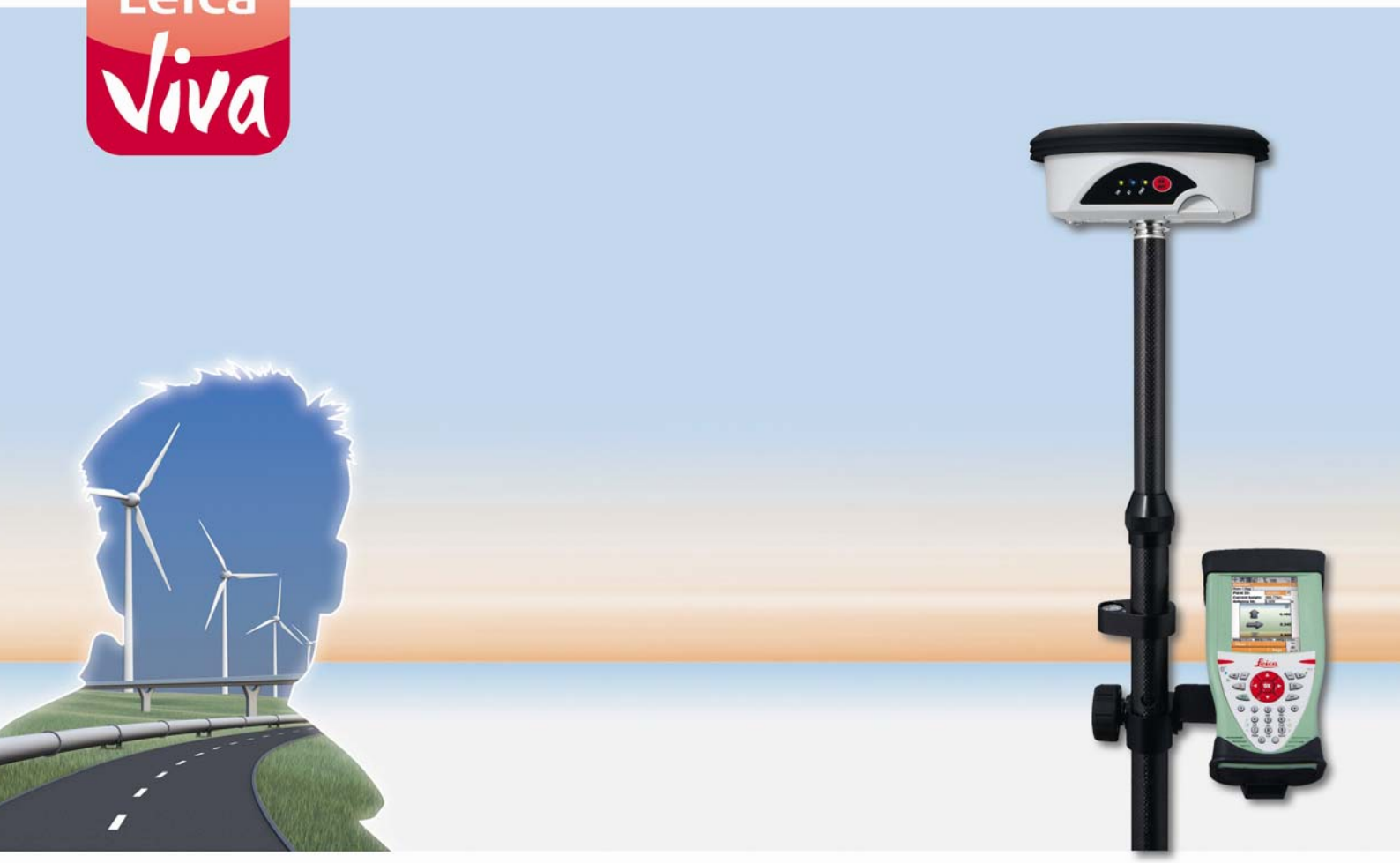
Leica Viva NetRover
Вклучи и Мери



Leica Viva NetRover
Комплетно “All-in-One”
GNSS Network решение

Во Leica Viva NetRover е интегрирана најновата технологија од Leica Geosystems,светски водечкиот производител на мерни инструменти. Сите компоненти на Viva NetRover функционираат беспрекорно создавајќи лесен и без кабли, ровер за работа во мрежа.

Добредојдовте во Leica Viva – дозволете да Ве инспирираме

Лесно за секого

- Вклучи и мери
- Лесен за учење
- Дизајниран за работа во мрежа
- Создаден за теренски мерења
- Докажана GNSS технологија
- Едноставни и продуктивни софтверски апликации

- when it has to be right

Leica Geosystems

Технички спецификации

Leica Viva NetRover	
CS10 Field Controller	
Operating system	Microsoft Windows CE 6.0
Processor	Freescale iMX31 533 MHz ARM Core with 512 MB DDR SDRAM
Display	8.9 cm (3.5") 640 x 480 pixel (VGA) colour touch screen, sunlight-readable, backlight
Keyboard	26 keys, numeric keypad, fully illuminated
Data storage	1 GB internal flash, SD-card slot, CF-card Type I / II slot, USB connector port
Audio	Integrated sealed speaker and microphone
Camera	Integrated 2 Megapixel fixed focus camera
Integrated wireless connectivity	Bluetooth® 2.0 Class 2, Wireless LAN 802.11b/g (option), high speed broadband 3.5G GSM & UMTS (option)
Application Software	Leica SmartWorx Viva LT
GS08 SmartAntenna	
GNSS technology	Leica SmartTrack technology: • Advanced measurement engine • Jamming resistant measurements • High precision pulse aperture multipath correlator for pseudorange measurements
No. of channels	Antenna hardware is 120 channels, software limitation to 72 channels
Satellite signals tracking	GPS: L1, L2, L2C (C/A, P, C Code) GLONASS: L1, L2 (C/A, P narrow Code)
User interface	On / Off key. Satellite tracking, Bluetooth® communication & battery power LED status indicators
Communication ports	Bluetooth® 2.0 Class 2, 8-pin Lemo combined USB / power port
Accuracy and reliability[1]	
RTK Static accuracy	Horizontal: 5 mm + 0.5 ppm (rms), Vertical: 10 mm + 0.5 ppm (rms)
RTK Moving accuracy	Horizontal: 10 mm + 1 ppm (rms), Vertical: 20 mm + 1 ppm (rms)
Post Processing static accuracy	Horizontal: 3 mm + 0.5 ppm (rms), Vertical: 6 mm + 0.5 ppm (rms)
Reliability	Better than 99,99 % using Leica SmartCheck technology
Time for initalisation	Typically 8 sec [2]
Network specifications	
RTK data formats	Leica proprietary formats (Leica, Leica 4G), CMR+, RTCM2.x, RTCM3.x, full support of RTCM 3.1 transformation message
Position update rate	1 Hz standard, Optional 5 Hz (0.2 sec)
Network positioning	VRS, FKP, iMAX, MAX, Nearest Station
Physical specifications	
Weight of pole setup	2.80 kg for complete rover setup, including batteries and telescopic pole
Temperature, operating	-30°C to +60°C (-22°F to +140°F), GS08 only: -40°C to +65°C (-40°F to +149°F) [3]
Temperature, storage	-40°C to +80°C (-40°F to +176°F) [3]
Sealed against water, sand & dust	IP67: Temporary submersion into water (max. depth 1m). Protected against blowing rain and dust
Drops	Withstands 1 m drop onto hard surface
Topple over	Withstands topple over from a 2 m survey pole onto hard surface
Power management	
Supply Voltage	Nominal 12V DC, Range 10.5 – 28V DC
Internal power supply Operation time	Removable & rechargable Li-Ion battery, 2.6 Ah / 7.4 V (1x in CS10 and 1x in GS08) 7 hours using Bluetooth® and 3.5G devices [4]
Battery charging	2 hours with GKL211 charger or with GEV235 field controller power supply

[1] Measurement precision, accuracy and reliability are dependent upon various factors including number of satellites, geometry, obstructions, observation time, ephemeris accuracy, ionospheric conditions, multipath etc. Figures quoted assume normal to favorable conditions. GPS and GLONASS can increase performance and accuracy by up to 30% relative to GPS only.
[2] May vary due to atmospheric conditions, multipath, obstructions, signal geometry and number of tracked signals.
[3] Compliance with ISO9022-10-08, ISO9022-11-special and MIL-STD-810F Method 502.4-II, MIL-STD-810F Method 501.4-II
[4] May vary with temperature, battery age and transmit power of data link device.

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Leica Geosystems

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