### Z+F IMAGER® 5016 / Innovative Design

#### Dimensions
- 258 mm
- 150 mm
- 328 mm

#### Weight
- Scanner without battery: 6.5 kg (14.3 lbs)
- Scanner with 2 batteries: 7.5 kg (16.5 lbs)
- Ideal weight for stable setup
- Makes field work easier

#### Housing
- Ergonomic streamline design
- Additional grip with two handles
- Makes setup with high tripods or overhead applications easy

#### Protection class IP 54, protection against splash water and dust

#### Operation temperature
- -10 °C ... +45 °C (14°F ... 113°F)

#### Visual feedback by illuminated power switch

#### Easily accessible plugs for external power supply or ethernet data exchange

#### Usable in smallest spaces
#### Carry-on luggage size

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**Subsidiary – UK**
ZF UK Laser Limited
9 Avocado Court
Commerce Way
Trafford Park
Manchester M17 1HW
United Kingdom
Tel.: +44 161 871 7050
Fax: +44 161 312 5063
www.zf-uk.com | info@zf-uk.com

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**Subsidiary – USA**
Z+F USA, Inc.
700 Old Pond Road
Suite 606
Bridgeville, PA 15017
USA
Tel.: +1 412 257 8575
Fax: +1 412 257 8576
www.zf-usa.com | info@zf-usa.com

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of the new Z+F IMAGER® 5016 has been extended to
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results and a more efficient workflow.
ted to the new design, resulting in even better scanning
all components have been further developed and adjus-
tions necessary to a minimum.

"real-time registration" section of this

The Z+F IMAGER® 5016 is equipped with an integrated HDR camera, internal lighting and positioning system – already proven from its predecessors, the Z+F IMAGER® 5010C and the Z+F IMAGER® 5010X. However, all components have been further developed and adja-
ted to the new design, resulting in even better scanning
results and a more efficient workflow.

Technical features
Due to innovative developments, the maximum range
of the new Z+F IMAGER® 5016 has been extended to
up to 360 m (1,181 ft) – thus establishing new opportu-
nities and applications. The maximum measurement rate of more than 1 Mio. points/sec., guarantees highly accurate results even with long distances.

Its 360° x 320° field-of-view assures great coverage
of the scanned area, reducing the number of scan posi-
tions necessary to a minimum.

The scanner is classified as “eye-safe” according to
802.11a/n/g standard
operates to the
WiFi connection. The
WiFi
SD-card slot
ethernet link or
integrated LED spots.

Rapid picture capturing
Capturing colour information is very important in many fields of application. Generating a full
HDR panorama (80 MPixel) only takes about
3:30 min. – which is the shortest capturing time
for integrated HDR cameras in terrestrial laser scanners on the market. Combined with quick
scanning times, this allows the user to rapidly
generate geometric and colour data.

Integrated LED spots
The new HDR camera of the Z+F IMAGER® 5016 is now equipped with integrated LED spots, which grant additional flexibility when scanning. No more external lighting sources are necessary
when capturing images in dark environments.

Internal data storage and data transfer
The scanner has internal storage capacities for
128GB and can therefore be used in public areas
without any restrictions.

The scanner comes with an integ-
rated HDR camera, which allows the user to
quickly capture colour information - even in challenging lighting conditions.

The new Z+F IMAGER® 5016 combines compact and
lightweight design with state-of-the-art laser scanning technology allowing the user to reach new levels. The new phase-based laser scanner is equipped with an integrated HDR camera, internal lighting and positioning system – already proven from its predecessors, the Z+F IMAGER® 5010C and the Z+F IMAGER® 5010X. However, all components have been further developed and adja-
ted to the new design, resulting in even better scanning
results and a more efficient workflow.

Real-time registration

Z+F LaserControl® Scout will automatically synchronize
the scanner and tablet display the same results. No additional steps are necessary to
verify the positioning.

Z+F LaserControl® will create a detailed top-view, outli-
ering the features in the scene for easy orientation and
verification of the positioning.

Remote control and synchronization
Stay updated through advanced
synchronization
Z+F LaserControl® will automatically synchronize
all scan data locally and, after registration, update all scan data on the scanner accordingly. Therefore, at any
time, the scanner and tablet display the same results.

Registration Guard

Remote Scanner Control
Free yourself of time pressure to hectically hide
from the scanner the control terminal and check its status comfortably from a distance.