



Vidiwave – WLAN/3G/GPS ANTENNA

Screw-Mount GPS/GSM/Wi-Fi Combination Antenna | VANT6

Key Features

- GPS 1575MHz GSM Quad-Band
850/900/1800/1900MHz Wi-Fi 2.4~2.5GHz
- Custom cables and connectors available
RoHS ✓

GPS Ceramic Patch Antenna 25*25*6mm

Ground Size (Ø=130mm)

Parameter	Specification
Frequency	1575.42MHz ± 2MHz
Bandwidth	10MHz
VSWR	1.92 Max
Axial Ratio @Zenith	3dB Typical
Gain @Zenith	5dbi Typical
Impedance	50 W
Polarization	RHCP

Low Noise Amplifier

Parameter	Specification
Frequency	1575.42MHz
Bandwidth	10MHz
Noise Figure	1.5dB Typical
VSWR	1.92 Max
Gain	30dB Typical
Impedance	50 W
Power Consumption	7mA @3.3V
Operating Temperature	-30°~+80°C
Storage Temperature	-40°~+90°C

GSM Antenna

Parameter	Specification
Frequency	GSM 800/900/1800/1900
Impedance	50 W
VSWR	2.6 Max



Wi-Fi Antenna

Parameter	Specification
Frequency	2.4~2.5GHz
Impedance	50 Ω
VSWR	1.92 Max

Cable and Connectors

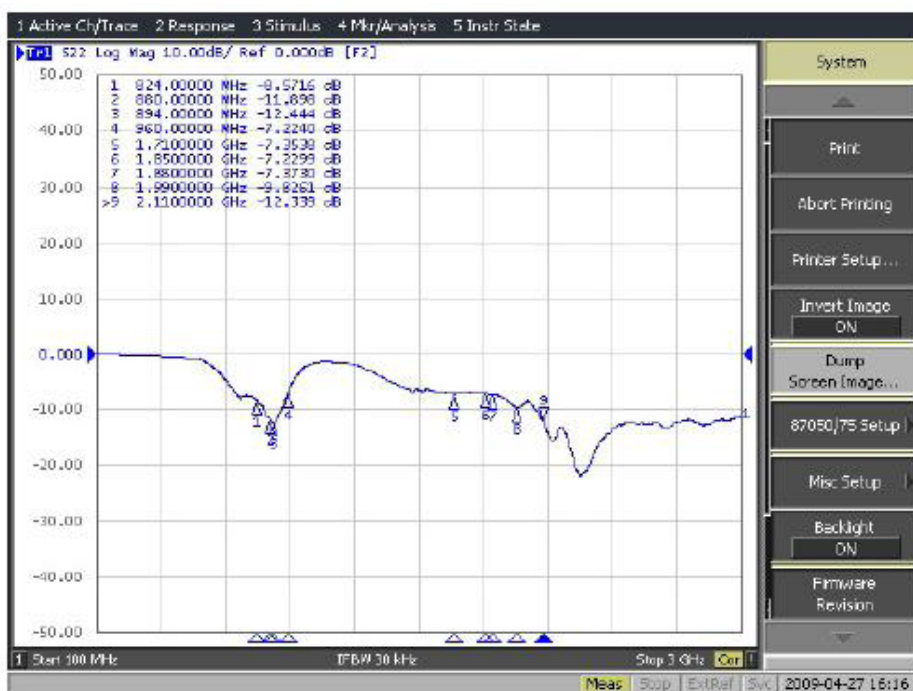
Parameter	Specification
Dimensions	Diameter 145.6mm
	Height (profile) 35.1mm – does not include Nut
Colour	Black
Connectors	GPS: SMA(M)
	GSM: SMA(M)
	Connector
	Wi-Fi: RP-SMA(M)
	Fully Customisable
Cable	RG-174 Length = 3M
	Cable
	Fully Customisable



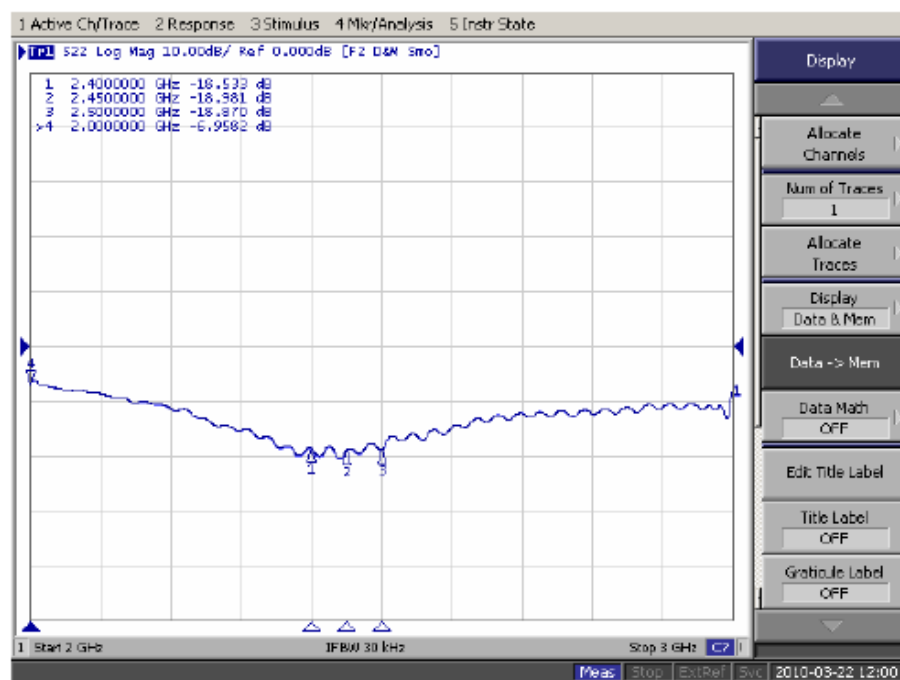
Vidiwave – WLAN/3G/GPS ANTENNA

Screw-Mount GPS/GSM/Wi-Fi Combination Antenna | VANT6

GSM Antenna Return Loss



Wi-Fi Antenna Return Loss

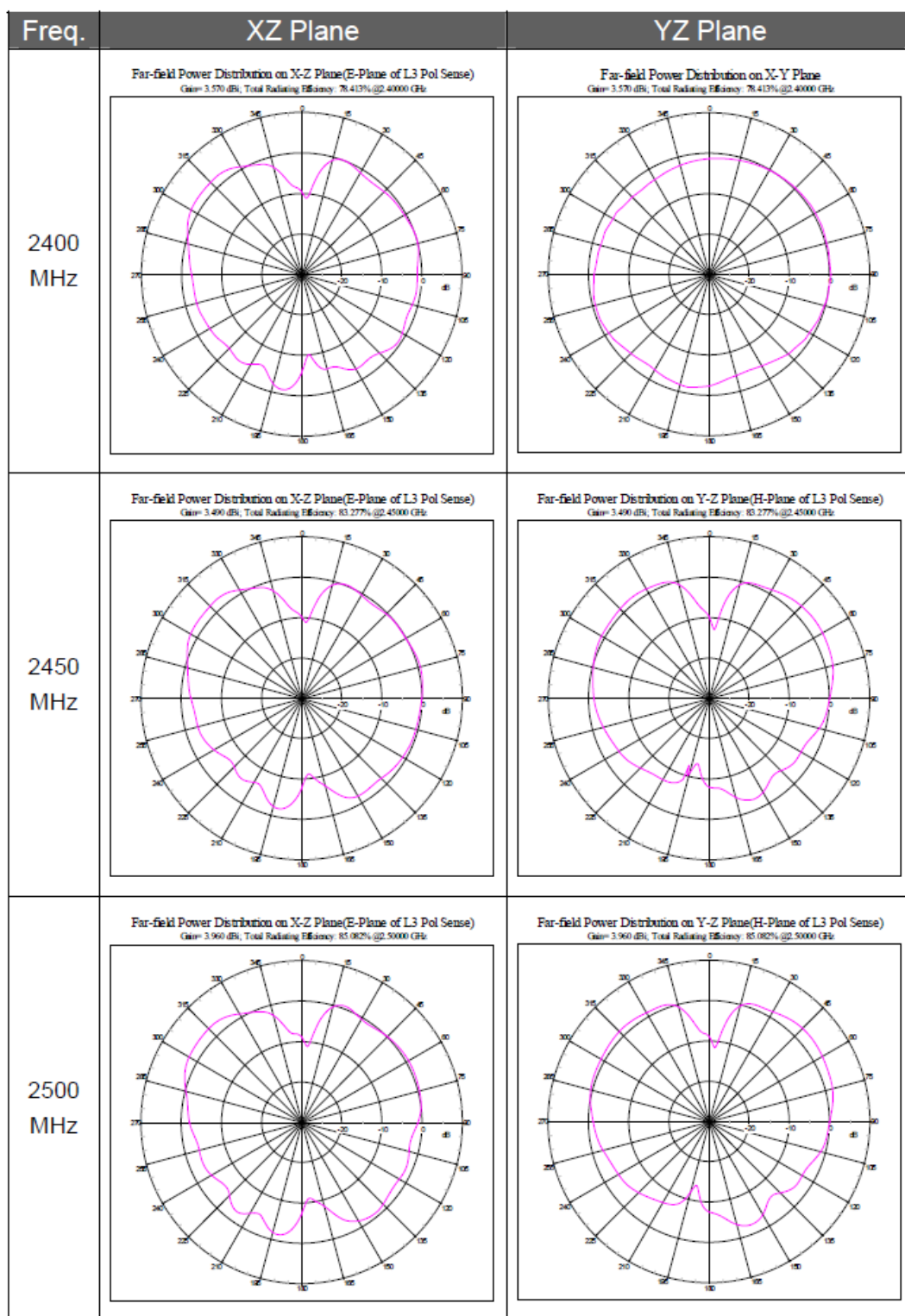




Vidiwave – WLAN/3G/GPS ANTENNA

Screw-Mount GPS/GSM/Wi-Fi Combination Antenna | VANT6

Radiation Patterns Wi-Fi Antenna

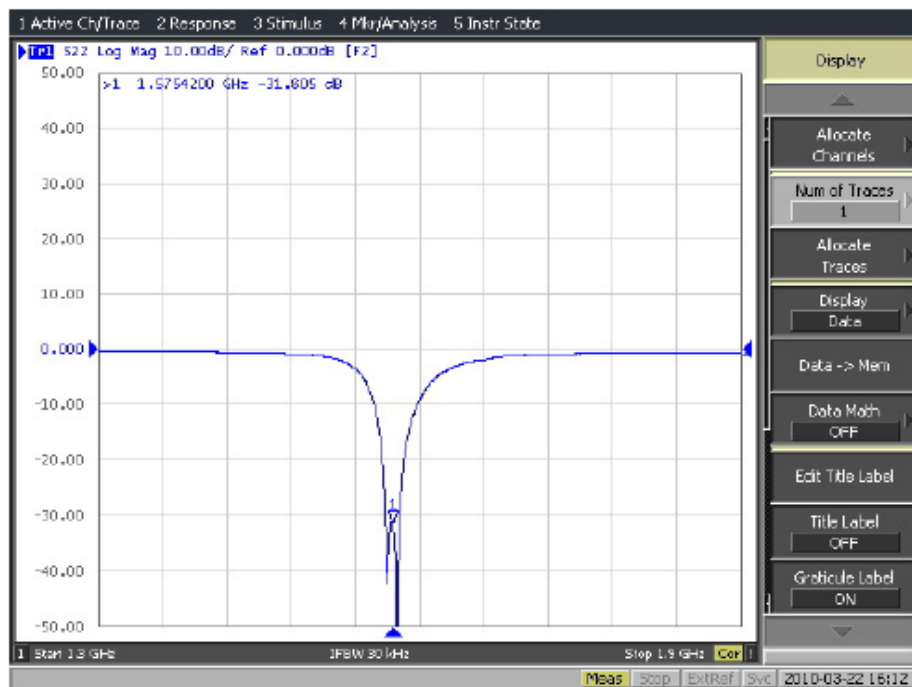




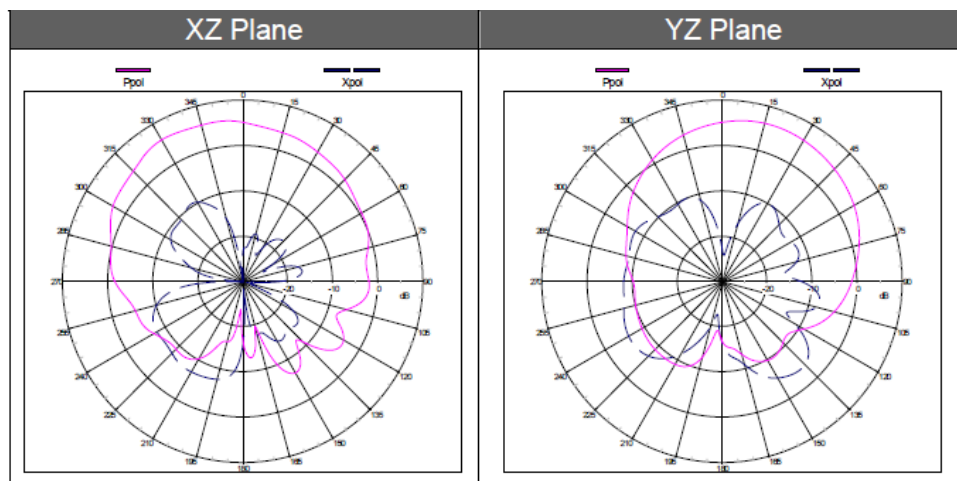
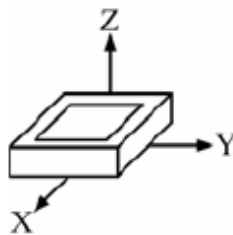
Vidiwave – WLAN/3G/GPS ANTENNA

Screw-Mount GPS/GSM/Wi-Fi Combination Antenna | VANT6

GPS Ceramic Patch Antenna



Radiation Pattern of GPS Ceramic Patch

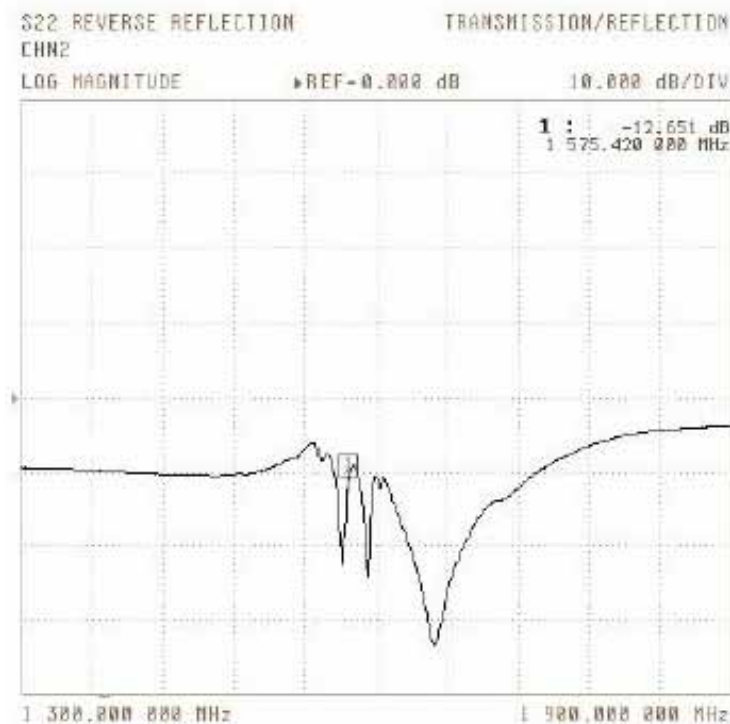




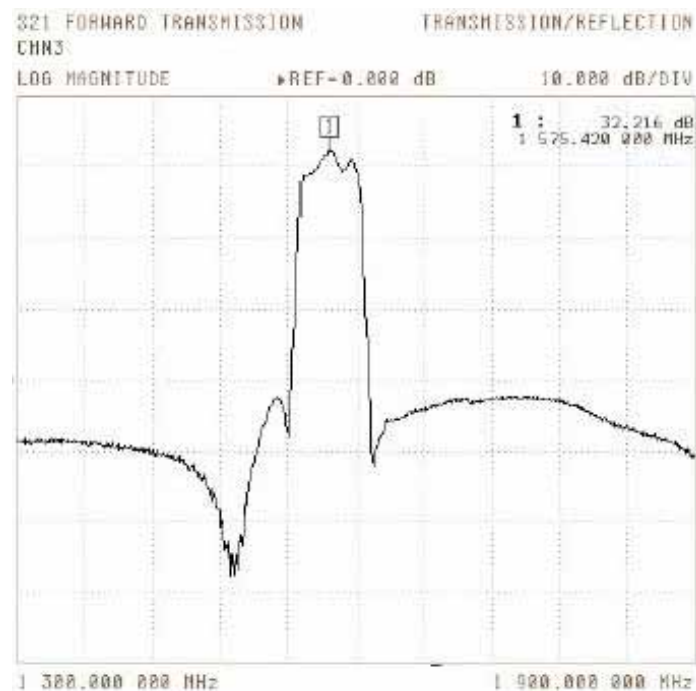
Vidiwave – WLAN/3G/GPS ANTENNA

Screw-Mount GPS/GSM/Wi-Fi Combination Antenna | VANT6

LNA-S22



LNA-S21





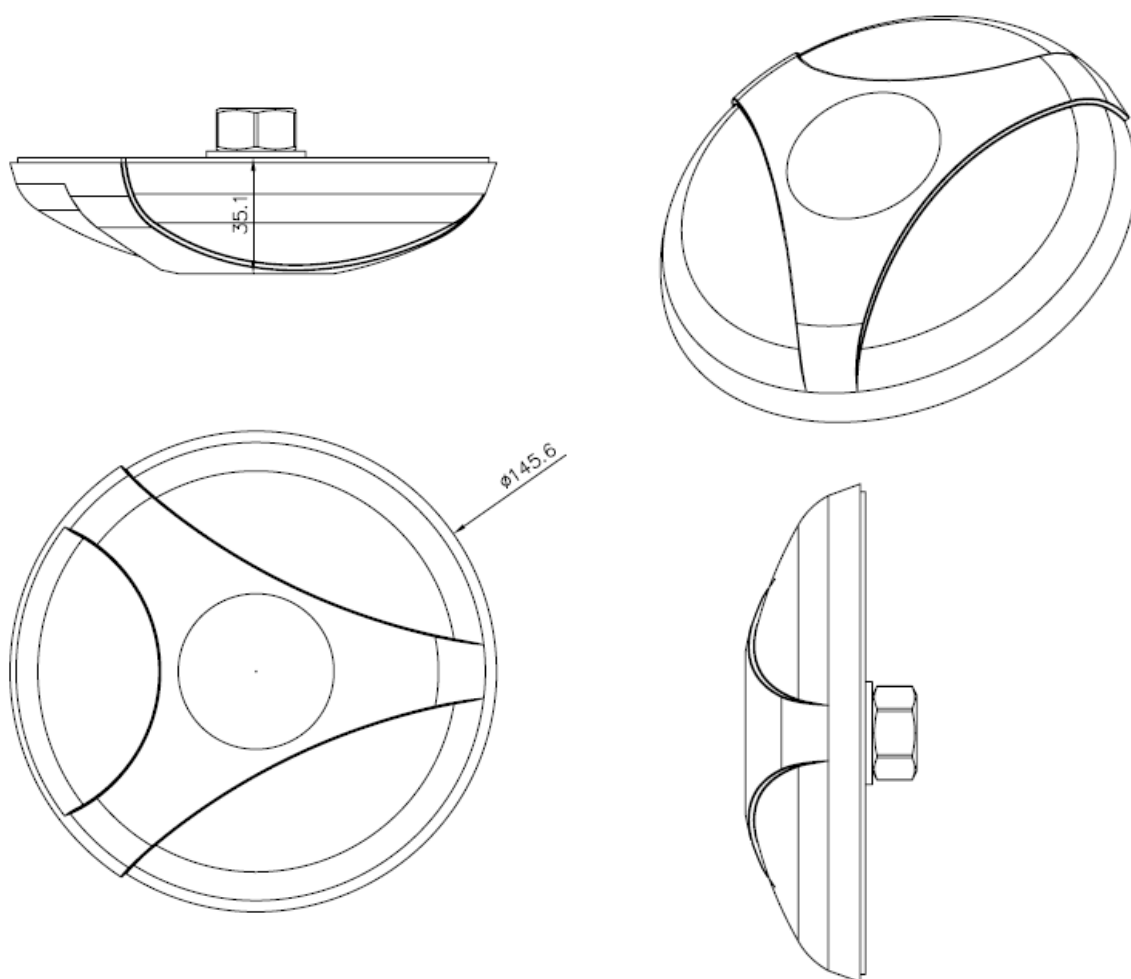
IDIWAVE
Wireless Mobile Video Solutions

Vidiwave™ Limited
Unit 5, Beaufort Court,
Roebuck Way, Knowhill
Milton Keynes, Bucks
MK5 8HL
Web: www.vidiwave.co.uk
Tel : +44 (0) 01908 661091

Vidiwave – WLAN/3G/GPS ANTENNA

Screw-Mount GPS/GSM/Wi-Fi Combination Antenna | VANT6

Technical Drawing





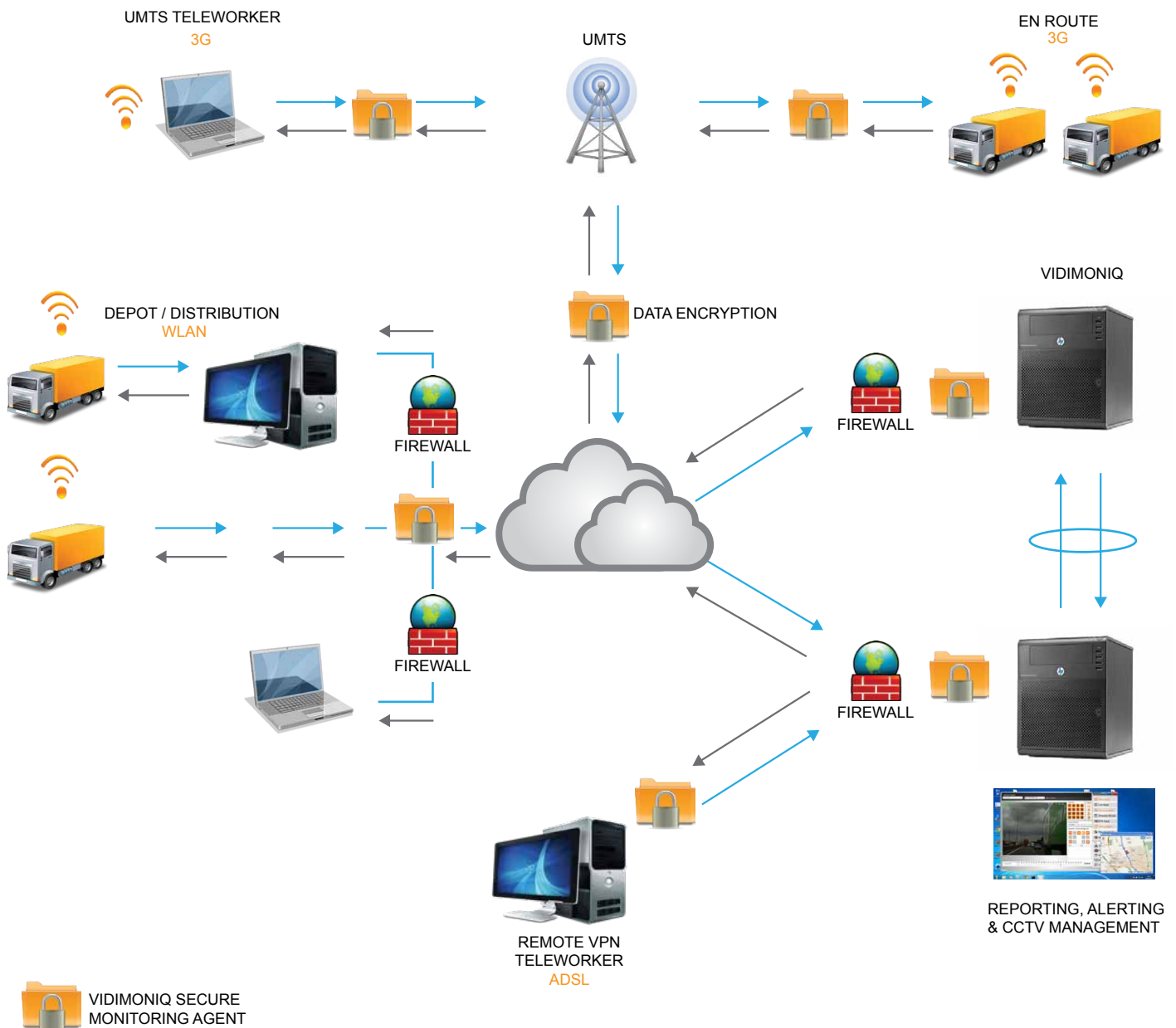
IDIWAVE
Wireless Mobile Video Solutions

Vidiwave™ Limited
Unit 5, Beaufort Court,
Roebuck Way, Knowhill
Milton Keynes, Bucks
MK5 8HL
Web: www.vidiwave.co.uk
Tel : +44 (0) 01908 661091

Vidiwave – WLAN/3G/GPS ANTENNA

Screw-Mount GPS/GSM/Wi-Fi Combination Antenna

Solution Connectivity Overview



© All Rights Reserved
Vidiwave Limited, Unit 5 Beaufort Court, Roebuck Way, Knowhill, Milton Keynes
Buckinghamshire, England - MK5 8HL

Recording Technology | 3G Network | Vehicle Camera Solutions | Cinema Room

www.vidiwave.co.uk