



Nobody gives you more

Mobile C-arm systems BV Libra

PHILIPS

Nobody gives

"Your routine specialist"

He's one of your most flexible workers.
He goes everywhere, shows what you need,
and works hard every day - BV Libra



you more

One look at the compact BV Libra and you'll immediately see what a big difference this lightweight fluoroscopy system can make in your fast-paced surgery procedures. You can steer it into the tightest spots – in a flash. Position it right where it is needed with hardly any effort. And easily see what you need with its powerful, high quality fluoroscopic images. All that requiring significantly less radiation.

More for your money

Sound expensive? It isn't. In fact, the BV Libra has the best price/performance value of any system in its segment. With the most advanced features and highest uptime. Which probably explains why Philips is the most popular choice for surgery and has sold more mobile C-arms – over 20,000 to date – than any other brand in the world.

More enjoyable for everyone

People enjoy using the BV Libra more, too, thanks to what we call our “humanware” design. Smooth, form fitting handles and a shapely, but sturdy base, are just a few of the BV Libra's extras that make the system easier to use. Our elegantly curved user interface clearly displays what you need to see.

More use

This lightweight system comes with a 9” image intensifier and is made to go anywhere you need it – surgery, intensive care, outpatient care, and emergency.

And to handle all your routine procedures:

- Orthopedic surgery
- Abdominal surgery
- Neurosurgical procedures
- Thoracic surgery
- Vascular procedures

The Philips BV family

BV Libra: the routine compact. This system provides on-the-spot imaging for routine procedures, and is so small and easy to move that you forget it's even there.

BV Endura: the versatile workhorse. Do routine and vascular procedures, without slowing down. And grow your revenue base along the way.

BV Pulsera: the interventional powerhouse. Take on the most challenging dynamic imaging procedures and deliver your best work yet.

The easiest system

Let's face it, your mobile X-ray system gets intensive use – from a variety of people in crowded situations. So the simpler it is, the better. The BV Libra is a practical system for everyone to use. Easy to steer, position, and operate.

Move it and position it – in the most crowded areas

Get the BV Libra where you need it in a flash. The system's precision steering and tight turning circle helps you carefully weave through the most crowded corridor and turn in the tightest space. Once in place, its compact, lightweight design makes it easy to position and work around.

Operate it – without thinking twice

Everyone can easily operate the BV Libra – without having to keep checking the manual. The controls are laid out in a logical fashion. With a minimum of functions and menus, so you can easily get the right image. And the flat display panels make it easier to clean between exams, too.



Time saving extras

- Philips sophisticated parallel movement virtually extends your field of view for spinal procedures, so you can easily image the entire procedure in one go.
- Our unique BodySmart software gives you the best image contrast, right away. It finds, tracks, and precisely defines the field of view to anatomy – no matter where it is on the image intensifier.
- Settings like contrast, brightness, and edge enhancement are performed in real-time on images before they are displayed. So you see the best image right away. And don't have to make further adjustments.

you'll ever use



The sturdy wheels easily glide over a variety of surfaces and special deflectors move cables out of the way for you.



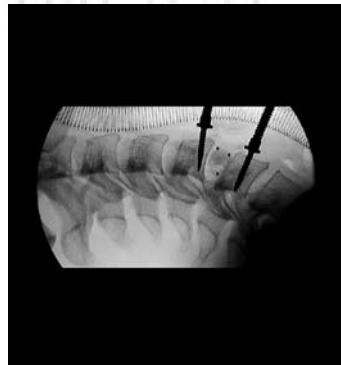
Get smooth, consistent images over a large scanning range with the stand's parallel movements.





Imaging extras

- Philips real pulsed fluoro mode cuts dose in half.
- Our automatic movement detection eliminates motion blurring for viewing dynamic studies.
- You get more consistent images with Philips' unique BodySmart software. It finds, tracks, and precisely defines the field of view to anatomy – no matter where it is on the image intensifier. So you quickly get the best image, time after time.
- Automatic Shutter Positioning automatically collimates with just one push of a button – improving IQ



The Libra's high quality fluoroscopic images take the strain off your eyes, too, making it easy to see even the finest details when positioning needles or orthopedic implants.

Your best images, time after time

When you're in the middle of an operation, the last thing you need is a blurred image that you have to adjust. The BV Libra quickly gives you the best fluoroscopic images available. And our real pulsed fluoro mode provides excellent quality images at half the dose of normal fluoroscopy. You get the best possible images – the first time, every time. At a drastically lower dose level for you and your patients.

Crisper, clearer images

The 9" triple-mode image intensifier can handle all your routine procedures including vascular functionality (subtraction and remasking). Both feature Philips' optimized imaging chain that includes our Charge Coupled Device (CCD) technology and patented anamorphic lens. Meaning you get superior resolution and an outstanding level of coverage and detail visualization for all your applications.

More imaging power

Philips highly efficient X-ray componentry gives you the power to go the distance in longer studies without overheating. Thanks to our exceptional heat management capabilities. The result is fewer delays and longer performance, exam after exam. Plus, our advanced automatic high penetration mode gives you full contrast for the steepest projections, like lateral hip exams.

Tailored to your viewing needs

The BV Libra's mobile view station is equipped with Philips flat screen LCD monitors on a fixed suspension. These flat screen LCD monitors can be mounted on a flexible arm, allowing them to be placed in the most optimum viewing position.



Protecting you and



your patients

Many medical imaging manufacturers talk about dose protection, but Philips Medical Systems builds it into their systems – from the ground up. With every new system, we look at how we can incorporate better shielding and improve our X-ray exposure to further reduce dose. That means before you even put on a lead apron, Philips has done their utmost to protect you and your patients from unnecessary dose.

Less direct and scatter radiation

Our real pulsed fluoroscopy mode also cuts the dose of normal fluoroscopy in half, while providing excellent quality images. Philips unique beam filters reduce the patient skin dose by 40% over conventional filters. Philips lead shutters can be rotated and moved independently of each other to provide real protection against direct radiation and reduce scatter radiation. And with the Automatic Shutter Positioning you can position the shutters according to the region of interest, with just one push of a button.

Less dose usage

Several options lower your overall dose usage during procedures. The laser aiming device projects a laser cross on the patient that corresponds to the center

of the X-ray beam, letting you position the C-arm without applying radiation. And you can adjust shutters and image orientation while on Last Image Hold (LIH) without applying radiation.

More awareness

Another important way Philips can help protect your patients from dose is by helping clinicians become better informed about actual dose levels during exams. Philips mobile C-arms provide real-time feedback on the actual dose usage and the effects of collimation and field of view on dose.

So you can quickly take appropriate measures to adjust the amount of dose. We also provide a quantitative dose report after exams for recordkeeping.

Less is more with Philips DoseWise

- Real pulsed fluoroscopy mode saves half the dose of normal fluoroscopy
- Unique beam filters reduce patient skin dose by 40% over conventional filters
- Independently movable lead shutters provide better radiation protection than semi-transparent shutters
- Adjust shutters and image orientation on Last Image Hold without applying radiation
- Get real-time feedback on actual dose usage during exams
- Automatic Shutter Positioning automatically collimates with just one push of a button.

Feel safe with

Stay up to date

Add options and accessories at your pace to keep your Philips mobile C-arms up-to-date. Future upgrades can be easily incorporated, as you need them.

Accessories, like the paper/transparency printer, Medical DVD Recorder and integrated laser alignment tool, can also help you work more efficiently. Of course, all of these extras can be easily accommodated in the BV Libra's Mobile View Station for your convenience.

Stay efficient

Philips mobile C-arms have a fully integrated DICOM connectivity solution. This user friendly connectivity option meets your most demanding requirements such as:

- Full RIS/HIS compatibility allowing patient demographics to be imported into the BV family system, including Modality Performed Procedure Step (MPPS) to report examination status to the RIS/HIS, Modality Worklist Management and Storage Commit.
- Exporting single images or complete examinations onto your hospital network (printers, archives, workstations, etc.), where Storage Commit ensures reliable archiving of images. Images can be exported using a DICOM Secondary Capture or a DICOM XA format.

Stay productive

Philips has a range of tailor-made maintenance and support programs that will help you continue to get the most out of your equipment, long after your purchase. Application support and other customer support programs can keep your staff up to date on the latest clinical trends.

Gentle on the environment – and the operator

At Philips we feel responsible toward society and the environment. During the development of the BV family society and environmental aspects were continuously kept in mind. For example the BV Libra provides excellent image quality at the lowest dose possible and is a user-friendly system to work with. The system is compact, light and easy to manoeuvre. By eliminating lead counterweights and usage of lighter materials in the construction, we addressed the environmental friendly aspects of the products. Creative thinking helped us reduce the packaging weight and volume.

The environmental impact of the BV Libra is in total 66% less than its predecessor.

Philips

Philips invents for you

Philips launched the mobile C-arm in 1955 and has continued to open new possibilities for surgery:

- First mobile C-arm
- First to introduce Last Image Hold
- First with CCD camera technology and anamorphic lens for better image clarity
- First 12" field of view for mobile systems
- First ViewForum Surgical Workstation
- First to introduce Automatic Shutter Positioning.



**Philips Medical Systems is part of
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Interested?

Would you like to know more about our imaginative products? Please do not hesitate to contact us.

We would be glad to hear from you.

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design award
winner
2001



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