

OX
90
VX

Fully Automated.
Intelligently Precise.



Fully automatic ARK

The VX 90 is an ophthalmic diagnostic device with refraction, keratometry and corneal radius functionalities. Automatic eye detection, focusing, and measurement—all in one seamless workflow with no manual intervention required in most routine examinations. Delivering fast, fully automated measurements with exceptional accuracy and repeatability.

- Easy-to-Use: Fully automated workflow
- Reliable result - advanced measurement & workflow algorithms
- Moving the fixation target to enable the peripheral keratometry
- Opacity assessment with retroillumination image
- The pupil diameter (PD)
- Motorized chin rest
- Printer : Easy load paper function and automatic cutting
- Responsive Touch Screen: 7 " TFT color LCD



Automatic and simple

The VX 90 obtains three primary measurements:



1

Objective refraction

- The objective refraction includes sphere, cylinder, axis, and pupillary distance.



2

Keratometry

- Central
- Peripheral



3

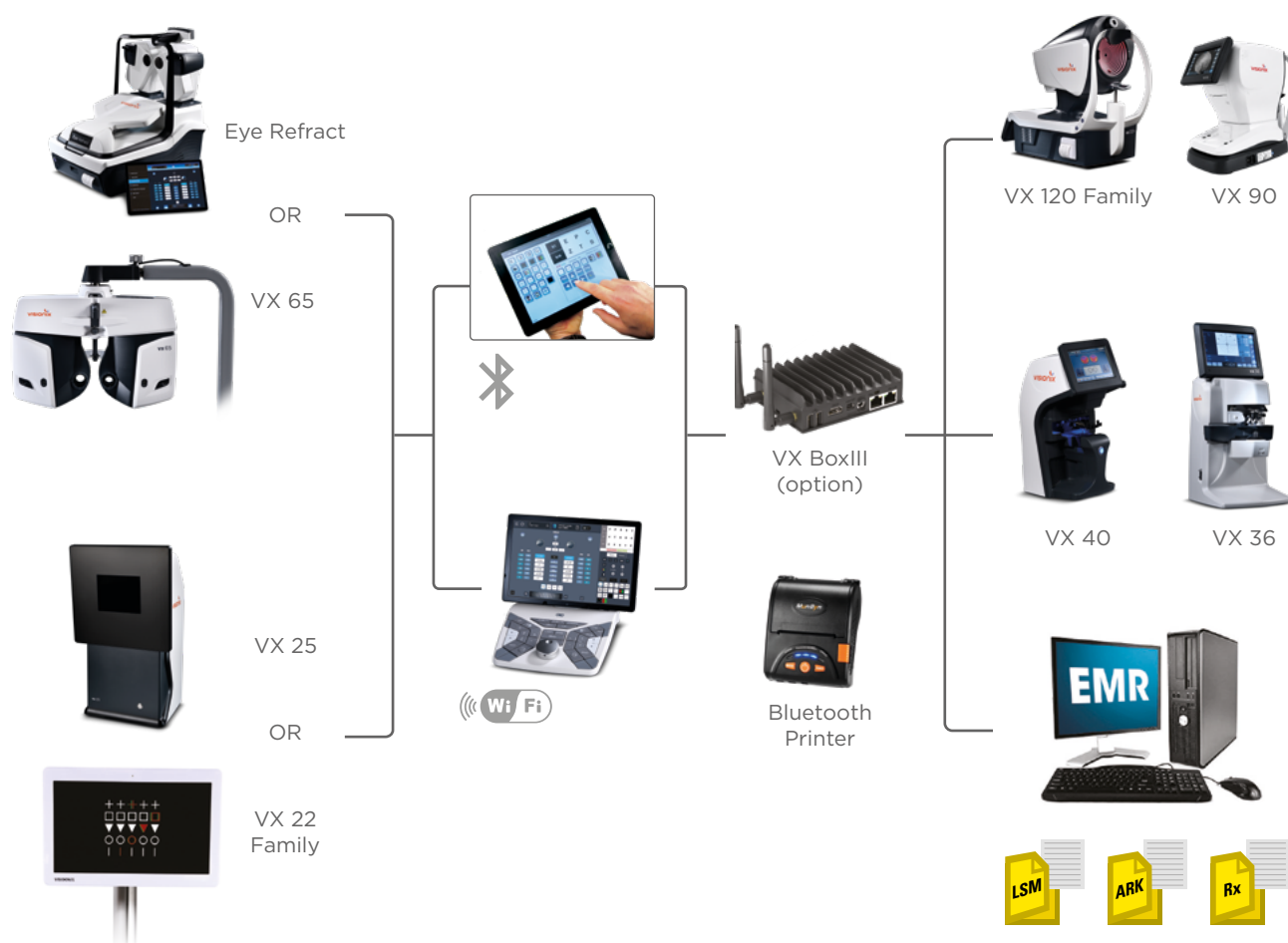
Lens opacity detection

- The backlighting feature allows for illumination of lens opacities.

Integrate with the Visionix suite of equipment and EMR*

- Centralized data management dashboard for seamless integration with external devices and EMR systems.
- Import data from compatible devices, including ARK and lensmeters, via VXbox.
- Export refraction data to your EMR system with a single touch.

* Electronic medical reports



Technical specifications

DIMENSIONS:

WIDTH	487 mm (19.17 in)
DEPTH	262 mm (10.31 in)
HEIGHT	467mm (18.39 in)
WEIGHT	17 kg (37.5 lbs.)
VOLTAGE	100V- 240V AC, 50/60Hz, 75VA
STANDARD	CE0051 CLASS Im

Compliance with
Medical Device Directive 93/42/EC

General

Target Fixation	Auto fog system
Measurement data display	7" TFT colour LCD with touch screen (800x480)
PD Measurement	85 mm measuring range max, 1 mm display unit
Measurement data recording	Built in thermal printer
External output terminal	RS232/WIFI

Measurable range

Power Range	-20 D to +20 D
Power Accuracy	+/- 0.25 D
Astigmatism range	0 to 10D
Astigmatism accuracy	0.25 D
Axis range	0° to 180°
Axis step	1°
Axis accuracy	+/- 5°
Pupil diameter measured	2 mm minimum

Keratometry specifications

Corneal radius range	5 mm to 10 mm
Corneal refractory power	33D to 67D (n=1.3375)
Corneal astigmatic power	0 to 12 D
Astigmatism accuracy	0.02D
Axis range	0° to 180°
Axis step	1°
Axis accuracy	+/- 5°
Measurement diameter	2 mm to 12 mm
Peripheral keratometry	Nasal/Temporal/Superior/Inferior

Manufacturer:
Luneau Technology Operations
2 rue Roger Bonnet
27340 Pont-de-l'Arche
France

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vx 90

Simplified
measurement,
precise results



ARK with auto fog system

The VX 90 is an ophthalmic diagnostic device with refraction, keratometry, and corneal radius functionalities. A moving fixation target with auto fogging minimizes accommodation to obtain the most precise reading.

- Specifically move the fixation target for peripheral keratometry
- Tilttable LCD
- Alignment Indicators
- Printer: Easy Load Paper function and automatic cutting
- Motorised Chinrest
- One-Touch Lock
- WIFI connectivity and EMR integration



Automatic and simple

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Keratometry

- Central
- Peripheral



3

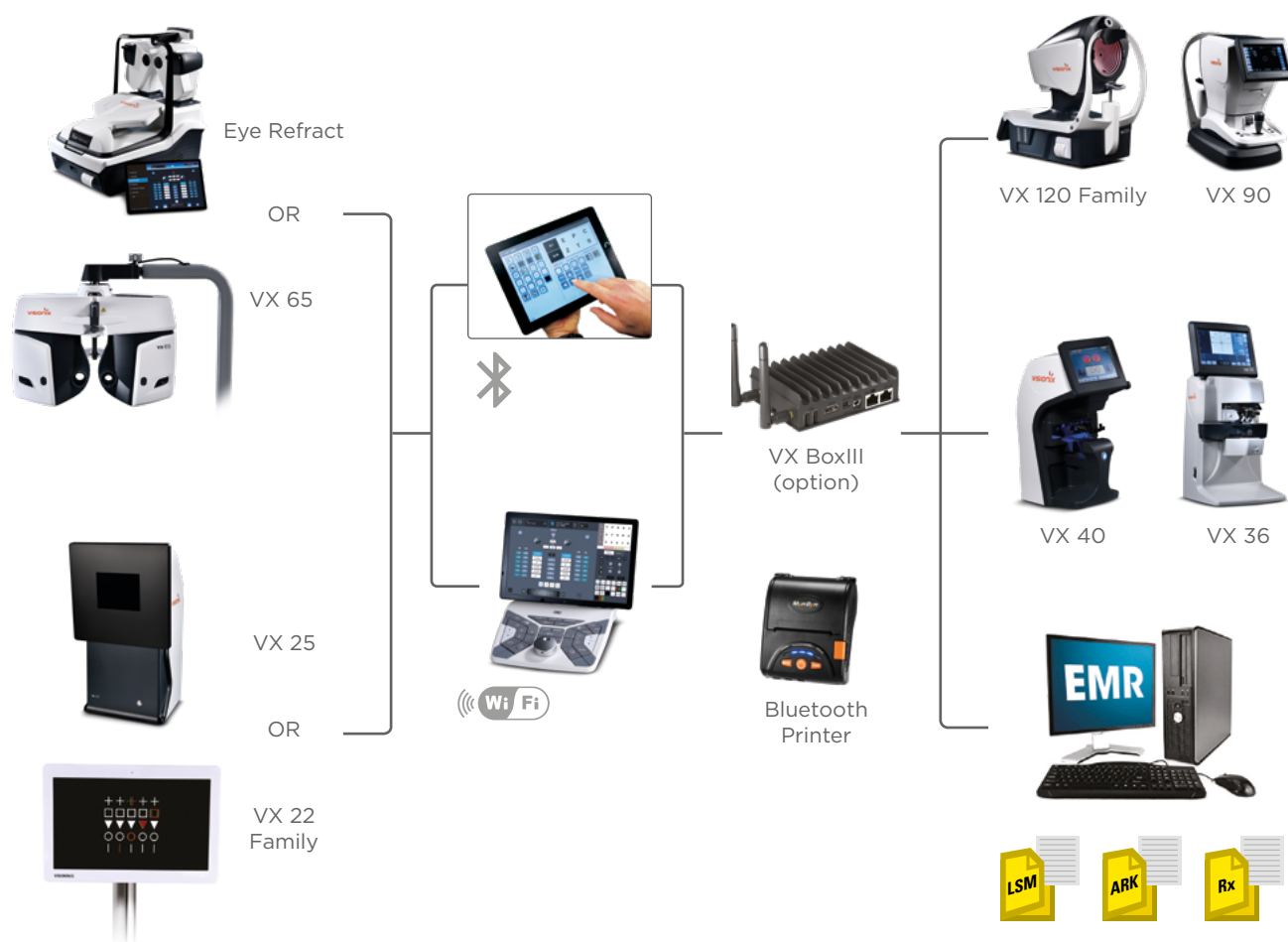
Lens opacity detection

- The backlighting feature allows for illumination of lens opacities.

Integrate with the Visionix suite of equipment and EMR*

- Full data management dashboard to manage your data from external devices (EMR/ARK)
- Import data wirelessly from other devices (such as AR/K and lensometers) via VXbox
- Export refraction data into your EMR system at the touch of a button

* Electronic medical reports



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INNOVATION TO UNLOCK YOUR POTENTIAL

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