

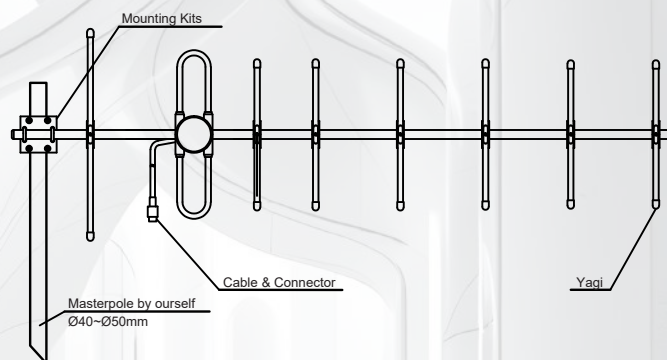
LT-Y-VHF-134-174-11.2

WIDEBAND VHF YAGI ANTENNA

The LT-Y-VHF-134-174-11.2 is a wideband VHF Yagi antenna covering the entire 134–174 MHz band. With 11.2 dBi gain, strong directionality, and rugged aluminum construction, it is engineered for professional and mission-critical communication networks. Unlike UHF Yagis, which must be pre-tuned per channel band, this model operates seamlessly across the full VHF band without tuning adjustments.

Key Features

Wideband coverage: 134–174 MHz
High gain: 11.2 dBi
Strong F/B ratio ≥ 16 dB
Narrow beamwidth: 40° (V-plane) $\times$ 44° (H-plane)
100 W input power handling
VSWR ≤ 1.5 across the full band
Configurable vertical or horizontal polarization
Rugged aluminum alloy construction
Weatherproof coating
Lightweight, compact boom length ~ 1.5 m
Supplied with mast mounting hardware ($\varnothing 40$ – 50 mm)



Feature	LT-Y-VHF-134-174-11.2
Frequency Range	134–174 MHz
Gain	11.2 dBi
Bandwidth	40 MHz
VSWR	≤ 1.5
Impedance	50 Ω
Polarization	Vertical or Horizontal
Beamwidth (H $\times$ V)	$44^\circ \times 40^\circ$
Max. Power	100 W
Connector	N Female (customizable)
Dimensions (Length)	~ 1.5 m
Weight	~ 1.0 kg
Elements	8
F/B Ratio	≥ 16 dB
Mounting Pole $\varnothing$	40–50 mm
Lightning Protection	By grounding kit / mast grounding

Installation Notes:

- 1- Inspect package on receipt; report any damage or missing parts.
- 2- Mount antenna on pole of specified diameter (pole not included).
- 3- Align antenna for correct polarization with feed-line facing down.
- 4- Weatherproof all cable connections to maintain performance.

Applications

Wide-area VHF coverage
Base station and repeater links
Public safety and emergency services
Industrial and transport communications
Rural and utility communication systems

Ordering Information

The Lamatel LT-Y Series Yagi antennas are available for both VHF (wideband) and UHF (pre-tuned) applications.

Available Models

UHF Pre-Tuned

LT-Y-340-360-11.2 (340–360 MHz)
LT-Y-380-400-11.2 (380–400 MHz)
LT-Y-400-420-11.2 (400–420 MHz)
LT-Y-410-430-11.2 (410–430 MHz)
LT-Y-430-450-11.2 (430–450 MHz)
LT-Y-450-470-11.2 (450–470 MHz)

Note: UHF models are factory pre-tuned for narrow sub-bands and cannot be adjusted across a wide frequency range.

