points of contact with the terrain for maximum stability. It has been designed to carry a small PTZ camera, digital camera, LED spot lights, or antennas at the top with or without the need for guy ropes.

### 1.1 Part Descriptions, ID Photos, and Quantities

The 9 Ft. tripod is comprised of the following components:

- (6) 35" 1.5"OD, 1.25"ID Thick Walled Mast Tubes (6061/T6 Alum, Black Anodized)
- (3) 17" 1.5"OD, 1.25"ID Thick Walled Mast Tubes (6061/T6 Alum, Black Anodized)
- (3) Extension Legs (6061/T6 Alum)
- (1) Center Weldment (6061/T6 Alum, Black Anodized)
- (8) Interconnecting Pins (6061/T6 Alum)
- (1) Base Ring (6061/T6 Alum, Black Anodized)
- (1) Top Mounting Plate (6061/T6 Alum, Black Anodized—Custom design optional)
- (1) Cad Plated 12" Steel Screw-In-Earth Stake



Center w/ Pins  
(upside down)



Center Support



Top & Base Ring



Adj Foot Into 17" Mast

**NOTE:**  
*Tripod Can  
collapse down to  
35" in length*



Adj Foot Assembly  
w/ Jam Nut

## **1.2 Tripod Erection (see next pages for photos)**

Erecting the tripod is relatively simple but please follow these steps for the easiest assembly.

### **CAUTION: Read 1.3 Cautions on Pg 7**

**NOTE:** When using the specially designed precision threaded pins, please align the pin to the tube thread and lightly screw the pin into place until the pin's shoulder is fully seated inside the tube counterbore area. DO NOT force the threads, if jammed, simply backoff and realign the mating parts and try again.

**Step 1** — assemble three 35" legs to the Center Support using (3) pins. Now, screw (3) 17" legs into the pins already installed in each of the longer legs. The Adjustable Feet and Jam Nut are already attached to the far end of the 17" legs sections. Now stand the tripod up on its legs.

**Step 2**— insert the small bubble level (Opt) into the Center Support top hole and adjust the Adjustable Feet to obtain the best level possible.

**Step 3**— attach (2) 35" mast sections together. Slip these down through the center hole of the Center Section. If you plan to use guy ropes, these should now be attached to the top 6" round plate in the (3) large holes.

**Step 4** — if using a JPTH-13MPoE, now secure a 6" dia plate to the black base ring of the Pan/Tilt Head Camera Enclosure assembly using (4) SS Thumb Screws. Next screw the Pan/Tilt Head and Camera Enclosure into the top of the upper mast section.

**Step 5** — lift the (2) mast sections with Pan/Tilt Head and Camera Enclosure up high enough in the Center Support to insert the final 35" leg with it's 6" round plate as the bottom mast section. This may require two people to accomplish, but can be done by one person. If you are using an extra mast section to go to 12 ft, this same technique can be used (insert the last mast section from the bottom).

**Step 6** — rotate the center mast until the camera is pointed to the approximate center of the viewing area. Then stake the bottom 6" round plate into the ground using a supplied stake (just one is needed). If you have used the guy ropes, they must also be staked into the ground. Be sure to drive the stakes for the guy ropes into the ground at a 45 deg angle so they do not pull out due to the guy rope tension.

### **Attach Electronics Enclosure to Tripod Mast**

If you have an electronics enclosure, secure it to the mast using the two mast clamps with a single bolt, then mount the enclosure with SS brackets just above the tripod Center Support. The enclosure should face the same direction as Camera Enclosure for proper cable management.

### **Attach Cables**

Now attach all related cable from the pan / tilt head and camera to your electronics enclosure.

Option leg clamps can be purchased to further secure the Tripod to the ground using added stakes , rocks or other weights.

## Tripod Components / Assembly



Bubble Level (Opt)  
in Center Support Hole



Top / Bottom 6" Dia Ring

Precision Threaded  
Pin Screwed Into 35"  
Long 1.25" OD Tube

Precision Threaded  
Pin



Center Support w/ Pins Inserted



Adjustable Foot w/ Jam Nut  
screws Into 17" Long 1.5"  
OD Tube

## Tripod Components / Assembly



Lower Mounting Bracket for Electronics Enclosure  
Right on Top of The Center Support



Adj Foot w/ Jam Nut Screws—Shows Bottom Plate  
Which Needs 1-Stake to Hold It In Place

### 1.3 **CAUTIONS - READ CAREFULLY**

The RUG-ID Tripod as supplied is designed to be used as shown on the cover of this document. All three legs must be on the ground and the center mast section must also be resting on the ground via the bottom base plate. This results in an approximate 9 ft height, 4-legged, very stable support.

**Do Use Extreme Caution** to prevent any part of the TEMS assembly from coming in contact with live AC power lines. ALWAYS LOOK UP !!! Coming in contact with a power line can result in your death.

**Do Not** place more than 15lbs of weight on top of the mast. Make sure the mechanical load on top of the mast is centered and as balanced as possible.

**Do** stake the Base Ring where the mast resets on the ground using the supplied 12" long screw style stake. Adding additional weights to the top of the Base Ring is also a good idea; rocks, stones etc.

**Do** use guy ropes if you are located in a windy area. If using a 12 ft version of the TEMS, always use guy ropes and stakes (Opt).

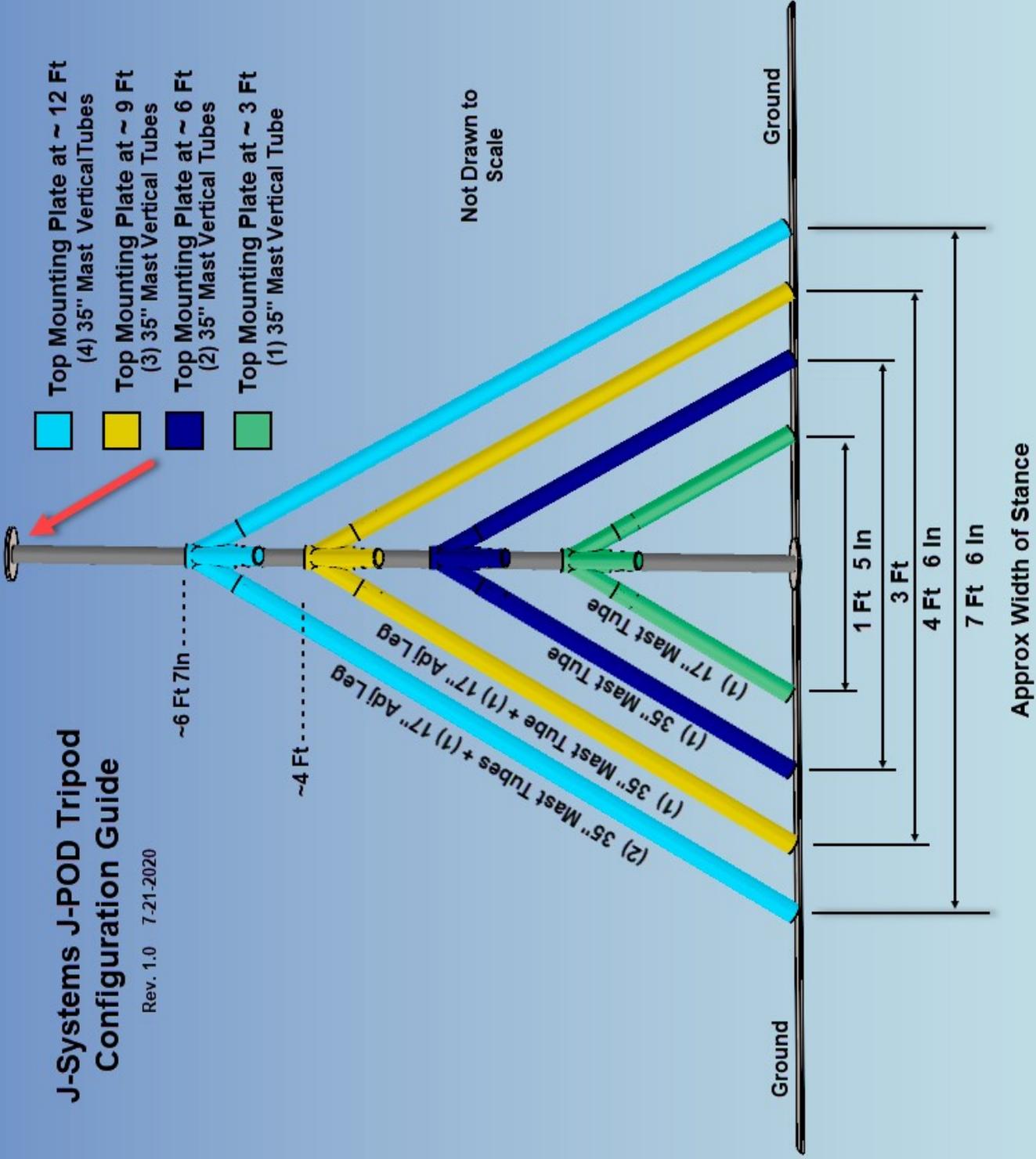
**Do not** place the tripod in a location where, if it were to blow over, it would hit a human or personal property.

# J-Systems J-POD Tripod Configuration Guide

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- Top Mounting Plate at ~ 12 Ft  
(4) 35" Mast Vertical Tubes
- Top Mounting Plate at ~ 9 Ft  
(3) 35" Mast Vertical Tubes
- Top Mounting Plate at ~ 6 Ft  
(2) 35" Mast Vertical Tubes
- Top Mounting Plate at ~ 3 Ft  
(1) 35" Mast Vertical Tube

Not Drawn to Scale



2.0 REVISION HISTORY:

9-17-2019 Original Release Date