

iPeak®

PoC Lateral Flow Reader

Available for OEM Full Customization

Main benefits

Flash Eye technology

iPeak® is equipped with the Flash Eye technology that **brings sensitivity** to another level.

Track the sample, track the results

Store images and results. Export & print the results. Its barcode reader – which also reads QR or Datamatrix – allows quick identification of the sample. Read barcodes on virtually any medium - paper, plastic cards, mobile phones and LCD displays and read most of the 1D & 2D barcodes with ease, even poorly printed.

Precise & optimal

Program test turnaround time. Read your test at the right moment.

Connectivity

Send results in real-time & integrate them into the laboratory information system (LIS). Connect portable devices such as mobile phones or tablets, clouds, local networks, or the Internet.

Product Overview

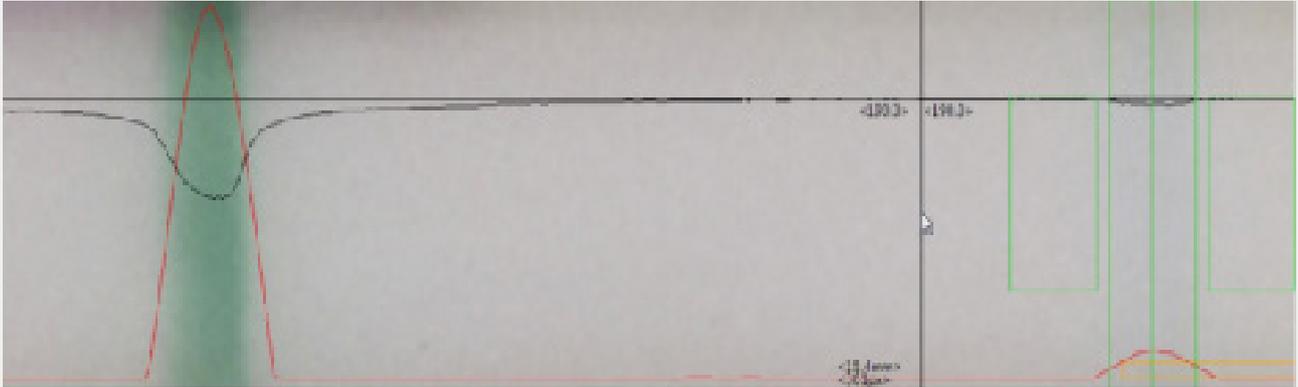
Lateral Flow assays are simple and inexpensive today, but readers are not. Although results can be obtained visually, as demand grows for more sensitivity, quantification, traceability, and connectivity, the need for reasonable cost-wise Lateral Flow Readers is increasing. iPeak® is a PoC (Point of Care) Quantitative and Qualitative colorimetric Lateral Flow Reader that ensures precise interpretation of results for both, routine sample testing, research and development applications.



Point-of-care | Health & Veterinary Diagnostics | Food Safety | Drug testing | Environmental | Research

Flash Eye technology

Flash Eye technology is the combination of excellence in image acquisition and processing, and the IUL's in engineering fields. Flash Eye technology enhances the color of any colorimetric lateral flow test with an **outstanding dynamic range** for qualitative and quantitative assays.



Workflow



Set up as many methods as you need with the **R&D Software**.



Configure the reader scanning a Datamatrix with all the features of your method.



Scan your test and integrate it into a laboratory information system, LIMS, LIS, HIS, or interact with portable devices such as Mobile Phones or Tablets, Cloud, local Networks, or the Internet.

Secure ecosystem

We provide our iPeak® Partners a secure ecosystem equipped with data connectivity with HL7 to export your OEM or off-the-shelf iPeak® data to LIMS; LIS, HIS, EMR or any middleware.

- Encrypted data transference
- Standard double verification system
- Audit Trail & automatic iPeak® locked when it is intentionally compromised
- User authentication for system access



▶ OEM (Original Equipment Manufacturer) Full Customization



Full Customization

IUL offers iPeak® technology for **full OEM customization** in different fields of application, e.g., Environmental and Industrial Microbiology, Medical, or Veterinary. Depending on the features selected it can be miniaturized to a very small size, which makes it easy to transport, e.g., measurement of different hormone body levels, veterinary applications, food testing, etc. and where the user interface runs on an iOS® or Android® App. With its **ultimate 3D printing prototyping and manufacturing technology**, IUL makes total customization, fast, flexible, and affordable even for small quantities and with minimal time-to-market. Expensive and time-consuming plastic injection molds are no longer needed.

▶ Do you want to brand your iPeak®?

Change the colors and logos of your iPeak®, make iPeak® your lateral flow reader.



Performance and specifications

| Performance | |
|---------------------------------------|---|
| Internal memory | 16 Gb |
| Stored results | Results, raw, and processed images. Depending on int. memory |
| Number of test lines per strip | Up to 7 lines / strip |
| Measurement time (one strip, 2 lines) | 15 seconds, one strip, 2 lines |
| Reproducibility | Intra-device CV <0.5% |
| | Inter-device CV <2% |
| Technology | Colorimetric lateral flow reader with the IUL's Flash Eye Technology camera - based |
| Languages | Español, English, Deutsch, Français, Italiano, Polski, العربية |

| Technical Specifications | |
|-----------------------------------|--|
| Connectivity | Wi-Fi, Ethernet and LAN connectivity USB Port for Printer Connectivity or SFTP |
| Security & Exportation | HL7 v2.8 compliant. Connections https with SSL TLSv1 TLSv1.1 TLSv1.2 TLSv1.3. Authentication: transport level 2 with token key management Also can export to an external SFTP server or directly from a slim USB |
| Audit Trail | HL7 v2.8 compliant. Connections https with SSL TLSv1 TLSv1.1 TLSv1.2 TLSv1.3. Authentication: transport level 2 with token key management |
| Sample traceability | Datamatrix reading for complete sample traceability |
| Battery | 4h autonomy |
| Dimensions (WxHxD) Including Tray | 177 x 115 x 145 mm / 6.96 x 4.52 x 5.7 in |
| Weight | 625 g / 1.38 lb |
| Screen | 4.3" touch screen |
| Power Range | 100-240 VAC |
| Frequency Range | 50-60 Hz |
| Maximum Power | 18 W |

*Specifications are subject to change without prior notice.

Order information

1. iPeak® 4.3" Lateral Flow Reader 16Gb - CAT. 900033000
2. iPeak® Drawer Customization - CAT. 900020000
3. Ticket Printer - CAT. 90003069
4. Ticket Printer's cable - CAT. 90004874
5. Self-adjusting light drawer - CAT. 900013732
6. Suitcase - CAT. 900013727



Scan the QR code and watch the video



For more information visit us at
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