

## HDCA-10CP/RM

VHF-TV Yagi Antenna 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:

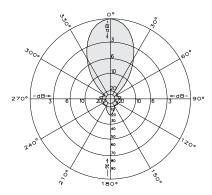
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Frequency range	Any specified VHF-TV channel 174 to 216 MHz (channels7–13)
Gain	7 dBd
Power gain	5.01
Impedance	50 or 75 ohms
VSWR	< 1.5:1
Polarization	Circular
Front-to-back ratio	>13.9 dB
Maximum input power	250 watts $50\Omega$ 100 watts $75\Omega$
Azimuth pattern	48 degrees (half-power)
Elevation pattern	48 degrees (half-power)
Connector	$50\Omega\text{N}$ or $75\Omega\text{N}$ female
Weight	33 lb (15 kg)
Dimensions	73.3 x 44.6 x 27.4 inches max. (1862 x 1133 x 696 mm)
Wind load Front	at 100 mph (160 kph) 123 lbf (260 N) 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.

<sup>\*</sup> 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. See the Engineering Section of the catalog for further details.

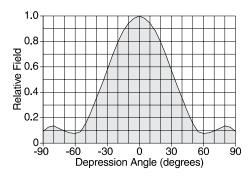
## **Order Information:**

Contact Scala Customer Service for detailed order information.





**Azimuth pattern (typical)** 



**Elevation pattern (typical)** 

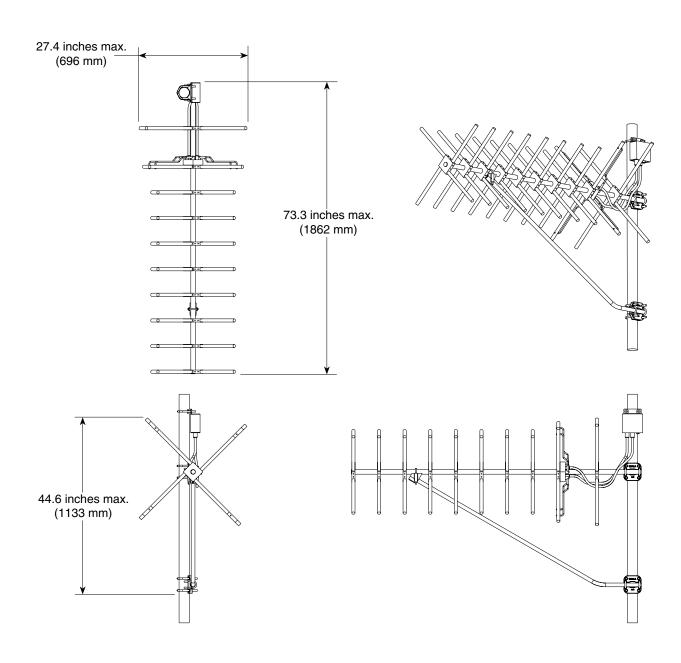






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