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Samsung launches R20 Ultrasound System in India by redefining general imaging with Next-Gen AI

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Equipped with AI-driven automation tools and an ergonomic design



Samsung, India’s largest consumer electronics brand, has announced the launch of its super-premium, next-generation R20 ultrasound system for general imaging.

The R20 represents a major leap forward in general imaging, combining advanced artificial intelligence tools, superior image clarity, and an ergonomic design focused on clinician comfort and efficiency.

Built on Samsung's state-of-the-art Crystal Architecture™, the R20 delivers exceptional image uniformity, resolution, and penetration across a wide range of general imaging applications. Its next-generation imaging engine, powerful GPU, and ultra-high-definition OLED monitor provide clinicians with remarkable visualization and diagnostic confidence in every scan.

The R20 is equipped with a comprehensive suite of AI-powered clinical and workflow enhancement tools that streamline complex procedures and automate repetitive tasks. Key technologies include:

- Live LiverAssist – Detects a suspicious focal lesion during live ultrasound scan
- Live BreastAssist – Real-time detection of Breast lesions with BIRADS Classification and reporting.
- Auto measurement tools – AI-based automatic detection, measurement of internal structures with guided reporting for high consistency and maximum throughput
- Deep USFF – AI Based Deep Ultrasound Fat Fraction quantification with proven high correlation to the gold standard, i.e., MRI PDFF

"The R20 embodies Samsung's commitment to advancing healthcare through intelligent innovation. With AI at its core and a focus on both image excellence and clinician comfort, the R20 is a paradigm shift in ultrasound technology helping doctors ensure detection of lesions during live scanning," said Atantra Das Gupta, Head of HME Business, Samsung India.