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With A.l., We lmprove Human Life

Infervision
Email: Contact@infervision.com
Website: www.infervision.com

inferVISION

Advancing Technology, Inspiring Healthcare

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COMPANY OVERVIEW

Since 2015, Infervision's team has been devoted to the clinical applications of artificial intelligence and deep learning technologies, and officially founded the company in January 2016. Since that time, Infervision has been using deep learning technologies to analyze medical imaging data of different modalities such as DR, CT, and MRI, providing highly precise and useful tools to medical professionals, alleviating high workload pressure and empowering healthcare professionals with more capabilities. Infervision strictly adheres to the principle of "From the clinic, To the clinic," providing innovative solutions tailored to doctors and patients.

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Research Driven

R&D is the foundation and core of Infervision. The Infervision team is composed of nearly 60% R&D personnel with outstanding talents and researchers from world-renowned academic institutes including the University of Chicago, Cambridge University, Duke University, the Chinese Academy of Sciences, Tsinghua University, and the University of California. Infervision has teamed with top hospitals since 2017 and successfully published over 50 journals and conference papers at RSNA, ECR, and CCR; with many others.

Service to the Frontline

Infervision closely follows clinical needs and makes practical applications to the clinical environment; becoming the doctor's partner in the daily workflow including diagnosis, treatment, follow-up, and research work. To date, Infervision has partnered with over 300 top hospitals worldwide, and assisted in more than 40,000 cases. Infervision's products have been effectively applied in diseases related to chest, brain, bone, mammo and pediatrics.

Global Landscape

Infervision is headquartered in Beijing with offices across China. Infervision is also in North America, Asia-pacific regons, and Europe. In November 2018, the "iCR-inferVISION Global Clinical Collaboration Research Institute" was formally established, which helped launch Infervision's global strategy on scientific research and further cultivate the integration of health care AI and clinical science.

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Infervision Milestones

Team formed

Apr 2015

Jan 2016

Infervision company founded

Pre-series A: Received funding from Innoangel found and Powercloud venture capital

Feb 2016

Jan 2017

Series A: Received fundings from Sequoia Capital and GF Securities

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Infervision Japan & Infervision North America founded

Sep 2017

Nov 2017

Certified as Tokyo Strategic Special Region High-tech enterprise

Certified as Chinese National High-tech enterprise

Dec 2017

Feb 2018

Received series B fundings

Received series C1 fundings
Infervision Europe founded

Nov 2018

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PRODUCTS

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A large amount of patient data is generated during diagnostic procedures. Infervision has been involved in all treatment scenarios including outpatient, inpatient, and emergency, and has product lines covering all six major body systems including the Cardiovascular, Respiratory, Musculoskeletal, Neurological, Digestive, and Reproductive systems.Infervision is leveraging machine learning and augmented intelligence for disease visualization and quantification, assisting physicians with diagnosis, treatment, and follow-up procedures.

After over four years of dedicated effort, Infervision has gained great expertise in imaging, serving the clinical demands and satisfying various needs from different medical institutions. Infervision's products are tailored for clinical excellence, and provides patients, physicians, and hospitals with advanced AI tools.

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InferRead™ Solutions

InferRead™ Suite

Infervision products are designed using the most advanced deep learning algorithm, Convolutional Neural Network (CNN), to mimic human cognitive functioning. Coupled with intense training from data of immensely high quality and large quantity, the model can automatically determine patterns and become smarter by iterations through time.

Infervision's InferRead™ Suite integrates into the clinical workflow, providing imaging diagnosis assistance for comprehensive body areas including head, lung, and skeleton as the ultimate suite of assistive imaging tools.

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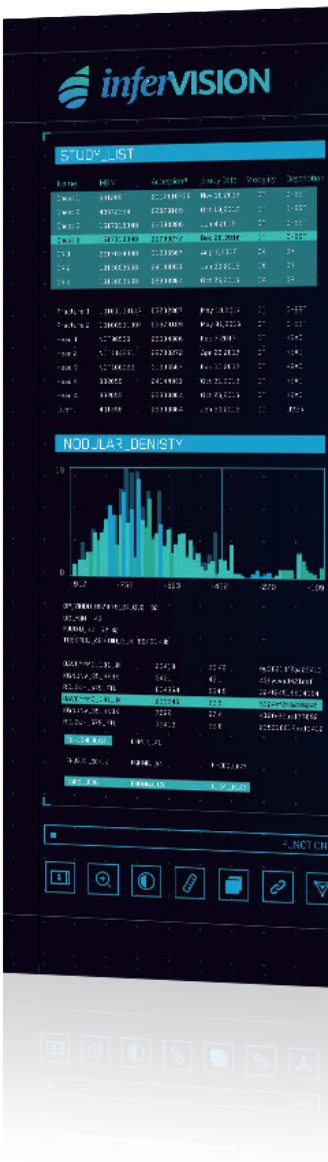
InferRead™ CT Lung

Efficient · Accurate · Clinically-integrated



- Highly sensitive, even to subtle nodules that are easily missed, such as solid nodules under 8mm, groundglass nodules, etc.
- Automatic identification and labeling of different types of nodules, e.g.,solid, calcified, partial solid or ground glass.
- Comprehensive and accurate information on nodules, including location, size, density and probability.
- Co-registration and comparison with prior studies.
- Real-time feedback system for continuous optimization and upgrading.
- Integrated with popular reporting systems.

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InferRead™ CT Lung is rapidly becoming the standard in assisted diagnostic systems

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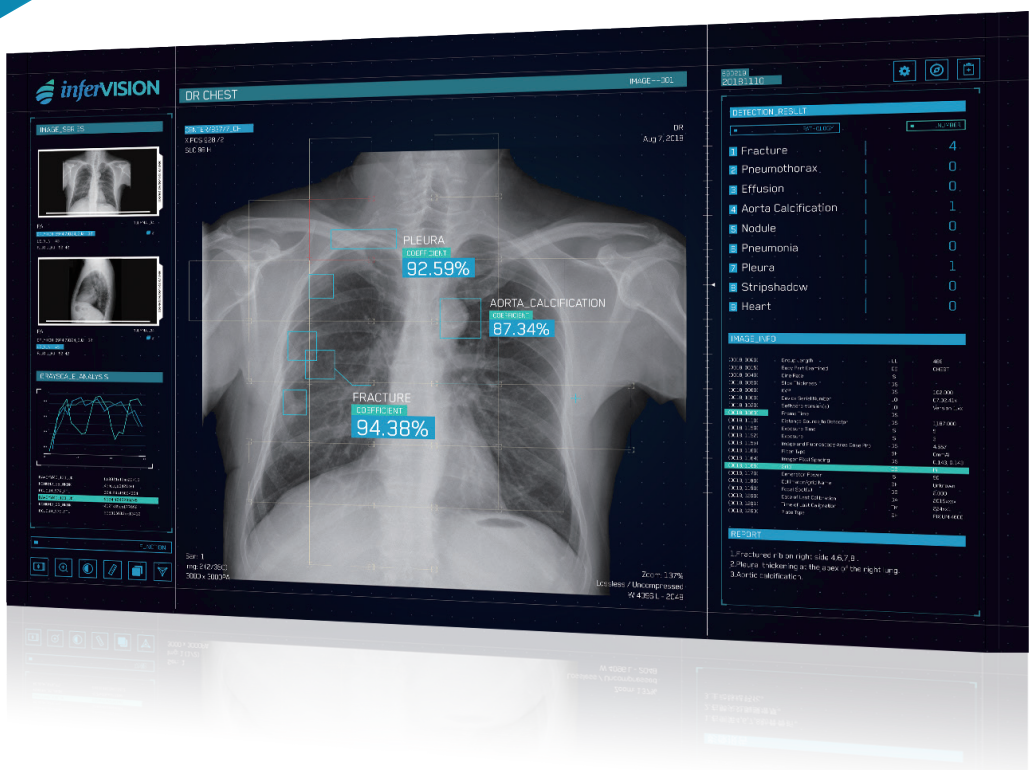
InferRead™ DR Chest

Increasing Diagnostic Accuracy, Empowering X-Ray Imaging



· Provides tools to detect and mark lesions, including nodule, bone fracture, and pneumothorax.

· Redefines the value of X-Ray: Helps reducing missed-diagnosis and provides higher detection rate.

· Constant model iterations and updates for lower false positives and missed diagnosis.

· Restores the enormous power and value of DR-based clinical diagnosis.

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- Immediate results with rapid cerebral hemorrhage detection, segmentation and precise quantification of bleeding area.
- Validated lower volume error compared with traditional ABC/2 estimation.
- Accurate static and dynamic assessments for fast diagnosis, saves every second within the "golden hour"for stroke patients.
- Assists with post-surgery assessment for improved care planning.

InferRead™ CT Stroke

Fast · Precise · Clinical-integrated

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InferRead™ CT Bone

Effective · Sensitive · Simple

· Designed for multi-scenario detections with a rich variety of labels; Capable of identifying lesions at the sternum, rib cage, and shoulder blade locations.

· Highly sensitive to very minor bone lesions.

· Improves workflow for bone lesions; streamlined listing review with lesion location, type, etc.

· Reduces reading and reporting time.

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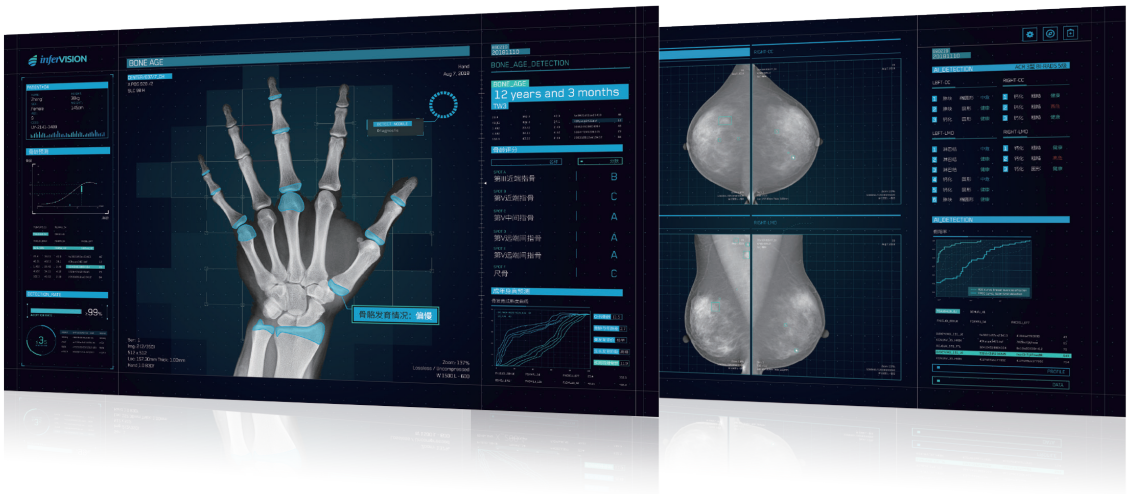
InferRead™: Additional Solutions



InferRead™ Bone Age

InferRead™ Mammo

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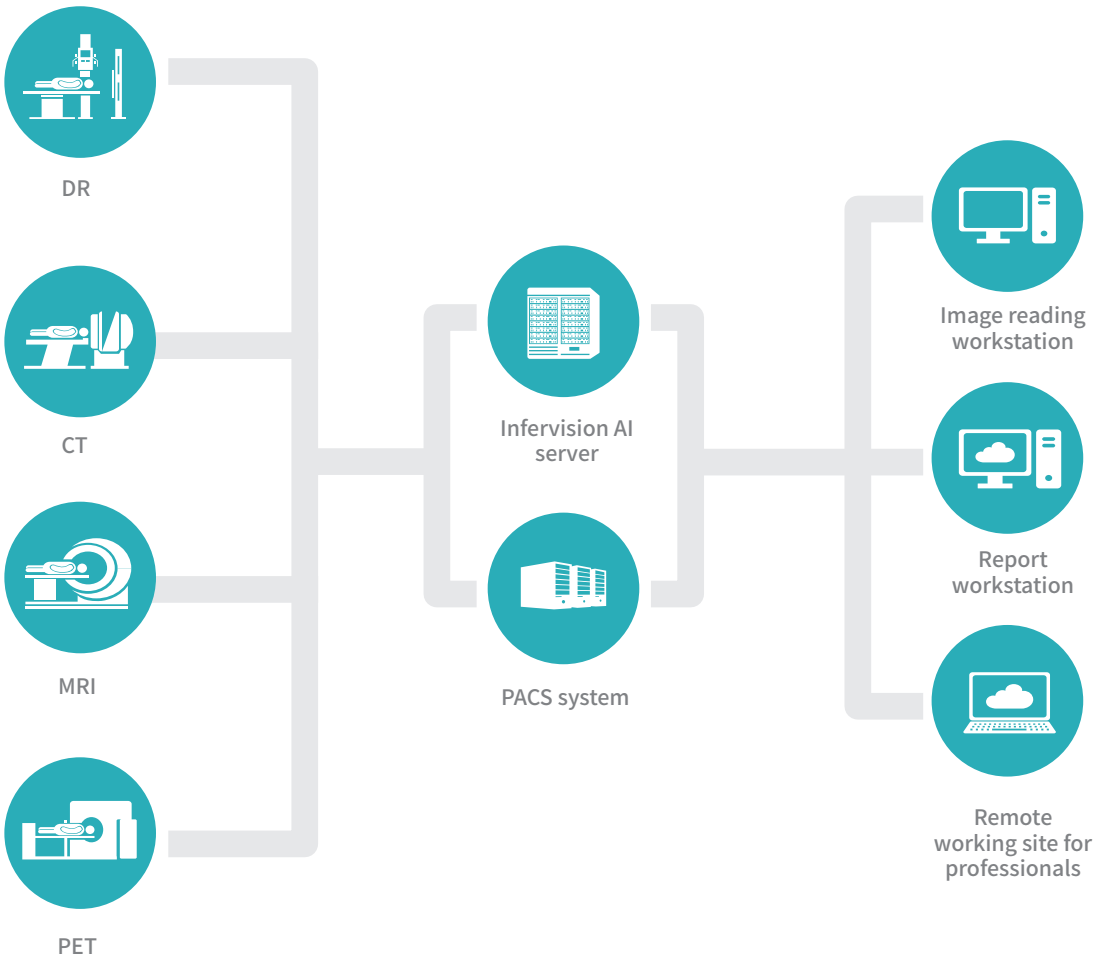
PRODUCT DEPLOYMENT



Local Pathway

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Infervision's products are designed for dual-path deployments: local and cloud based, satisfying the needs of all clients. Data is deidentified and the quality is assessed prior to upload and processing to protect privacy and maximize system efficiency.

Cloud Deployment

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InferScholar™ Center

InferScholar™ AI research platform

InferScholar™ Center empowers medical research with deep learning. The system enables physicians with limited or no coding experience to conduct scientific research through deep-learning analytical tools with a graphical user interface.

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InferScholar™ Center

Turn-key, Graphical interface

No coding experience required for deep learning research

Integrated with over 50 leading edge deep learning algorithms

Processes imaging and reporting data from all modalities

Meets the diversified needs of scientific research in all clinical subjects and departments

Multi-center federated learning

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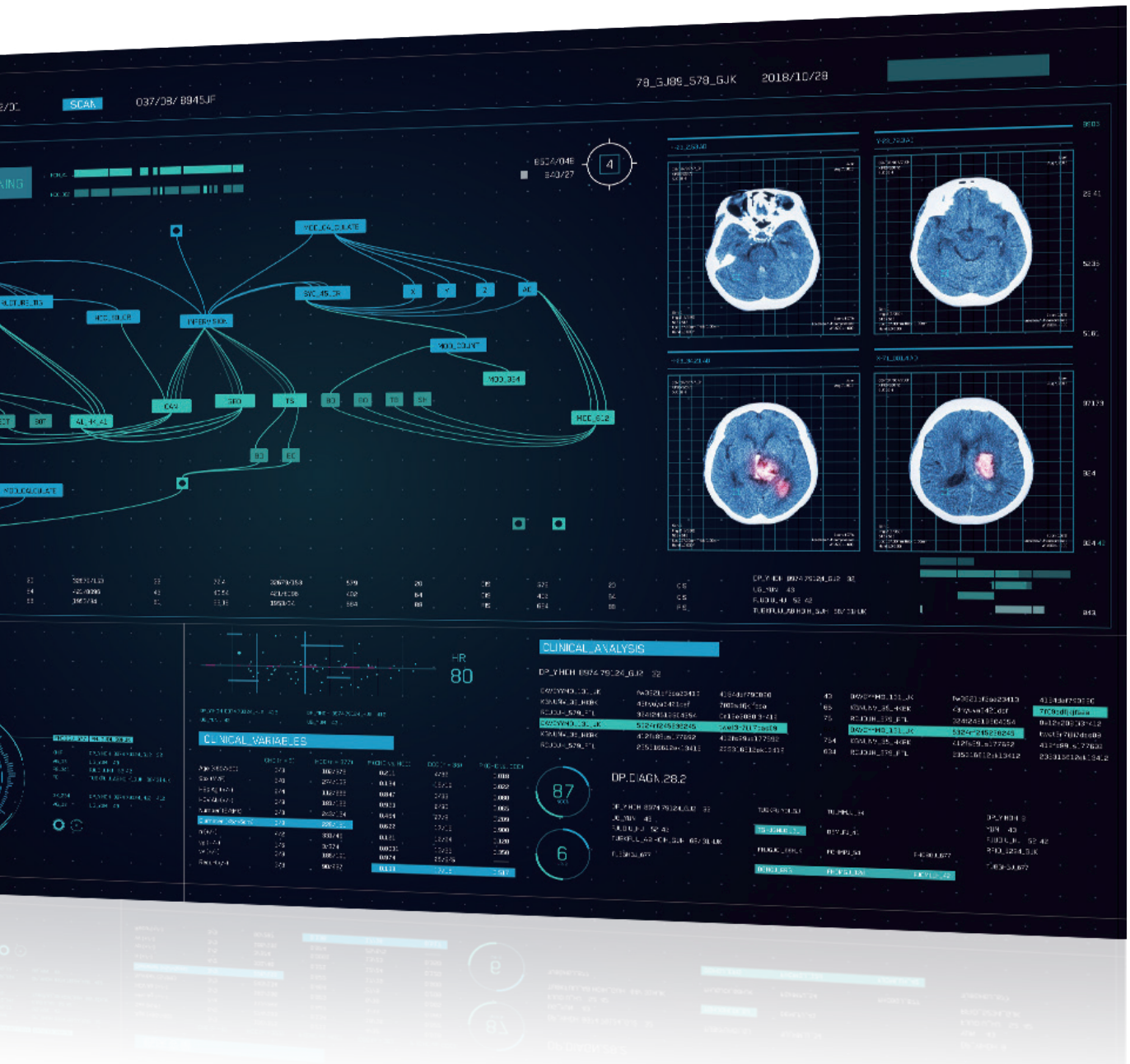

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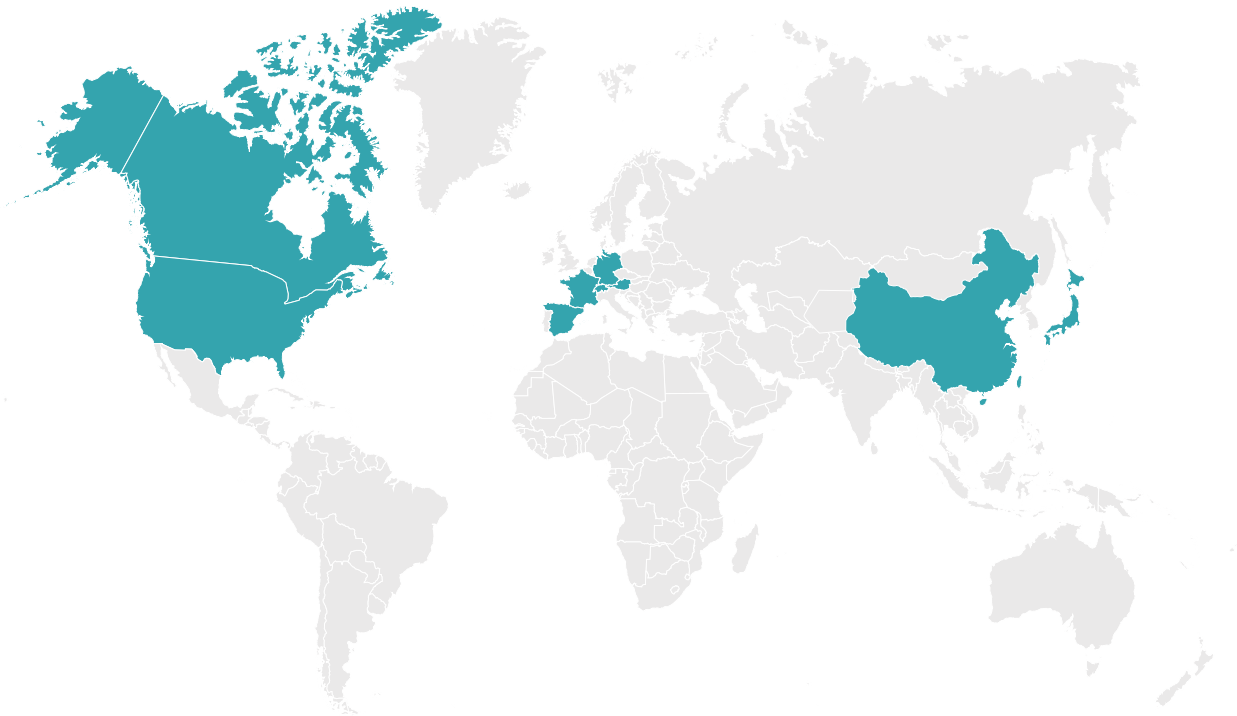
Infervision devotes its efforts entirely for clinical applications — With over 300 top hospitals using Infervision's AI products and more than 40,000 daily diagnosis cases, Infervision AI is becoming the clinician's preferred partner in assisted-diagnostic systems.



- China
- Germany
- Spain
- Japan
- U.S.A.
- Switzerland
- Austria
- Canada

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GLOBAL PARTNERS

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