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Specialists in Animal Radio Monitoring

Yagi antennas

Biotrack supplies two models of Yagi antenna. Both antennas give excellent performance, and are light-weight and robust. They have a number of novel features that set them apart from other designs. One Yagi has conventional rigid elements, and the other has flexible elements that fold on impact and automatically spring back into position afterwards. The antenna with rigid elements can be dismantled easily for transportation and storage. In common with most good Yagi designs, these antennas are 'matched' to the standard 50 ohms input impedance of radio-tracking receivers. However, the matching is achieved by 'inductive coupling' via internal windings that are sealed within the central element. This avoids the need for a more cumbersome external device such as a gamma-match. Both antennas have user-replaceable leads.

Specifications

diagram (both antennas)

	Flexible Yagi	Rigid Yagi
Weight (173 MHz version):	800 g	800 g
Frequencies:	138 - 230 MHz	138-230 MHz
Bandwidth:	± 2 MHz	± 2 MHz
Gain:	6 dB	6 dB over dipole
Beamwidth (3dB):	80°	80°
Back-to-front ratio:	18 dB	18 dB
Impedance (nominal):	50 ohms	50 ohms
Receiver connector:	BNC	BNC
Replaceable Cable length:	1.5 m	1.5 m

