

Section 2

BROADCAST ANTENNAS

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MATV Yagi, 75 Ohm VHF TV Channels 6 to 12

Frequency
174 – 230 MHz

Bandwidth
FULL BAND



This 75 Ohm Yagi is specifically designed for MATV Mast Amplified TV receive systems at professional broadcast installations. The 9 element double-dipole design delivers genuine broadband coverage across VHF TV channels 6 to 12 inclusive with 10.5 dBd gain.

Constructed entirely from stainless steel for long term service, the Yagi has a 75 Ohm RG11 cable tail fitted with a BNC Male connector rated for up to 250 watts input power.

A 2-way compression strut kit is supplied to support the antenna boom weight from underneath.

A mounting clamp, feeder cable, connectors and cable fittings are all available separately.

SPECIFICATIONS	Y209-1722SS-75
Construction	All stainless steel boom, double-dipoles and elements
Frequency	174 to 230 MHz Full Band
Channel Coverage	VHF TV Band III Channels 6 to 12 inclusive
Return Loss, VSWR	Better than -15 dB, < 1.5:1 across the full band
Tuning	Factory
Number of Elements	9
Nominal Gain at Centre Frequency	10.5 dBd
Polarisation	Mount either Horizontal or Vertical as required
Maximum Input Power	250 Watts
Impedance	75 Ohms
E Plane	42°
H Plane	48°
DC Grounding	Yes
Front-to-Back Ratio	20 dB
75 Ohm Cable Tail	1.4 metres of RG11
75 Ohm Connector	BNC Male fitted
Boom Length	3.1 metres
Longest Element	85 cm
Weight	14.3 kg
Projected Area	0.205 m ²
Wind Load at 160 kph	24.794 kg, 0.243 kN
Strut Kit Supplied	YS2-C28 2-way strut kit is supplied
Mounting Clamp (Not supplied)	1 x Y2300SS is recommended
Warranty	2 YEARS



The **Y2300SS** right-angle heavy duty clamp has all stainless steel components and mounts a round boom Yagi to a mast between 30 mm and 50 mm in diameter.