



PANORAMA
ANTENNAS



Covert &
Discreet Antennas

Over 75 Years of Experience

Panorama Antennas is a privately owned family business, now in its third generation, and leading designer and manufacturer of antennas for wireless communication. Established in London in 1947, Panorama started life as a manufacturer of consumer products and buoyed by huge demand in 1952, began manufacturing TV components and antennas. With the transistor radio trend of the 1960s, Panorama’s expert knowledge swiftly led the company into the manufacturing of communication antennas.

Throughout the 1970s and 80s, Panorama evolved to become the first specialised communication antenna manufacturer in the UK, developing a range of cellular antennas to coincide with the launch of the mobile phone network in Britain. 1990 was a year of huge change as Panorama found itself revolutionising cellular glass mount antenna technology, filing a patent application for the first ever solid state coupling circuit. Through creating a new benchmark for quality in the production of components and leading technology development, Panorama has grown side by side with the cellular telecommunications industry.

Today Panorama produces antennas for the world’s leading communication companies and has grown to include over 150 staff in five international sales offices, as well as operating four fully owned subsidiaries. Manufacturing, design and development remain located in London less than a mile from the original factory. Our network of international sales representatives means that all customers get the attention and advice they require, providing local support on a global scale.

Antennas for the Next Generation

Panorama’s constant cutting-edge research ensures that our antennas meet the demands of the very latest technology. With over 75 years experience in delivering world-class antenna products, Panorama’s current product range reflects our unparalleled expertise in providing high-quality performance antennas.

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Bumper



Vehicle Covert Dipole Antenna

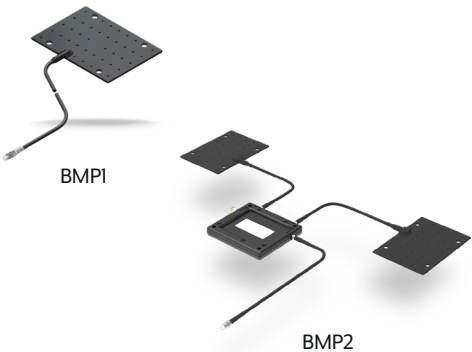
VHF UHF

- Dipole construction
- Covert bumper mounting
- Flexible wire elements for easy positioning

The covert vehicle dipole antenna is specifically designed for installations where the presence of an antenna must be undetectable. This specialist antenna is available in versions for VHF and UHF bands and requires tuning during installation to achieve optimal VSWR match.

A power divider (Part no. HPDPD[X]-550) is available separately which can be used to combine two units for a more omni-directional pattern around the vehicle.

Part no.	Frequency (MHz)
VCD-VL-5F	68-88
VCD-VH-5F	130-175
VCD-SI-5F	380-400
VCD-S2-5F	410-430
VCD-S4-5F	450-470



Bumper Mount Antenna

UHF

- Fully covert application
- Mounted behind plastic bumper
- Flexible construction
- Does not require any tuning

The bumper mount antenna is designed for covert operations and other applications which require a vehicle antenna that is effectively invisible. Mounted in the vehicle's bumper, installation requires no drilling and is invisible from the outside of the car. A dual element version (BMP2) is available.

Part no.	Frequency (MHz)	Dual Version (MHz)
BMP1-SI-5F	380-400	
BMP1-S2-5F	410-430	
BMP1-S3-5F	380-420	
BMP1-S4-5F	450-470	
BMP1-7-27-5F	700-2700	
BMP1-7-27-5SP	700-2700	
BMP2-DPD-SI-5F		380-400
BMP2-DPD-S3-5F		380-420
BMP2-DPD-U-5F		430-472

Windshield & Panel/Divider



Internal On-Glass UHF Antenna

UHF **IP65
RATED**

- Semi covert window mount antenna
- Install with no vehicle damage
- Flexible moulding to allow fitting to curved glass

The EF 'Easyfit' antenna provides an effective low visibility solution ideal for permanent or temporary installation. Available for UHF and 7/800MHz and bands.

Part no.	Frequency (MHz)
EF-S1	380-400
EF-S2	410-430
EF-S3	380-420
EF-S4	450-470
EF-TET	380-430
EF-S4ADE	1800
EFBAD	760-960

*Comes supplied with 3m (10ft) or 5m (17ft) of coax and a range of connectors to suit



EF-BC3G-26



EF-6-60

Internal SiSo Cellular Antenna



- 5G/4G/3G/2G
- 698-960/1710-2700MHz (EF-BC3G-26 version)
- 617-960/1427-6000MHz (EF-6-60 version)
- Simple adhesive pad fitment
- Can be fitted on glass or plastic panel

The EF antenna range provides a low cost adhesive fitment option for cellular applications. Typically fitted on a window or plastic panel versions are available covering 4G only (EF-BC3G-26) or 4G/5G (EF-6-60) frequencies. All versions are fitted with flexible RG174 cable for easy installation.

Part no.	Cable and connector
EF-BC3G-26-3SP	3m (10') SMA Male
EF-BC3G-26-3FAKRAD	3m (10') FAKRA D Jack
EF-6-60-3FAKD]	3m (10') FAKRA D Jack
EF-6-60-3SP	3m (10') SMA Male



WiFi 2.4/5.0GHz Easyfit Antenna



- Adhesive mount antenna
- Install on windows or plastic panels
- Dual band WiFi 2.4/5.0GHz
- Multiple connector options

EF-24-58 is an efficient and easy to install antenna for providing WiFi connectivity. The compact antenna can be easily positioned on a device plastic housing or vehicle windscreen using the supplied automotive industry grade adhesive pad.

Part no.	Cable and connector
EF-24-58-3RPSP	3m (10') Rev Pol SMA
EF-24-58-3SP	3m (10') SMA Male
EF-24-58-3FJJ	3m (10') FAKRA I



Stingray SiSo Internal Antenna



- Cellular, WiFi and GPS/GNSS included
- Dashboard or windshield mount
- No-drill adhesive installation
- UN ECE R118 compliant cables

This internal antenna offers a “3 in 1” solution ideal for telematics or other vehicle communications, where the antenna needs to be fitted discreetly or for a “no hole” installation. The compact housing incorporates antennas for LTE/cellular, dual band WiFi and GPS/GNSS. Meeting the requirements of UN ECE R118, the antenna is suitable for use in M3 category vehicles. The antenna housing is UV resistant and flame retardant, while the integrated coax cables are flame retardant, low smoke specification.

Part no.	Cable and connector
GPSCO-7-27-24-58	3m (10') SMA



Dashboard/Windshield MiMo WiFi Antenna



- Supports 2x2 MiMo WiFi 2.4/5.0GHz
- Mount on or under the dashboard on the windshield
- Integrated double shielded low loss cables compliant to UN ECE R118
- Optional GPS/GNSS

The RAYM2-24-58 range has been designed as a cost effective solution for telematics/asset tracking applications MiMo WIFI. The compact, robust low-profile housing contains two elements providing MiMo WiFi 2.4/5.0GHz coverage. The antenna can be fitted on or under a vehicle dashboard or on a windshield using the supplied acrylic adhesive sealing pad. Supplied with integrated 3m (10') cables that are compliant with UN ECE R118 and fitted with Rev Pol SMA Plug connectors, the antenna will offer plug and play connectivity with many different devices. The GPSCOM2 variant adds GPS/GNSS functionality to this versatile product line.

Part no.	GPS/ GNSS	MiMo WiFi	Cable Length & Connector
RAYM2-24-58		2x2	3m Rev Pol SMA
GPSCO-24-58	•	•	3m SMA/SMARV
GPSCOM2-24-58	•	2x2	3m Rev Pol SMA



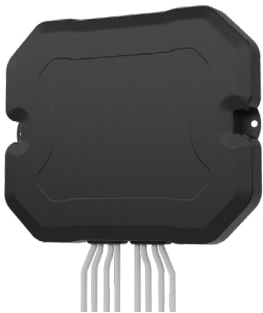
BAT Covert MiMo Antenna



- 2x2 MiMo 5G/4G
- 617-960 / 1427-6000MHz
- Optional GPS/GNSS
- Optional SiSo or 2x2 MiMo WiFi 2.4/5.0GHz
- UN ECE R118 compliant cables

The BAT range is an ideal 2x2 MiMo 4G/5G antenna for discreet internal installations with fall back capability to 3G/2G. It can also incorporate a GPS/GNSS antenna and single or 2x2 MiMo dual band WiFi antenna(s).

Part no.	MiMo LTE	GPS/ GNSS	WiFi	MiMo Wifi
BATM-7-60	2x2			
BATGM-7-60	2x2	•		
BATGM-7-60-24-58	2x2	•		2x2



4x4 MiMo 4G/5G BAT Antenna



- 4x4 MiMo 617-960/1427-6000MHz
- Up to 4x4 MiMo WiFi 6e/7 (optional)
- GPS/GNSS L1 or L1/L5 (optional)
- Adhesive or screw mount to any non-conductive surface
- Mount on or under vehicle dashboard or parcel shelf
- Suitable for mobility or enterprise/branch applications

The BAT[X]M4 range is a discreet or covert 4x4 MiMo antenna solution for 4G / 5G with the option of GPS/GNSS, and 2x2 or 4x4 dual band 2.4/5.0-7.2GHz WiFi 6e/7. The 4G/5G antenna elements cover 617-960/1427-6000MHz to provide a robust communications link to ensure high data rates even in challenging network coverage areas.

Part no.	MiMo 4G/5G	MiMo WiFi	GPS/ GNSS
BATM4-6-0	4x4		
BATGM4-6-60	4x4		•
BATGM4-6-60-D	4x4	2x2	•
BATGM4-6-60-Q	4x4	4x4	•

Sharkfins



Sharkfin Antenna Base

IP66
RATED

- OEM sharkfin styling
- Panel mount base for VHF or UHF whip
- Mounts via 3/4inch (18mm) hole

The FINB range offers a panel mount base with discreet sharkfin styling and a whip mounting position designed to accept a large range of our single band and multi-band whips. The FINB is easy to install with an acrylic adhesive sealing pad which affixes the antenna during installation and seals the antenna mounting location during use. Supplied with an integrated 5m (17') or 6m (20') low loss coax cable, the FINB can be mounted through a single 19mm (3/4") hole and alternatively is available with FME plug termination.

Part no.	Cable length	Termination
FINB	6m/20ft	Bare end
FINB-5F	5m/17ft	FME Jack (f)
FINB-5QMAP	5m/17ft	QMA Plug (m)



GPSB5G Sharkee®



- SiSo 5G/4G/3G/2G
- Covers 698-960/1710-3800MHz
- Integrated GPS/GNSS antenna
- SiSo WiFi 2.4/5GHz
- Mounting stud for comms whip

The GPSB5G is an OEM-style, sharkfin antenna with three internal antenna systems, GPS/GNSS, 2G/3G/4G/5G cellular, dual-band WiFi and a whip mounting for VHF or UHF whips. Requiring only a single-hole fixing, the GPSB5G reduces vehicle damage, cost of installation and visual impact whilst protecting vehicle resale value.

Part no.	SiSo 4G/5G	SiSo WiFi	GPS/GNSS	External Whip
GPSB5G*	•	•	•	•

*Antenna only part number shown above. For antenna with full cable kit parts, contact your sales representative.



GPSBAX2 Sharkee®



- OEM sharkfin styling
- GPS/GNSS and dual band WiFi in one housing
- Active GPS/GNSS antenna 26dB LNA
- Optional VHF or UHF Whip

The GPSBAX2 Sharkee® delivers multi-technology antenna coverage in a single, compact housing. Building on the trusted GPSB range used by public safety, utilities, and transportation sectors worldwide, the GPSBAX2 features internal GPS/GNSS and dual-band WiFi (2.4/5.0GHz) antennas, plus an optional VHF/UHF whip mount. With a single-hole fixing, it minimizes vehicle damage, installation cost, and visual impact while preserving resale value.

Part no.	WiFi	GPS/GNSS	External Whip
GPSBAX2	•	•	•



4G/5G MiMo Sharkee® 5G



- 2x2 MiMo 5G/4G
- 617-960/1427-6000MHz
- Optional integrated GPS/GNSS
- Up to 4x4 MiMo WiFi 2.4/5GHz
- External whip option
- UN ECE R118 compliant cables

The GPSD Sharkee® range has become a byword for industry leading technology in a discreet OEM sharkfin housing. GPSD-6-60 adds 5G coverage.

Part no.*	MiMo 4G/5G	MiMo WiFi	GPS/GNSS	External Whip
GPSD-6-60	2x2		•	•
GPSD-6-60-DW	2x2	2x2	•	•
GPSD-6-60-QW	2x2	4x4	•	•

*Part numbers refer to the black version only. Antenna only part number shown above. For antenna with full cable kit parts, contact your sales representative

Whips



1/4 Wave Flexible Whips

VHF UHF

- 1/4 wave whip
- Removable for car wash
- Rugged and flexible

AFM type features a flexible multi-strand element inside a durable TPU overmoulding and is ideal for general use.

Part no.	Frequency (MHz)
AFM-S1	380-400
AFM-S2	410-430
AFM-TET	380-430
AFM-U	430-472
AFM-UT	406-472
AFM-S4	450-470
AFM-W	470-520

VHF 1/4 Wave Flexible Whip

VHF

- OEM bee-sting style
- Wideband 1/4 wave
- Flexible overmoulded base

The AFBQ is a rugged VHF 1/4 wave whip for use on GPSK and GPSB base types. This antenna whip is styled to resemble an OEM 'bee sting' type design and is both discreet and durable, featuring an overmoulded shock spring and stainless steel rod.

Part no.	Frequency (MHz)
AFBQ-H4A	138-155
AFBQ-H6A	155-174
AFBQ-H5	149-159
AFBQ-H7	162-174



UHF 5dBi Flexible Whip Tri-band Whips

UHF

- OEM bee-sting style
- High peak gain
- Flexible overmoulded construction

The AFGB offers omni-directional performance with 5dBi peak gain. The antenna whip is styled to look similar to an OEM 'bee-sting' antenna and is both discreet and durable featuring an overmoulded coil and stainless steel rod. The antenna base is flexible for added damage resistance and can be mounted on a range of Panorama GPS combination bases.

Part no.	Frequency (MHz)
AFGB-395	380-410
AFGB-S2	410-430
AFGB-S4	450-470
AFGB-832	760-870
AFGB-B1	745-806
AFGB-S5	806-870

VHF UHF

- Tri-band function
- Flexible rod with wound element
- Fits our Sharkee® base

The ASF whips are stylish, discreet and durable, featuring a flexible overmoulded base section and a black jacketed flexible wound rod element. Designed to be mounted on the GPSB, GPSD range of bases, and used with a TPX-VH-UHF-BA-TNC[-X] triplexer.

Part no.	Frequency (MHz)
ASFC-I55-U2-B1	150-160 / 450-512 / 745-806
ASFC-I55-U2-S5	150-160 / 450-512 / 806-876

GPS



GPS/GNSS Antennas



- GPS/GNSS antennas (L1 Band)

Vehicle positioning is an intrinsic part of vehicle and fleet management and is achieved by use of GPS/GNSS technology. An effective antenna with high performance filtering is required to provide reliable operation. The GPSSV type is ideal for covert installation and is supplied with both adhesive and hook/loop pad fixings. A 3m (9.8') coax cable is supplied as standard, but a version with a 300mm (1') fly lead is available which can be used with an extension coax cable where required.

Part no.	Mounting type	Cable and connector
GPSSV-6SP	Adhesive	6m (19.7') SMA

GPS25MS Antenna

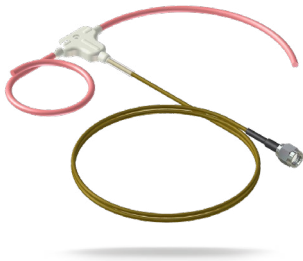


- GPS/GNSS L1/L5
- 26/30dB LNA gain
- Compact, robust housing (Mag or Panel)
- Integrated FR rated RG174 coaxial cable

The GPS25MS is a high-performance L1/L5 band GPS/GNSS antenna with 26/30dB gain LNA and excellent filtering. The antenna is housed within a low profile, robust enclosure and is suitable for use with GPS, GLONASS, Galileo and BeiDou systems requiring high accuracy for navigation and other precision applications. The GPS25MS has a magnetic base for temporary mounting.

Part no.	Cable and connector
GPS25MS-6SP	6m (19.7') SMA male

Bodyworn



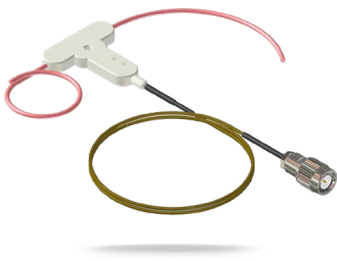
Bodyworn Dipole Covert Antenna

VHF UHF

- Dipole antenna
- Designed for mounting on the user's body
- Flexible wire elements for easy positioning

This bodyworn antenna can be incorporated in clothing or body armour/stab vests and should be oriented with elements on a vertical plane. Once in position, the antenna can be tuned to achieve the optimum VSWR/match.

Part no.	Frequency (MHz)
BWDT-SI-SP	380-400
BWDT-S2-SP	410-430
BWDT-TET-SP	380-430



Bodyworn Dipole Covert Antenna

VHF UHF

- Dipole antenna
- Designed for mounting on the user's body
- Flexible wire elements for easy positioning

This bodyworn antenna can be incorporated in clothing or body armour/stab vests and should be oriented with elements on a vertical plane. Once in position, the antenna can be tuned to achieve the optimum VSWR/match.

Part no.	Frequency (MHz)
BWDT-TET-SP	380-430



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