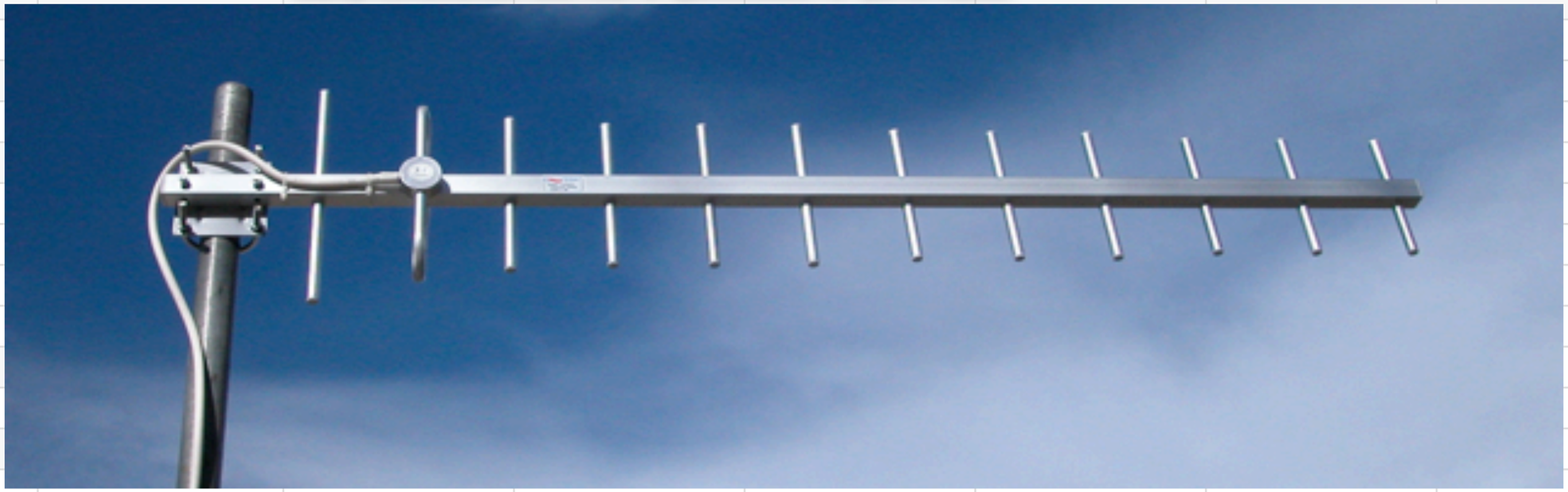
# YAGI ANTENNA 896 - 960 MHz

DMS Wireless
a division of DMS International

**Sturdy Construction with true to specification RF performance**



| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **FEATURES** | | | | | | | |
| **Industrial Strength Aluminum Construction** | **Solid Metal Mounting Bracket** | **Steel U Bolts and SS Hardware** | **Lifetime Warranty Female N Connector** | **PVC Heat Shrink on Connector** | **High Quality LMR400 Cable** | **Waterproof Gamma Match** | **Vertical or Horizontal Polarization** |
| | | | | | | **Photo 900 MHz yagi** | www.dmswireless.com |
| **SPECIFICATIONS** | | | | | | | |
| **Part Number** | **YA9007** | **YA9009** | **YA90011** | **YA90012** | **YA90014** | **YA90016** | **YA90018** |
| **Frequency Range** | 896 - 960 MHz | 896 - 960 MHz | 896 - 960 MHz | 896 - 960 MHz | 896 - 960 MHz | 896 - 960 MHz | 896 - 960 MHz |
| **Gain** | 6 dBi | 9 dBi | 11 dBi | 12 dBi | 14 dBi | 16 dBi | 18 dBi |
| **Front to Back Ratio** | 15 dB minimum | 14 dB minimum | 14 dB minimum | 16 dB minimum | 16 dB minimum | 23 dB minimum | 25 dB minimum |
| **Beamwidth** | 48H 44E | 44H 39E | 42H 38E | 40H 36E | 32H 30E | 26H 28E | 23H 25E |
| **VSWR** | 1.5:1 Typical | 1.5:1 Typical | 1.5:1 Typical | 1.5:1 Typical | 1.5:1 Typical | 1.5:1 Typical | 1.5:1 Typical |
| **Input Impedance** | 50 Ohms | 50 Ohms | 50 Ohms | 50 Ohms | 50 Ohms | 50 Ohms | 50 Ohms |
| **Maximum Power** | 100 Watts | 100 Watts | 100 Watts | 100 Watts | 100 Watts | 100 Watts | 100 Watts |
| **Connector Interface** | N Type Female | N Type Female | N Type Female | N Type Female | N Type Female | N Type Female | N Type Female |
| **Windload** | 210 kmp/130 mph | 210 kmp/130 mph | 210 kmp/130 mph | 210 kmp/130 mph | 210 kmp/130 mph | 210 kmp/130 mph | 210 kmp/130 mph |
| **Polarization** | Vertical or Horizontal | Vertical or Horizontal | Vertical or Horizontal | Vertical or Horizontal | Vertical or Horizontal | Vertical or Horizontal | Vertical or Horizontal |
| **Lightning Protection** | Direct Ground | Direct Ground | Direct Ground | Direct Ground | Direct Ground | Direct Ground | Direct Ground |
| **Structure** | 5 Elements | 7 Elements | 8 Elements | 9 Elements | 14 Elements | 18 Elements | 20 Elements |
| **Length** | 20"/510 mm | 29”/720 mm | 31”/790 mm | 36"/890 mm | 45.6"/1140 mm | 59”/1480 mm | 64”/1635 mm |
| **Weight** | 0.99#/0.45 kg | 1.13#/0.5 kg | 1.19#/0.5 kg | 1.2#/0.6 kg | 1.29#/0.6 kg | 2.75#/1.3 kg | 2.9#/1.3 kg |
| **Mast Sizes Compatible** | 1.0”-2.0” 28-52 mm | 1.0”-2.0” 28-52 mm | 1.0”-2.0” 28-52 mm | 1.0”-2.0” 28-52 mm | 1.0”-2.0” 28-52 mm | 1.0”-2.0” 28-52 mm | 1.0”-2.0” 28-52 mm |
| **Double U Bolt Mounting** | S/S Hardware | S/S Hardware | S/S Hardware | S/S Hardware | S/S Hardware | S/S Hardware | S/S Hardware |
| **Standard Cable Length** | 2’/610 mm | 2’/610 mm | 2’/610 mm | 2’/610 mm | 2’/610 mm | 2’/610 mm | 2’/610 mm |