

# Leica Viva TS16

## Be Captivated



**HOLMANS | USA**  
PRECISION PERFORMANCE SINCE 1955  
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- when it has to be **right**



# Leica Viva TS16 Total Station – Self-learning in any application

Meet the world's first self-learning total station. Automatically adjusting to any environmental conditions, the Leica Viva TS16 locks onto your, and only your, target. Regardless of how challenging the task or the amount of distractions in the field, this total station exceeds your expectations.

Cover a wide range of applications when this total station sees precisely what you see. Known for the most comprehensive imaging capability available, you can capture exact conditions for any worksite through the self-learning capability of the Leica Viva TS16.



#### WORLD'S FIRST SELF-LEARNING TOTAL STATION

- Automatically and continuously adapts for best measurement performance to site conditions, such as rain, fog, dust, sun, heat shimmer and reflections
- Identifies and ignores irrelevant targets and reflections

#### ATRplus WITH DOMINANT PERFORMANCE

- Automated target aiming range up to 1,500 m
- Automated target locking range up to 1,000 m
- Accelerated target search with PowerSearch
- Robust and highly-accurate position delivery in high dynamic applications

#### IMAGE ASSISTED SURVEYING

- 5 megapixel wide angle overview camera
- Video frame rate of up to 20 Hz onboard and remote
- Automatic panoramic image capture
- Tap and turn for aiming

#### PINPOINT R1000 DISTANCE MEASUREMENT

- Single EDM for high accuracy and wide range at the same time
- Visible measurement beam of small spot size
- Measurement range on any surface up to 1,000 m

#### POWERED BY LEICA CAPTIVATE

- Engaging software with immersive experience
- Full 5" WVGA display
- Familiar apps at the simplicity of touch



#### Engaging software

The Leica Viva TS16 total station comes with the revolutionary Captivate software, turning complex data into the most realistic and workable 3D models. With easy-to-use apps and familiar touch technology, all forms of measured and design data can be viewed in all dimensions. Leica Captivate spans industries and applications with little more than a simple swipe, regardless of whether you work with GNSS, total stations or both.



#### Infinitely bridging the field to the office

While Leica Captivate captures and models data in the field, Leica Infinity processes the information back in the office. A smooth data transfer ensures the project stays on track. Leica Captivate and Leica Infinity work in conjunction to join previous survey data and edit projects faster and more efficiently.

#### ACC»

#### Customer care is only a click away

Through Active Customer Care (ACC), a global network of experienced professionals is only a click away to expertly guide you through any problem. Eliminate delays with superior technical service, finish jobs faster with excellent consultancy support, and avoid costly site revisits with online service to send and receive data directly from the field. Control your costs with a tailored Customer Care Package, giving you peace of mind you're covered anywhere, anytime.

With ATRplus there is only one prism – yours

**ATRplus, born from five generations of optimisation, takes known and trusted automation performance to the next level. This superior technology maximises the total station's ability to remain locked on your target, ignoring other distractions in the field.**

The Leica Viva TS16 learns the environment, delivers accurate positions even in difficult dynamic applications, and offers the fastest re-lock in case of interrupted line of sight.



The Leica Captivate Experience immerses you beyond the data with engaging software, renowned high-precision measurement instruments and trusted services. Through the simplicity of touch, management of complex data is made extraordinarily enjoyable and actionable.

**Be Captivated.**

Revolutionising the world of measurement and survey for nearly 200 years, Leica Geosystems creates complete solutions for professionals across the planet. Known for premier products and innovative solution development, professionals in a diverse mix of industries, such as aerospace and defence, safety and security, construction, and manufacturing, trust Leica Geosystems for all their geospatial needs. With precise and accurate instruments, sophisticated software, and dependable services, Leica Geosystems delivers value every day to those shaping the future of our world.

Leica Geosystems is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.

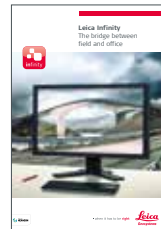


IEC 60825-1:2014

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**Leica Captivate**



**Leica Infinity**



**Leica Nova MS60**



**Leica Viva GS14**



Video tutorials are available on:  
<http://www.leica-geosystems.com/captivate-howto>