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 sensivity** to another level.

Track the sample, track the results

Store the images and results of your analysis. 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 without trained specialists.

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.

iPeak® results when mathematics and physics join and convert the iPeak®'s core into the ultimate lateral flow reader.

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.



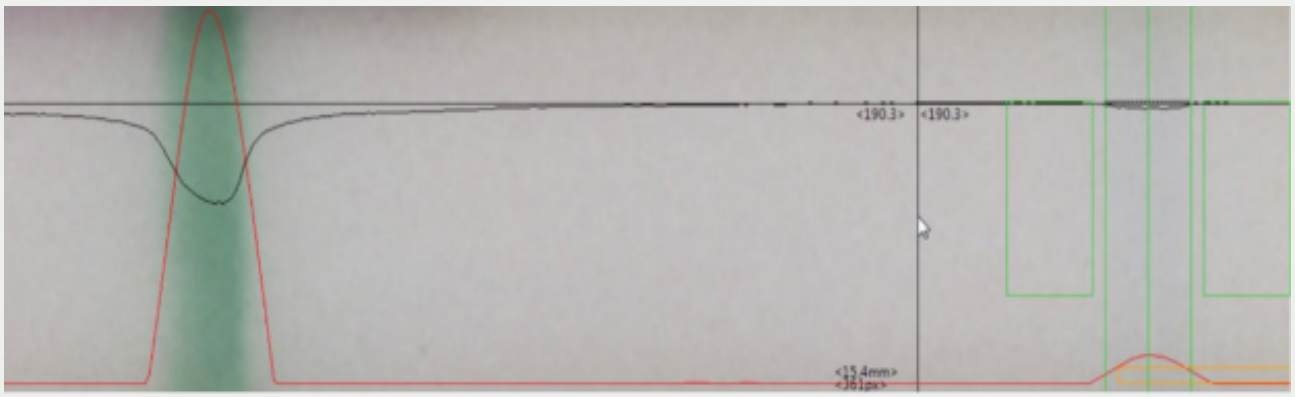
IVD CE

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

Doc. No. 50008413-00

Flash Eye technology

Flash Eye technology is the combination of excellence in image acquisition and processing, and the IUL's know-how. 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, 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 message 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 v2.8compliant. 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**

IVD

CE

bsi. ISO 13485 Medical Devices Quality Management

AENOR GESTIÓN DE LA CALIDAD ISO 9001

Scan the QR code and watch the video

For more information visit us at

iul-instruments.com

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