

PRODUCT SHEET

Trust through secure and precise ID inspection

VISOTEC® Expert 900 Family



VISOTEC® Expert 905
Built-in device



VISOTEC® Expert 910
with ambient light shield



VISOTEC® Expert 910
with document retainer

Advantages at a glance

01

Precision
through outstanding
optical space and
resolution

02

Versatility
through many
illumination angles
and directions

03

Inspection depth
thanks to detection
of features that could
previously only be
evaluated manually

04

Efficiency
through simple
operation
and integration
capability

The possibilities and inspection depths of large reading devices in a small, handy device

The VE900 family consists of sophisticated desktop or built-in card readers specifically designed to meet the high security requirements of airports, border control points and government agencies as well as in-depth inspection applications.

Thanks to the optimised optical space as well as the different illumination angles and directions of light, many new features can be detected and automatically inspected. The systems also offer sufficient performance resources to make crucial details visible in the forensic assessment. Our card readers and verification software applications thus provide the ideal basis for creating trust and security.

The use of card readers at government checks is crucial to ensure the security and integrity of our society.

Possible applications and scope of inspection

VISOTEC® Expert 910 as a desktop device is suitable both at the border control desk and for in-depth inspections in the laboratory. VISOTEC® Expert 905, on the other hand, is optimised for use as a built-in device in automated checks or for installation in cases and mobile systems.

Both devices offer a durable, scratch-resistant document glass (Corning Gorilla Glass 3) and the same optimised optical space, including the high-resolution camera. The device comes with the following illumination types:

- White light (VIS)
- Infrared light (IR)
- UV light (UV)
- Captured area: 130 mm x 93 mm

The illumination types (VIS and IR) can be used from above, as side light (10°, 45°), and as coaxial light (0°). This applies to the entire document area.

The RFID reader (ISO 1443 – type A and type B) is supplemented in VISOTEC® Expert 910 by a contact-based smartcard reader.

Scope of delivery and requirements

The VISOTEC® Expert 910 model comes with document retainer, ambient light shield, stop bracket, power supply unit and USB cable. In the VISOTEC® Expert 905 product variant, the power supply unit and USB cable are included in the delivery.

Both systems require a computer with Windows 10 (64-bit) or Windows 11, with 8 physical or 4 cores with hyperthreading, and at least 8 GB RAM.

Resources for tomorrow

The VISOTEC® Expert 900 family offers a wide range of options to counter the increasingly sophisticated forgeries.

The devices can securely detect and automatically evaluate an increasing number of characteristics in order to create trust with the counterpart without losing time. Should more in-depth inspection become necessary, our systems allow even the latest features to be examined or transmitted to a colleague in a decentralised location. Thanks to the wide range of images, high image quality, and the different light directions, the officer can quickly and reliably decide on document quality without having to even touch the document.

The VISOTEC® Expert 900 family makes it possible to promptly put a stop to criminals in cases of document forgery. The combination of VISOTEC® Expert and VISOCORE® Inspect or Verify is an unbeatable team for detecting anomalies in documents. Together, the devices create the necessary trust in the document and in our counterpart.

Product configuration of VISOTEC® Expert 905 (VE905) and VISOTEC® Expert 910 (VE910)

Function	VE905	VE910
18-megapixel camera	✓	✓
Illumination: VIS, IR, UV, coaxial, 10° and 45°	✓	✓
RFID reader	✓	✓
Smartcard reader (contact-based)	-*	✓
Status LED	-*	✓
Document retainer	-	Included in delivery
Protection against ambient light	-	Included in delivery

*Connections for external smartcard reader and status LED available.