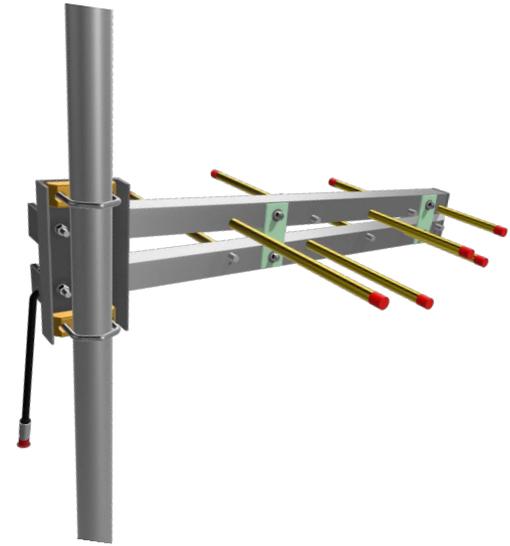


The Scala CL-HB is a ruggedly built, horizontally polarized log-periodic antenna, designed for professional VHF-TV transmit and receive applications.

Like all Scala antennas, the CL-HB is made of the finest materials using state of the art electrical and mechanical designs resulting in superior performance and long service life.

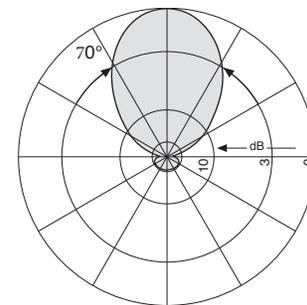
The CL-HB may be used stand alone or in stacked arrays for higher gain, increased side-lobe suppression, or custom azimuth patterns.



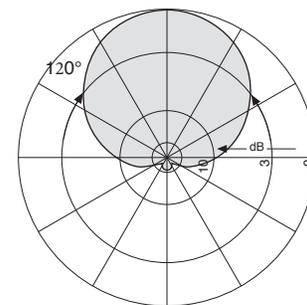
Specifications	
Frequency range	174—216 MHz (broadband)
Gain	6.5 dBd
Power gain	4.47
Impedance	50 Ω
VSWR	<1.35:1
Polarization	Horizontal
Front-to-back ratio	>20dB
Maximum input power	250 Watts, 50Ω 500 Watts, 50Ω 7-16 DIN female connector
H-plane beamwidth	70 degrees (half-power)
E-plane beamwidth	120 degrees (half-power)
Connector	N female (50Ω) 7-16 DIN female (50Ω)
Wind load at 100 mph (161 kph)	
Lateral	51.5 lbf (229 N)
Wind survival rating*	120 mph (193 kph)
Mounting	For masts of 2.375 inch (60 mm) OD.
CL-HB/HRM	Rear-mount

\*Mechanical design is based on environmental conditions as stipulated in TIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. Contact KBU for further details.

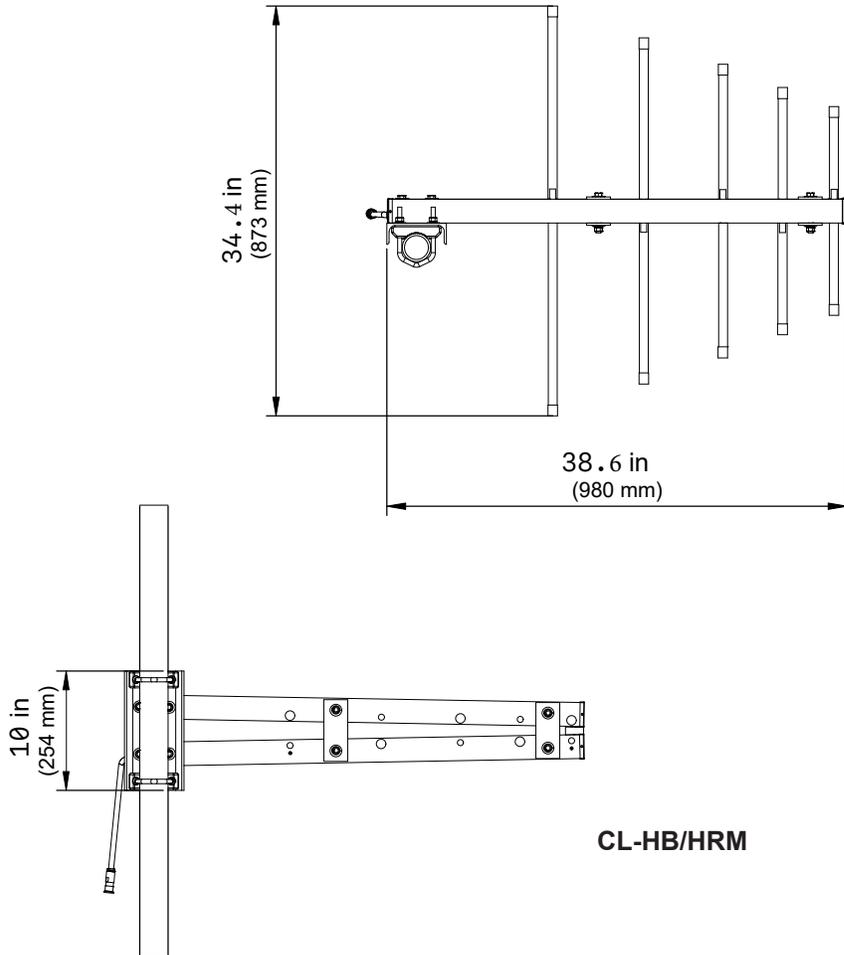
CL-HB/HRM	
Weight	18 lb (8.18 kg)
Dimensions	38.6 x 34.4 x 10 inches (981 x 874 x 254 mm)
Shipping dimensions	42 x 14 x 6 inches (1067 x 356 x 153 mm)
Shipping weight	25 lb (11.4 kg)



Azimuth pattern (E-plane)



Elevation pattern (H-plane)



**Order information**

Model	Description
CL-HB/HRM/50N	Rear-mount antenna with 50Ω N connector
CL-HB/HRM/50D	Rear-mount antenna with 50Ω 7-16 connector

subject to alteration