KATHREIN
SCALA DIVISION

HDCA-10CP/RM

VHF-TV YAGI ANTENNA

7 dBd gain
174 to 216 MHz (Channels 7–13)
Circularly polarized

The Scala HDCA-10CP/RM is a ruggedly built yagi antenna, designed for professional VHF-TV transmit and receive applications.

Like all Scala antennas, the HDCA-10CP/RM is made of the finest materials resulting in superior performance and long service life.

The HDCA-10CP/RM may be used stand-alone or in stacked arrays for higher gain, increased side-lobe suppression, or custom azimuth patterns.

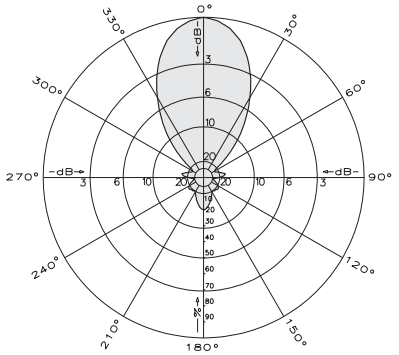
Specifications:

Frequency range	Any specified VHF-TV channel 174 to 216 MHz (channels7–13)
Gain	7 dBd
Impedance	50 or 75 ohms
VSWR	< 1.5:1
Polarization	Circular
Front-to-back ratio	>13.9 dB
Maximum input power	250 watts 50Ω 100 watts 75Ω
Azimuth pattern	48 degrees (half-power)
Elevation pattern	48 degrees (half-power)
Connector	50Ω N or 75Ω N female
Weight	19 lb (8.6 kg)
Dimensions	73.3 x 44.6 x 27.4 inches max. (1862 x 1133 x 696 mm)
Equivalent flat plate area	1.19 ft² (0.11 m²) (maximum)
Wind survival rating*	120 mph (194 kph)
Shipping dimensions	80 x 6 x 5 inches maximum (2032 x 152 x 127 mm)
Shipping weight	41 lb (18.6 kg) maximum
Mounting	For masts of 2.375 inches (60 mm) OD.

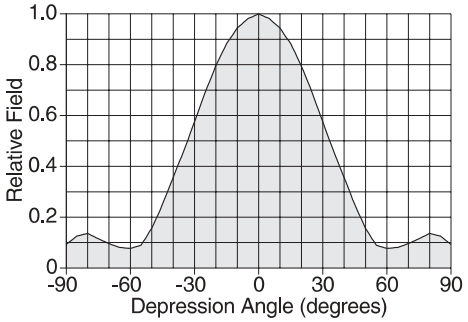
* Mechanical design is based on environmental conditions as stipulated in EIA-222-F (June 1996) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.

Order Information:

Contact Scala Customer Service for detailed order information.



Azimuth pattern (E-plane - typical)



Elevation pattern (H-plane)

TÜV ISO 9001

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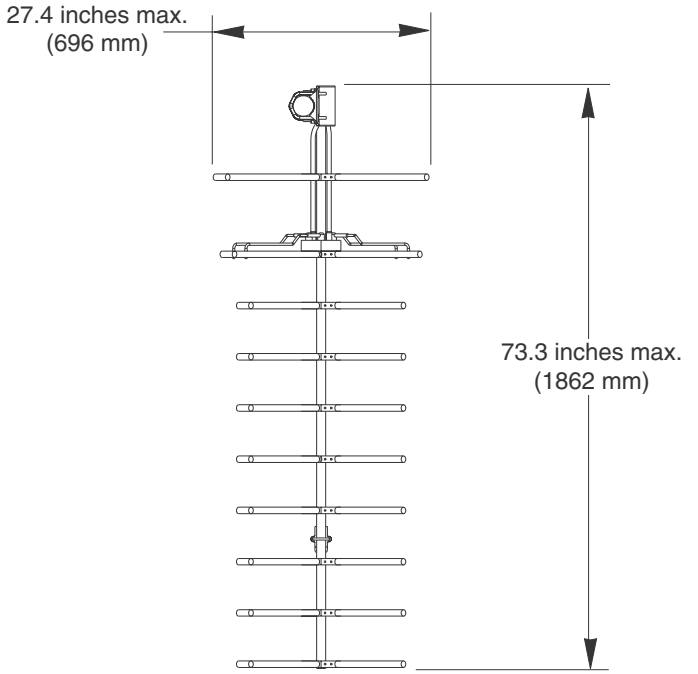

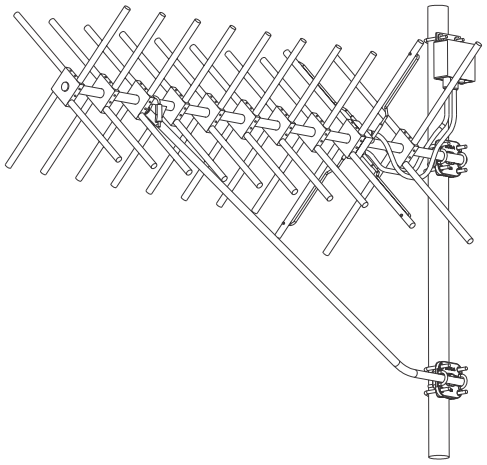

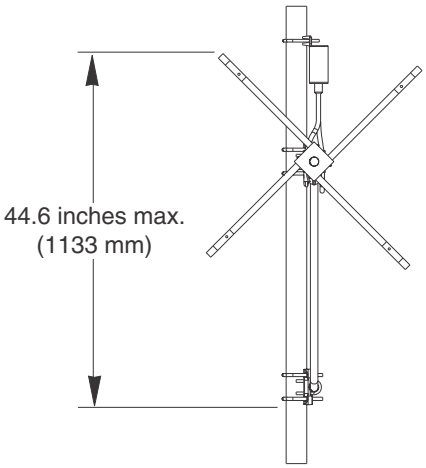

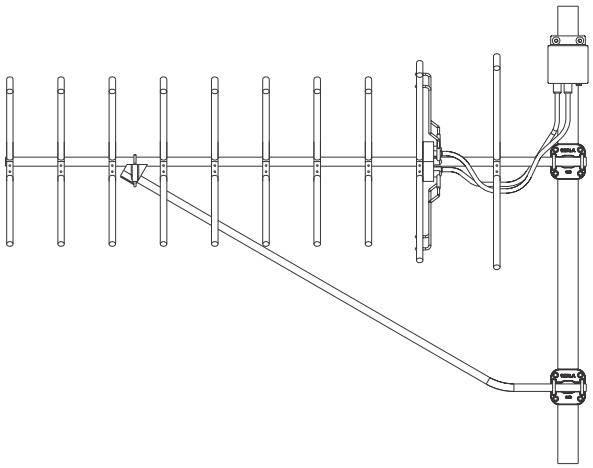

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