

Wideband Steerable Beam Antenna

SBA1060B

The SBA1060B is a wideband steerable beam antenna covering the 1000 to 6000 MHz frequency range. The antenna beam can be steered to achieve optimal gain to the desired direction and to avoid interference from unwanted directions. The antenna provides up to 20 beams with a minimum of 25 degree beamwidth to cover the full 360 degree horizontal area. Fast RF beam steering capability, wide instantaneous bandwidth, and high directivity enable efficient and modular antenna integration for C-UAS systems.

- Great directivity with low side lobe levels to undesired direction.
- Fast beam steering by using RS-485 or Ethernet based communication
- Mast through antenna mounting with easy-to-use mast mount adapters



Product details*	
Frequency range	1000 - 6000 MHz
Polarization	Nominally vertical
Antenna type	Steerable beam antenna
Radiation pattern	Directional and Pseudo-Omni
Gain	6 to 13 dBi (typical)
3 dB beamwidth, Elevation	10-40° (typical)
3 dB beamwidth, Azimuth	30-60°(typical)
Sidelobe level	-10 dB (azimuth, typical)
VSWR	≤ 2.5
Nominal Impedance	50 Ω
Power rating	10 W (CW)
Power supply	19 – 32 VDC (<200 mA), MIL-STD-1275E
Beam steering speed	< 3 μs (see information on Page 3)
Standard color	Black
Radiator	Selectable patch array element, 40 elements
Height	675 mm including the mast mounts
Diameter	590 mm (see information on Page 4)
Weight	20 kg including the mast mounts

Installation*	
RF connection	Female N-type connector
Power and control	See information on Page 3
Mounting	Mast mount adapters for 40-60 mm masts included

* More information on request

Order number	
SBA1060B	Antenna as described above