

The leading company of
precision imaging systems



ISO-9001, ISO-13485

Corporate Headquarters

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www.viewworks.com

The leading company of precision imaging systems

Vieworks is creating new standards by providing innovative vision and insight for all.

Since its development in 1999, Vieworks has developed structural technologies such as optics, mechanics, electronics and software. Vieworks has improved the integration of them in more efficient ways for more creative optoelectronic imaging solutions.

In order to provide more value to customers, top Vieworks executives as well as its entire staff have been hard at work doing their utmost to listen to customers' voices. It is one of Vieworks top priorities to have a strong affinity with its customers and to supply more customer-friendly products and services for them.

Vieworks supplies a variety of imaging systems such as its proprietary optics, medical cameras, industrial cameras as well as its imaging solutions such as medical image acquisition devices and industrial purpose image grabbing devices.

Vieworks is cooperating with many medical system manufacturers by OEM to provide a full range of advanced digital imaging solutions.
We also provide the most advanced camera systems for industrial purposes and the most efficient AOI (Automatic Optical Inspection) systems.

The company has obtained ISO 9001:2000 certification and ISO 13485:2003 certification for quality management in our R&D and manufacturing processes.

Vieworks continues to listen to its customers from all over the world. It strives for ongoing innovation in order to provide the best possible products for its customers.

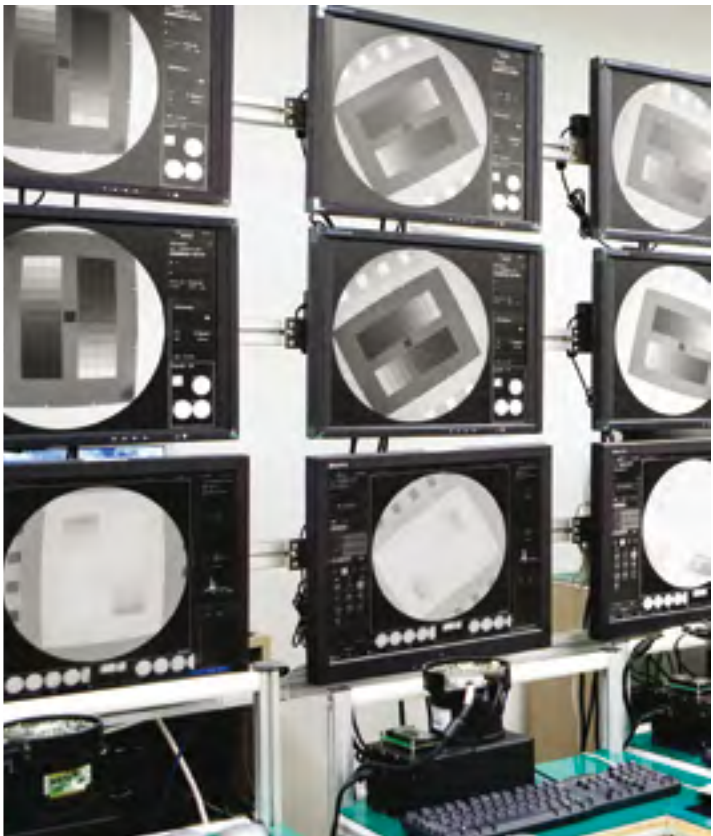


Vision

- To expand our leadership as the most preferred supplier of medical imaging solutions
- To achieve leadership as the most preferred supplier of industrial imaging solutions
- To create new solutions providing better vision to human beings

Vieworks operates in the following values

CREATIVITY	thinking in a different way to create new value
PASSION	working with pride and enthusiasm
PROFESSIONALISM	taking responsibility for performance and reliability





CEO Message

Vieworks has been able to be incredibly successful since its foundation in 1999 by virtue of its valued customer-oriented philosophy and contribution. Hence, major concerns we always bear in mind are: making our customers happy with our solutions, and contributing to a better quality of life for everyone.

The company name, Vieworks means ‘Creating Value by Providing Better View’, in which the corporate philosophy is indwelling. Centering on precision imaging technology, Vieworks has invested a great deal in core technologies of digital image processes, high precision optics, signal processing for image sensors, and opto-mechanical designs, etc.

The competitiveness of the company lies in accumulating innovative technologies, knowing what our customers need and providing a proper solution to such demands. Today, Vieworks is expanding its role by contributing to various kinds of customer needs in developing innovative new technologies with extended applications. The greater our customer satisfaction grows, the more we feel a sense of responsibility to continue providing such technologies. We will remain close beside our customers and continue to provide for them.

CEO | Hooshik Kim

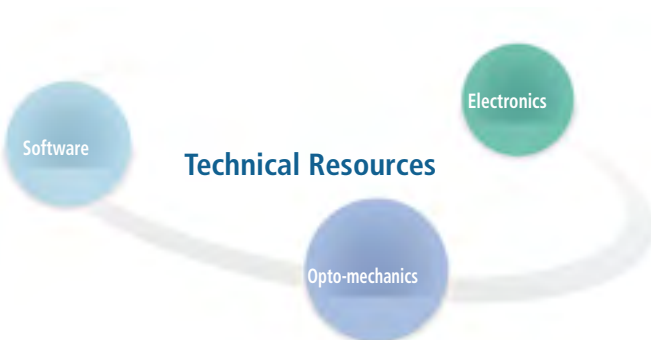


History

2012	May. Apr. Jan.	FDA certified: ViVIX Selected as 2012 KOSDAQ Hidden Champion by KRX CE certified: ViVIX
2011	Oct. Aug. May.	Commercially launched the world's first 260 megapixel VN Series CCD cameras Commercially launched Flat Panel Detector: ViVIX-S Appointed as World-Class Advanced Technology Center (WATC) by Ministry of Knowledge Economy
2010	Nov. Apr. Jan.	Commercially launched the world's first 96 megapixel VN Series CCD cameras CE certified & FCC approved: Industrial cameras CE certified: Slimpac II (C-arm)
2009	Sep. Jul. May. Apr.	Health Canada certified: QXR-9/16 FDA certified: QXLink CE certified: Slimpac II (RF) Listed on the Korean securities market (KOSDAQ)
2008	Dec. Aug. Apr.	Awarded \$10 million Export tower prize at the 45th Annual Trade Day commercially launched industrial cameras FDA certified: QXR – 16
2007	Dec. Dec. Nov. Jan.	Selected as World Class Product of Korea by KOTEF Won a Grand Award of HITEK 2007 FDA certified: QXR – 9 CE certified: Maxxray, QXR - 9/16, Slimpac
2006	Nov. Jul.	Changed Corporate Identity to Vieworks Co., Ltd. Commercially launched CCD Type Digital Radiography Detector: QXR-Series
2005	Oct. Jun.	Commercially launched Digital Fluoroscopic Imaging Solution: Slimpac RF UL certified: Maxxray
2004	Oct.	ISO 9001 & ISO 13485 certified
2003	Jun.	Acquired UL Certificate: Maxxray
2002	Oct.	Commercially launched Digital Fluoroscopic 1.0 Megapixel Camera
2001	Oct. May. Mar.	Commercially launched CCD Type Digital Radiography Detector: Maxxray Commercially launched X-Ray Bone Mineral Densitometer Detector: RXDM - 0405 Established R&D center
1999	Oct. Sep.	Development Contract with MEDISON for Digital Radiography System Lens Coupled Established Raysis Co., Ltd.



Technologies



The most powerful driving force that enables Vieworks to become a leading developer and manufacturer of the most customer-satisfactory imaging systems is its structural technologies such as optics, mechanics, electronics and software. The strength of Vieworks lies in its capability of all-in-house design and quality control based upon its possession in all these structural technologies in house.



Opto-mechanics

A wide range of structural technologies especially in optics and mechanics has been a technological foundation of Vieworks. Based upon its expertise in opto-mechanics, Vieworks has developed a variety of imaging solutions combining with electronics and software.

Accumulation of Vieworks opto-mechanical technology consists of:

- Design of a variety of optical systems & analysis technique
- Design of opto-mechanical systems & manufacturing technique
- Measurement of optical performance & technical evaluation
- Design of the structural mechanism & simulation
- Reliable applied technology in anti-vibration and anti-noise
- Design of new products & expertise in transferring to mass production

Electronics

Through its long experience and expertise in image processing technology, Vieworks has accumulated its proprietary technologies in electronics and hardware consisting of:

- Applied circuit design of image sensors
- Low noise analog circuit design
- Digital image processing
- Applied design of microprocessors
- X-ray detector system integration
- X-ray radiation analysis
- Measuring and analyzing of the characteristics of X-ray detectors
- Interfacing with X-ray generators

Software

Superior performance and reliability of Vieworks's software technology have been proved in the market fields and have been made good use of by worldwide customers with satisfaction for many years. Vieworks offers the best quality image processing software. Its in-house software team has successfully proved its capability of meeting a variety of customer requirements.

Products



Medical Solutions

Vieworks provides a variety of highly reliable imaging devices and software including digital radiography systems, digital fluoroscopy and radiography systems.

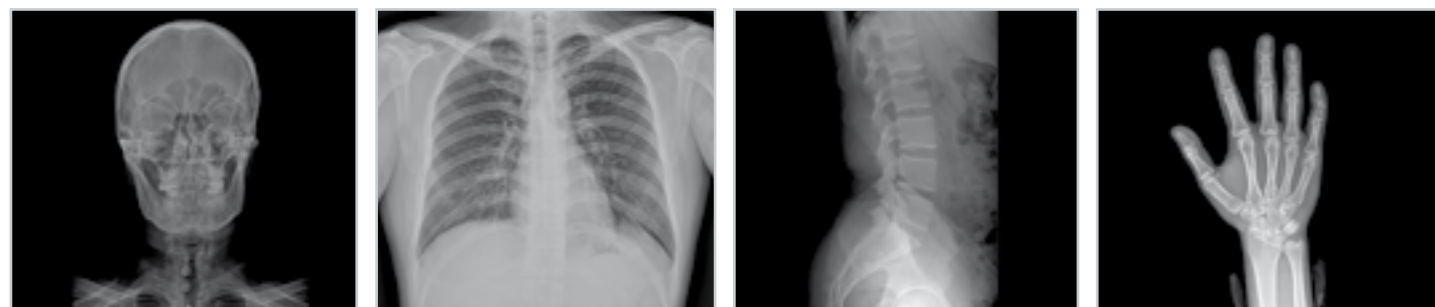


Industrial Cameras

Vieworks designs and provides the most advanced digital cameras built around CCD and CMOS imagers. Its proven performance is innovating many different high tech industries.

ViVIX-S / ViVIX-D

Flat Panel X-ray Detector



• Flat Panel X-ray Detector



Digital imaging solution for radiography

ViVIX-S

ViVIX-S is a Vieworks's new flat panel digital radiography system with the large field coverage area of 17 × 17 inch designed for general radiographic applications for human and veterinary anatomy using its unique image processing system and proprietary flat panel detector.



ViVIX-S Portable, Wired

ViVIX-S Portable, Wired is a Vieworks's flat panel digital radiography system with 14 × 17 inch coverage area for general radiographic applications for human and veterinary anatomy. A handle is attachable and removable depending on the needs of your application.



ViVIX-S Portable, Wireless

ViVIX-S Portable, Wireless is a Vieworks's flat panel digital radiography system with 14 × 17 inch coverage area for general radiographic applications, which is a perfect solution for upgrading conventional X-ray systems still currently working on X-ray film and CR basis to full Digital systems. Acquired images are transmitted through Wi-Fi.



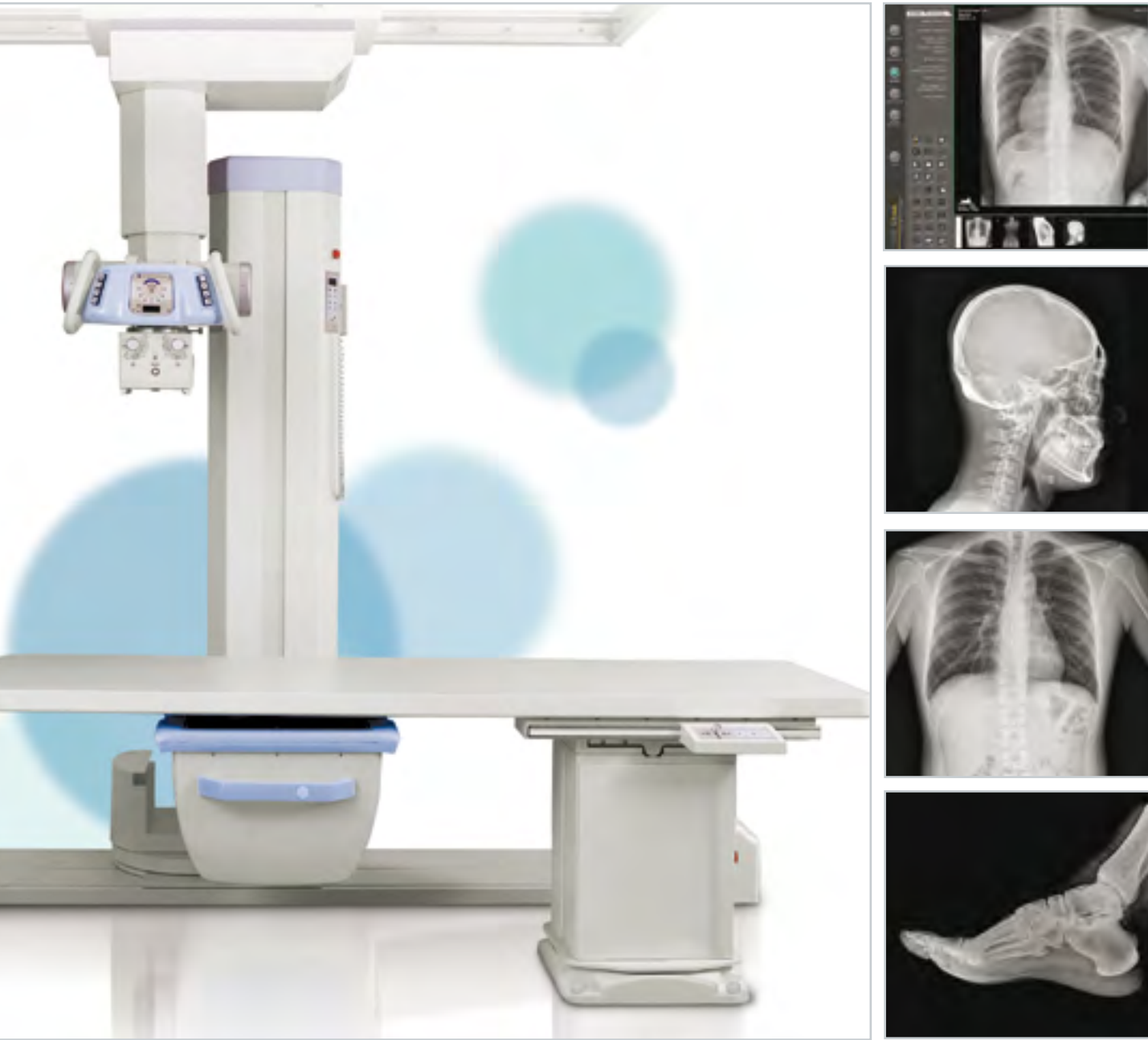
Digital imaging solution for fluoroscopy

ViVIX-D

ViVIX-D is a Vieworks's new high resolution flat panel detector for Dynamic imaging with 17 × 17 inch field coverage area designed for wide range of applications such as general radiography, fluoroscopy, urology, cardiology, and so on. It features a fast acquisition of 30 fps at full size (up to 60 fps at partial size) in fluoroscopic mode, and 10 fps in sequence radiographic mode.



• Digital Radiography System



QXR-16 /9

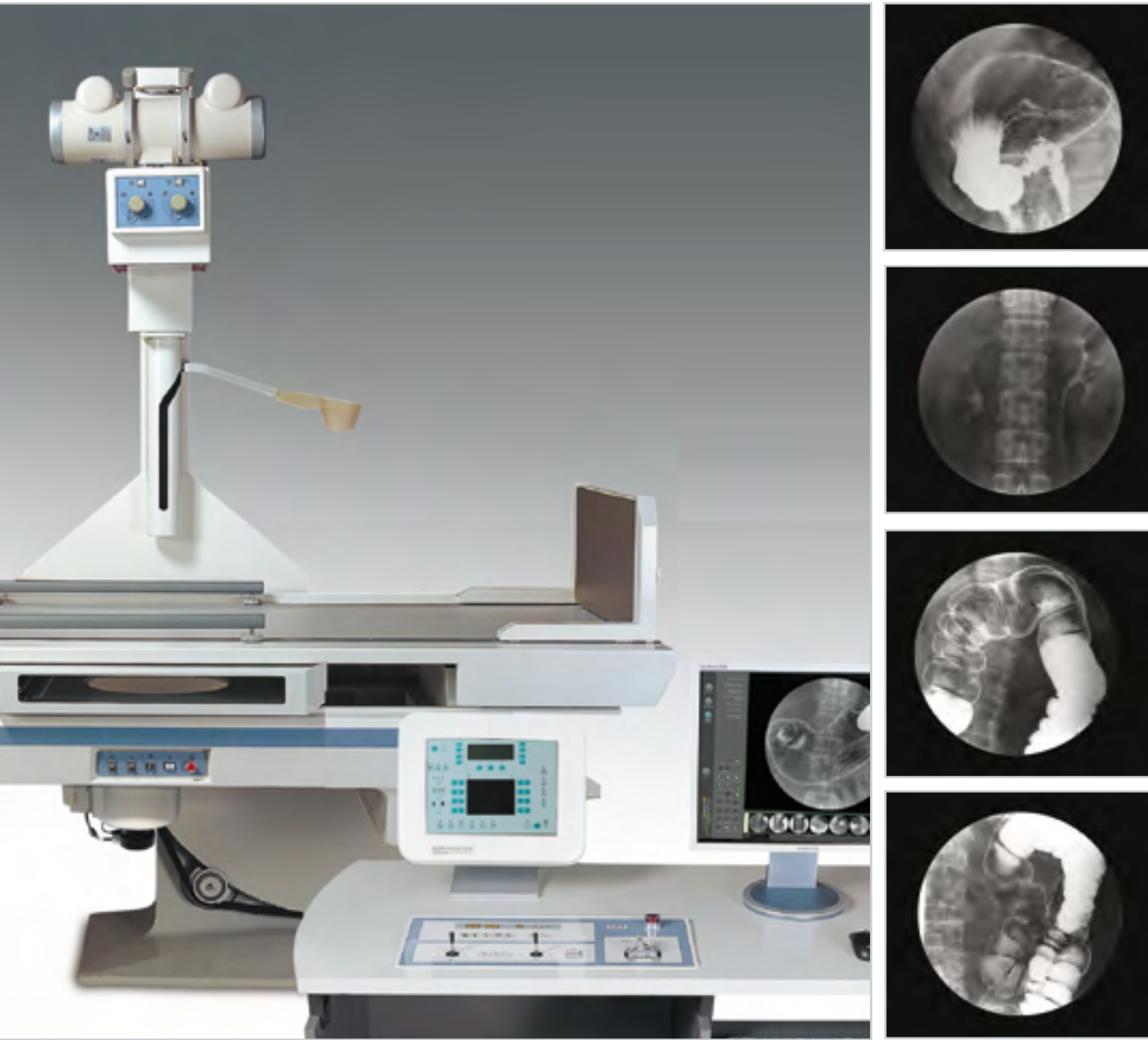
QXR series are Vieworks’s advanced 17x17 inch field coverage digital radiography system using its unique image processing system and its proprietary CCD based hardware to optimize the diagnostic procedure required for today’s digital imaging community standards.



MAXXray

MAXXray series are Vieworks’s 14x17 inch field coverage digital radiography system and it offers the best versatility upon installations for a general application room, a dedicated chest imaging and orthopedic imaging.

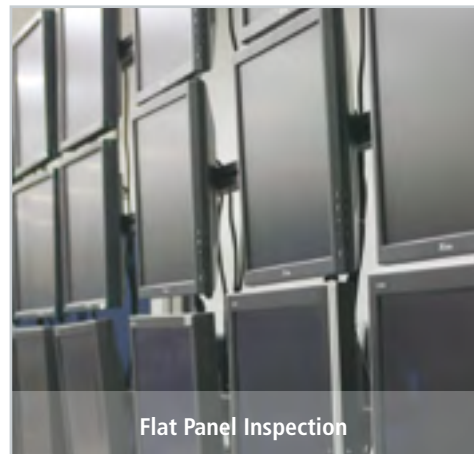
• Imaging Solutions for Digital R/F System



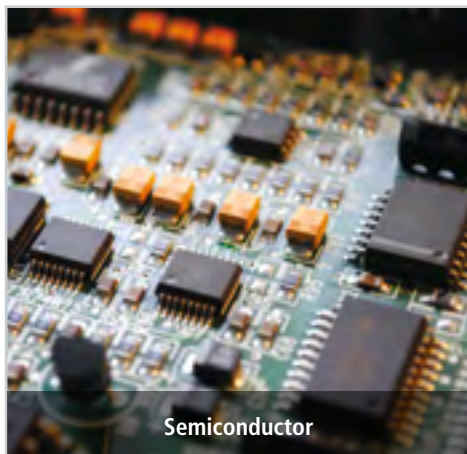
Slimpac II

Slimpac II is an innovative and compact imaging solution designed for general R/F and Angiography. Its greatest advantage is easy installation into any Radio and Fluoroscopy system hardware, whether it is new or used, eliminating the existing cassette filming and spot camera.

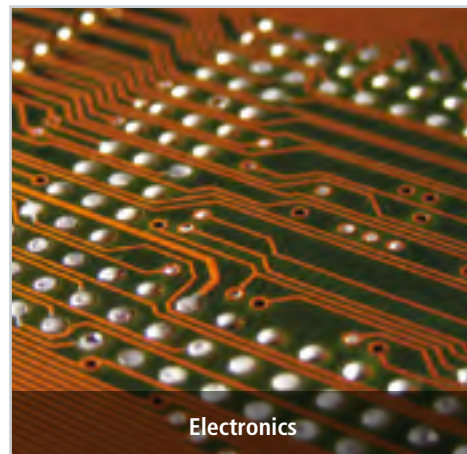
• Advanced Digital Industrial Cameras



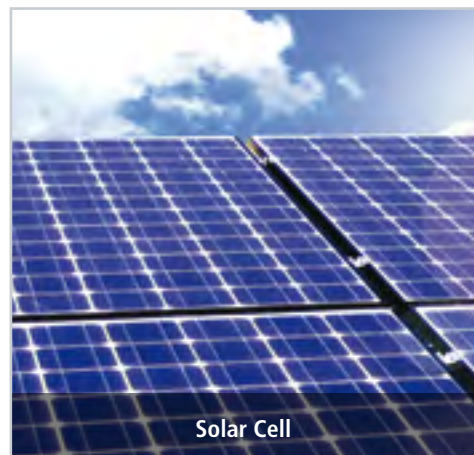
Flat Panel Inspection



Semiconductor



Electronics



Solar Cell



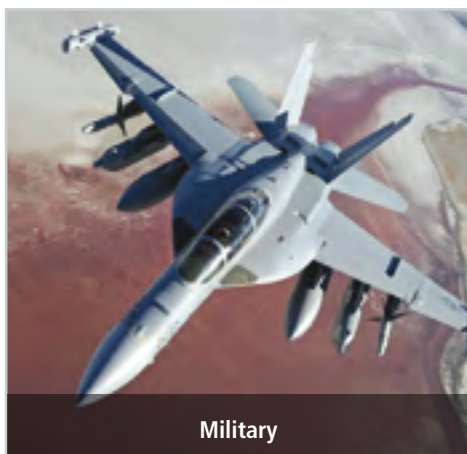
Aerial Scan



Scientific Imaging



Intelligent Transportation System



Military



Medical Imaging



Vieworks designs, manufactures, and markets the most advanced digital cameras with high-performance and powerful functions. Vieworks's proven technology in opto-mechanics, electronics, and software is demonstrated by its success in providing its megapixel cameras to leading customers in industries such as flat panel display, semiconductor, PCB, solar cell, aerial, film scanning, scientific imaging etc.

• Advanced Digital Industrial Cameras



Nano Stage Pixel Shift Cameras

Nano Stage Pixel Shift Cameras are designed for applications where extended high resolutions are required using less number of cameras. Vieworks advanced pixel shift technology realized the precise pixel shifting mechanism and algorithm. Currently we offer cameras with resolutions up to 260 megapixels. They are best suitable for different applications such as flat panel inspection, PCB inspection, document and film scanning, research projects.



Thermoelectric Cooled Cameras

The Thermoelectric Cooled Cameras are Peltier cooled digital cameras that support resolutions of up to 29 megapixels. Uniquely designed by Vieworks's proven cooling technology, it provides optimal imaging solution for the most demanding industrial and scientific applications. It is designed such that the sensor is cooled 20 degrees below ambient temperature. Built based on Truesense Imaging, Inc. (formerly KODAK Imaging Solutions) interline transfer CCD, its selectable readout clock rates allow customers for flexible choices for different applications.



CMOS High Speed Cameras

VC Series is high-resolution CMOS digital cameras for machine vision. Equipped with the latest global shutter CMOS image sensor technology available today, these cameras offer not only high-speed image processing capabilities but also precise exposure control. Furthermore, its outstanding noise reduction technology and a wide range of camera resolutions make these cameras ideal for use in various industrial inspection and scientific research applications.



CameraLink CCD Cameras

Vieworks's Camera Link CCD Cameras are progressive scan type high-resolution area scan cameras. The combination of Vieworks's vision technology and top class CCD sensors makes them ideal for a wide range of applications such as Machine Vision, Research, Scientific and Remote Sensing applications. Vieworks offers a full line of cameras built around different CCD imagers with resolutions of up to 29 megapixels with standard Camera Link interface.



Aerial Imaging/Surveillance Camera

Vieworks's Aerial Imaging and Surveillance cameras are made for Aerial Imaging and High-end Surveillance applications which require highest attention to detail. The camera incorporates an interline transfer CCD with resolution of 6,576x4,384 providing not only auto exposure, gain and iris controls but also auto focus and Birger mount control.



GigE CCD Cameras

Vieworks's GigE CCD Cameras are designed and ideal for many different applications where a simple system design is required with fast speed and flexibility. Vieworks's advanced software technology and field experience enhanced their performances and qualities. Vieworks offers a full line of cameras based on a variety of CCD imagers with resolutions of up to 29 megapixels with GigE interface.



Customer Support

In order to quickly adopt the specific requirements of customers to our solutions, the in-house research and development team of Viewworks is always ready to listen to customers’ opinion.
In case of technical requests and troubleshooting, Viewworks customer service team is also ready to provide a proper solution and technical advice.
Please contact our regional sales representative in your country or our headquarters directly.

Certification



CE 0434



ISO: 9001 / 13485



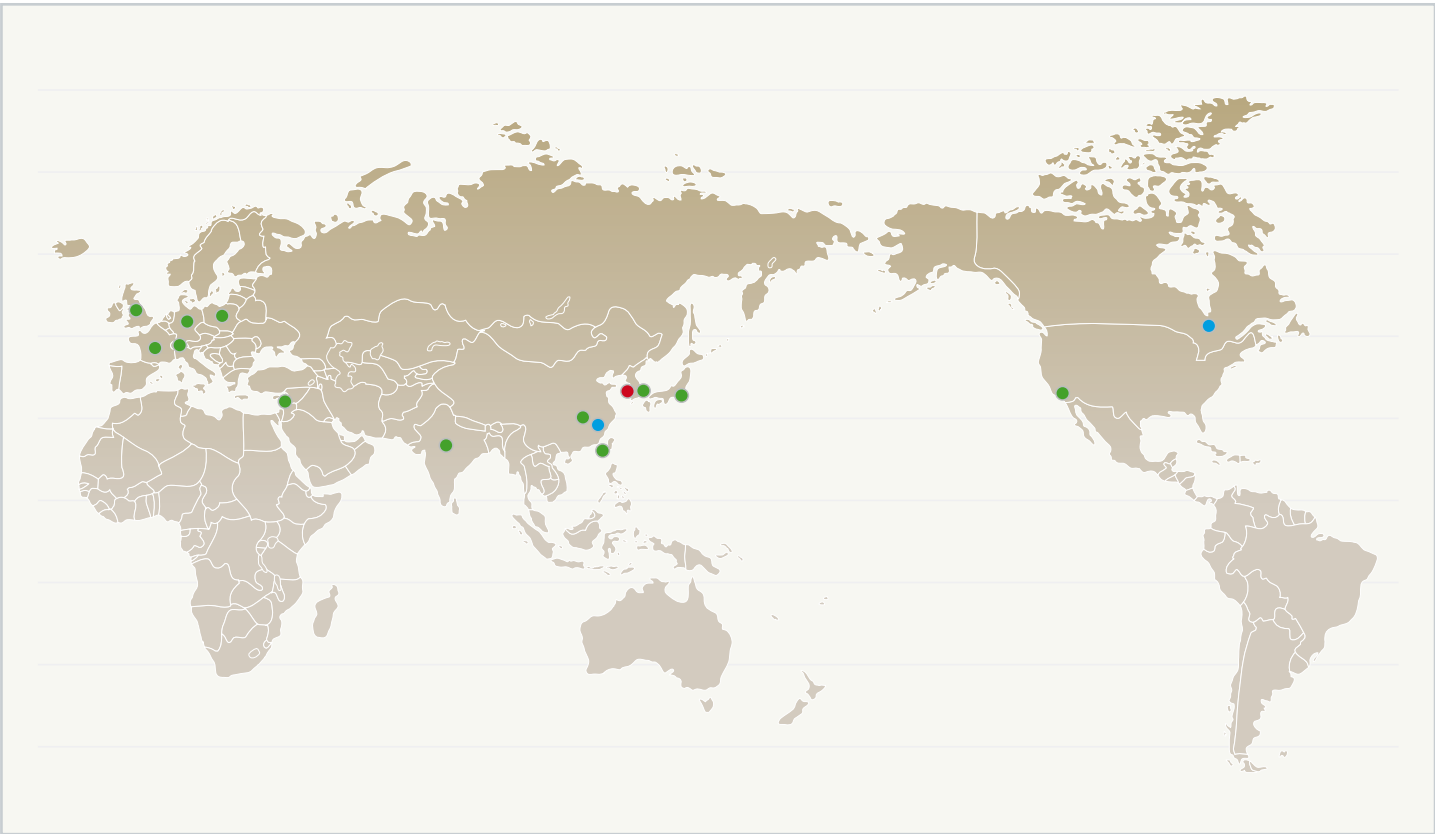
FCC



KCC



KGMP



Global Network

● Medical Solution ● Industrial Cameras

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Industrial Cameras

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