

LOGIQ C5*

Ultrasound System

Fact Sheet

What challenge does the LOGIQ C5 address and what solution does it create?

Clinicians want to provide the highest quality of healthcare to their patients. In many countries, clinicians need low-cost medical devices that help provide simple solutions for diagnoses and procedures. The LOGIQ C5 is an ultrasound system designed to help provide advanced capabilities at a lower cost. One feature, color Doppler, indicates the presence or absence of blood flow, as well as its direction and estimated velocity. In rural China, for example, many physicians find it difficult to detect abdominal disease with a lower-cost black-and-white ultrasound scanner. Now, with the affordable LOGIQ C5 with color Doppler, physicians may be able to detect blood flow and diagnose disease earlier. Similarly, in rural parts of India, many OB/GYN specialists could use color Doppler in their preliminary assessment of high-risk pregnancies. Color Doppler can help them image the umbilical cord and placenta, to help assess the health of mother and fetus.

The LOGIQ C5 is tailored for physicians who need advanced features for specific exams, instead of the complete set of features a specialist would need. The system also is designed to be affordable and user friendly. Having this technology helps give physicians increased diagnostic confidence and improve patient care.



*Not commercially available in all markets. Not for sale in the US, Japan, or Canada. Not cleared or approved by the US FDA.



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Target market.

The LOGIQ C5 is designed for general practitioners, as well as for physicians practicing in private clinics for mother and child care, and small hospitals primarily in developing regions such as China, India, Eastern Europe, Association of Southeast Asian Nations (ASEAN), the Middle East, and Latin America.

How does the LOGIQ C5 increase access, improve care, and decrease costs?

Increased access: Physicians working in rural and remote regions find it difficult to adopt the latest technologies due to the cost of products and lack of access to training. The fundamental strategy behind development of the LOGIQ C5 was to make it highly affordable and user friendly, so that physicians can own it and make use of advanced features, such as color Doppler and multiple transducers, that GE has migrated from its premium ultrasound platforms.

Decreased cost: The LOGIQ C5 not only helps physicians with the low cost of ownership, it also can translate into saving time and money for patients. They no longer would need to travel to larger cities to get an ultrasound scan completed. After an exam with the LOGIQ C5, a physician can assess the patient's condition and determine whether next steps are needed, such as a visit to a specialist.

Physician testimonials.

Dr. Kuang Lun, director of an ultrasound department in Changsha, Hunan Province, China and Dr. Bogdan Farcas, PhD, an obstetrician in Satu Mara, Romania said they could provide more scanning applications and have the ability to deliver a higher quality of care to their patients, at a lower cost, after purchasing the LOGIQ C5 with color Doppler.

Physicians in China and India reported that previously they were sending between 15–50 percent of their patients to centers in larger cities for scans. However, after purchasing the LOGIQ C5, they now send only 5 percent of their patients. Physicians in other countries reported similar results. This helps save time and money for patients, because travel to a larger city can cost the patient between \$2–\$30 USD. Physicians also indicated that with the increased ultrasound capability in the LOGIQ C5, they are able to scan up to 20 percent more patients in a month, thereby supporting their mission of improving community healthcare.

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