



## **ECR 2014: World Premiere of Shimadzu's Mobile C-Arm System**



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New mobile C-arm system combines outstanding ease of use with excellent image quality

Opescope Acteno provides advanced imaging technologies

Exclusively from Shimadzu: quicker height adjustment of vertical C-arm movement

New dose management with special features

Shimadzu, world-wide manufacturer of diagnostic imaging equipment, will present a world premiere at the ECR 2014 in Vienna: the new mobile C-arm system Opescope Acteno. The innovative surgical C-arm meets the requirements of operating and emergency rooms – with easy positioning and optimal performance.

Opescope Acteno combines brilliant imaging quality with simple operability. The counter-balanced C-arm can be positioned easily and precisely. The exclusive manual vertical C-arm movements enable much quicker height adjustments in routine operations.

### **Large C-Arm but Compact Body**

The enlarged 78 cm wide C-arm facilitates approaches to the patient and reduces the risk of contact with the operating table. Nevertheless, Acteno is very compact – its small system width of only 80 cm facilitates moving through narrow doors as well as manoeuvring in smaller and busy operating rooms with large numbers of surgical devices and staff. The internal cables on the C-arm ensure easy cleaning – a significant hygienic benefit.

The All-Free Button at the image intensifier is a unique feature to release the electro-mechanical arrest on the C-arm. The operator can conveniently position the C-arm without the need to go back to the cart unit.

### **Imaging and High-Performance Technology**

The 1M high-resolution CCD camera combined with the advanced imaging technologies of Shimadzu provide outstanding image quality. X-ray conditions can be easily set via a large touchscreen on the C-arm unit, where the operator can also choose between simple mode and expert mode. Optionally, the screen can also display the fluoroscopic images.

### **New Dose Management**

Acteno incorporates special functions to ensure high image quality while reducing X-ray exposure, even during long surgical procedures. Pulsed Fluoroscopy, Multi Beam Hardening filters, and Virtual Collimation on the LIH (Last Image Hold) are examples of these functions.

In addition, the area dose product is displayed in real-time on the touchscreen and the screen on the monitor cart.

Source: [Shimadzu](#)

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