

Directional Yagi Antennas WiFi, Public Safety, Military & DSRC



Directional Yagi with
Standard wall mounting



Optional Swivel Pipe Mounting

- Slim attractive profile, 7.5" total length including mounting bracket
- High gain for efficient point to point
- Easy installation; wall or pole-mount
- Mounting bracket allows 45° vertical and horizontal adjustment

This high quality and reliable Yagi Antenna can be used for any of the wireless applications that fall in the 4.4-6.0 GHz frequency range. These include WiFi 5 GHz, DSRC 5.9 GHz, Public Safety 4.9 GHz or Military 4.4 GHz.

The YAG12 Series offers 10 dBi gain from 4.4-5.4 GHz and 12 dBi gain from 5.47-6.0 GHz. This makes the antenna very effective for applications such as mesh systems, point-to-point or point-to-multi-point.

ISP and Service Providers will find these antennas particularly efficient for short range backhaul applications or for providing coverage in hard to cover areas such as in an in-building corridor.

The antenna's compact profile and subdued grey color helps this Yagi fit in anywhere. The antenna measures only 6.35" long x 2.75" high x .56" wide (16 cm x 7 cm x 1.3 cm). The slim profile makes this antenna aesthetically pleasing for indoor use.

The radome is made from ASA, which resists discoloration by UV rays even if the product is exposed to many years of sunlight.

The mounting options for this antenna make it very versatile; from wall mounting to optional pipe mounting, installation of this antenna is a breeze.

The unique adjustable mount has a 45° adjustable range both in the vertical range and the horizontal range.

Cable assemblies are available including RF-195, RG-58, LMR-240 and LMR-400. Choices of connectors include SMA, TNC, and N connectors.

| Model # | Gain | Connector |
|--|---------------------|-----------|
| YAG12-5500-3C-GRY-12 | 10 & 12 dBi | SMA Plug |
| YAG12-5500-3X-GRY-12 | 10 & 12 dBi | N Plug |
| YAG-PMK | Optional pipe mount | |
| For cable jumpers & other connectors, please contact your sales representative | | |

Specifications

| | | | |
|-----------------------|---|-------------------|--|
| Frequency & Gain: | 4.4-5.4 GHz, 10 dBi 5.47-6.0 GHz, 12 dBi | Adjustment: | Both vertical and horizontal adjustment up to 45° |
| VSWR: | 2:1 max over range | Radome Size: | 2.75" H x 6.35" L x 0.56" W (7 cm x 16 cm x 1.4 cm) |
| Impedance: | 50 Ohm nominal | Size with mount: | 2.75" x 7.5" x .56" (7 cm x 19 cm x 1.4 cm) |
| Maximum Power: | 25 Watts | Cable: | 1 ft (30.5 cm) RF-195 |
| Beamwidth: | 30° elevation, 55° azimuth | Termination: | SMA Plug or N Plug, others available |
| Front-to-Back ratio: | Better than 15 dB | Shock & Vibration | EN 300 019-2-4, IEC 60068 |
| Operating Temp: | -40°C to +85°C | Water Ingress: | IPx5 |
| Lightning Protection: | External recommended | | |
| Antenna Radome: | Grey ASA | | |
| Weight: | .5 lbs (0.23 kg) | | |
| Mounting: | | | |
| Standard | 45° adjustable Swivel Wall Mnt. | | |
| Optional | 45° adjustable Swivel Pipe Mnt. | | |