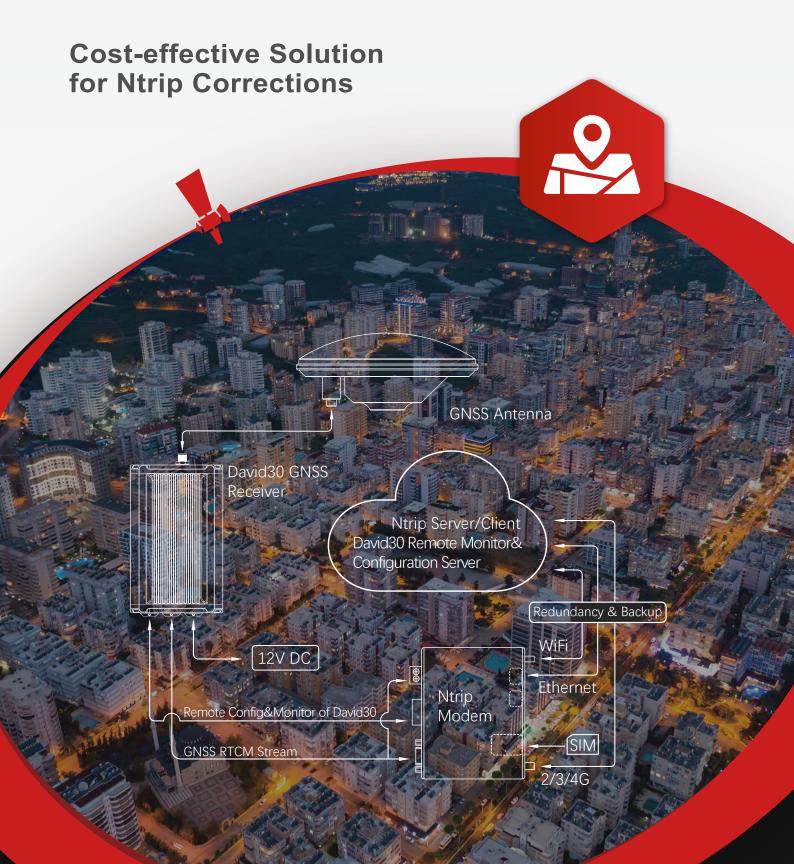


TERSUS

GeoBee30

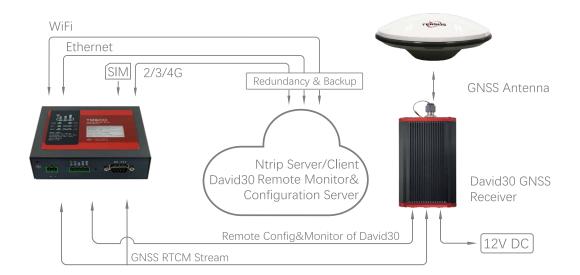


Tersus GeoBee30

The Tersus GeoBee30 is a dedicated and cost-effective solution to establish a permanent reference station. With Tersus Ntrip Caster Service, Ntrip Modem and David30 GNSS Receiver, the GeoBee30 opens the possibility for users to transmit Real Time Kinematic (RTK) corrections via Internet (Ethernet or 2G/3G/4G) in a simple, userfriendly way, just using a SIM card or Ethernet cable without any need of a static IP. GeoBee30 can also work as GNSS Rover to receive RTK corrections from Tersus Ntrip Caster or any CORS service.

Ntrip server mode: use David30 GNSS receiver to create a base station. This temporary base or CORS are for surveying, agriculture, UAV, machine control, and etc. It is also ideal for deformation monitoring. Tersus GNSS Inc. provides Ntrip Caster to transfer data.

Ntrip client mode: connect David30 or other Tersus GNSS receivers to Tersus Ntrip Caster or any Ntrip/CORS service. David30 is mainly used for surveying, and also used as a GNSS sensor in various applications, such as mobile mapping, machine control, precision agriculture, and etc.





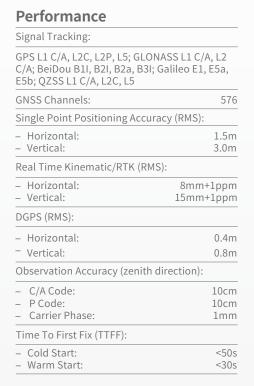
Features

- Supports multi-constellation including BeiDou, GPS, GLONASS, Galileo, and QZSS
- Support 576 channels
- Supports RTCM2.3/3.0/3.2, CMR, CMR+ corrections
- Supports 8GB internal storage

- Rapid RTK integer ambiguity resolution
- Supports stable, high-precision measurement output
- Supports Ethernet is default while 2G/3G/4G is hot standby
- Supports remote access and operation

Technical Specifications

David30



Reacquisition	:	<2s
Timing Accura	acy (RMS):	20ns
Velocity Accuracy (RMS):		0.03m/s
Initialization (typical):		<10s
Initialization F	Reliability:	>99.9%
Correction:	RT	CM 2.x/3.x, CMR/CMR+
Data format:	NMEA-0183	and Tersus Binary format
Max. Data Upo	date Rate:	20Hz
Storage:		In-built 8GB memory
Commun	ication	
Serial Ports:		RS232 x2

Serial Ports:	RS232 x2	
Serial Baud Rate:	Up to 921600bps	
USB Ports:	USB 2.0 OTG x1	
CAN Ports:	CAN x1	
PPS Ports:	LVTTL x1	
Event Ports:	LVTTL x2	
Antenna Connector:	TNC female x1	



Software Support

Tersus Nuwa Other Third Party Software Support NMEA-0183

Electrical

Input Voltage:	5V~36V DC
Power Consumption (at 25°C):	3.6W

Physical

Dimension:	124x79.5x37mm
Weight:	≈ 360g

Environmental

Operating temperature:	-40°C ~ +85°C
Storage temperature:	-40°C ~ +85°C
Humidity:	95% non-condensing
Dust- & Waterproof:	IP67

Ntrip Modem TR600

Performance

Input Voltage:	12V~48V DC
Operating Current:	350mA @ +12V DC
Standby Current:	250mA @ +12V DC
Power Consumption (typi	ical): 4.2W

Physical

Dimension:	118x91x34mm	(w/o connectors)
Weight:		335g
Operating Temperature:		-30°C ~ +80°C
Relative Hun	nidity:	95% @ +40°C

Interfaces

Serial Port:	RS232 x1,	RS4	85 x1
Ethernet:	RJ45 x2 (LAN,	LAN/	WAN)
Antonna Connector:	SMA Fomalo v2	(AG	\\/;Ei

Communication

NELWOIK.
Chinese version:
2G: GSM/GPRS/EDGE/CDMA2000 1x 3G: UMTS/WCDMA/HDSPA/HSPA+/ TD-SCDMA /CDMA2000 EVDO 4G: TDD-LTE/FDD-LTE

Eurasian version (Europe, Middle East, Africa, South Korea, Thailand):

> 2G: GSM/GPRS/EDGE 3G: UMTS/WCDMA/HDSPA/HSPA+ 4G: TDD-LTE/FDD-LTE

North American version:

3G: UMTS/WCDMA/HDSPA/HSPA+ 4G: FDD-LTE

Australian version (New Zealand, Australia, South America):

2G: GSM 3G: WCDMA

4G: FDD-LTE/TDD-LTE



Operating Frequency:

Chinese version:

TDD-LTE B38/B39/B40/B41 FDD-LTE B1/B3/B8 UMTS/HSDPA/HSPA+ B1/B8 TD-SCDMA B34/B39 CDMA2000 1x/EVDO BC0 GSM/GPRS/EDGE 900/1800 MHz

Eurasian version:

TDD-LTE B38/B40 FDD-LTE B1/B3/B7/B8/B20 UMTS/HSDPA/HSPA+ B1/B8 GSM/GPRS/EDGE 900/1800 MHz

North American version:

FDD-LTE B2/B4/B5/B17 UMTS/HSDPA/HSPA+ B2/B5

Australian version:

FDD-LTE B1/B2/B3/B4/B5/B7/B8/B28 TDD-LTE B40 WCDMA B1/B2/B5/B8 GSM 850/900/1800/1900

Tersus GNSS Inc.

Right to the point.

Tersus is a leading GNSS solution provider – we research, engineer, and manufacture GNSS products for high-precision positioning applications. The product family spans a broad spectrum, from GNSS OEM boards to integrated solutions, such as the David GNSS Receiver, Oscar GNSS Receiver, MatrixRTK, and GNSS Aided Inertial Navigation System. Tersus GNSS products have been widely adopted in numerous industries: surveying, GIS, construction, UAV, automation, precision agriculture...the list continues.

What is Tersus GNSS to you?

Tersus GNSS is proud. Being one of the few qualified players in the GNSS arena, we offer you state-of-the-art GNSS equipment made by our own.

Tersus GNSS is humble. We listen and adapt. We work diligently with global partners to ensure you get the best products and most satisfactory services.

Tersus GNSS is ours. We work with each other, challenge each other, and help each other. We learn together, win together, and celebrate together.

Most importantly, Tersus GNSS is also yours. Your feedback helps us improve and your expectations spur us on to become great rather than just good. Accompanied by Tersus GNSS, your success is encouraging, and your joy is shared.

To learn more, please visit: www.tersus-gnss.com Sales inquiry: sales@tersus-gnss.com

Technical support: support@tersus-gnss.com

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