

Site Planning for the KODAK DIRECTVIEW DR 5100 System



HEALTH IMAGING
A BETTER VIEW OF LIFE.



KODAK DIRECTVIEW DR 5100 System

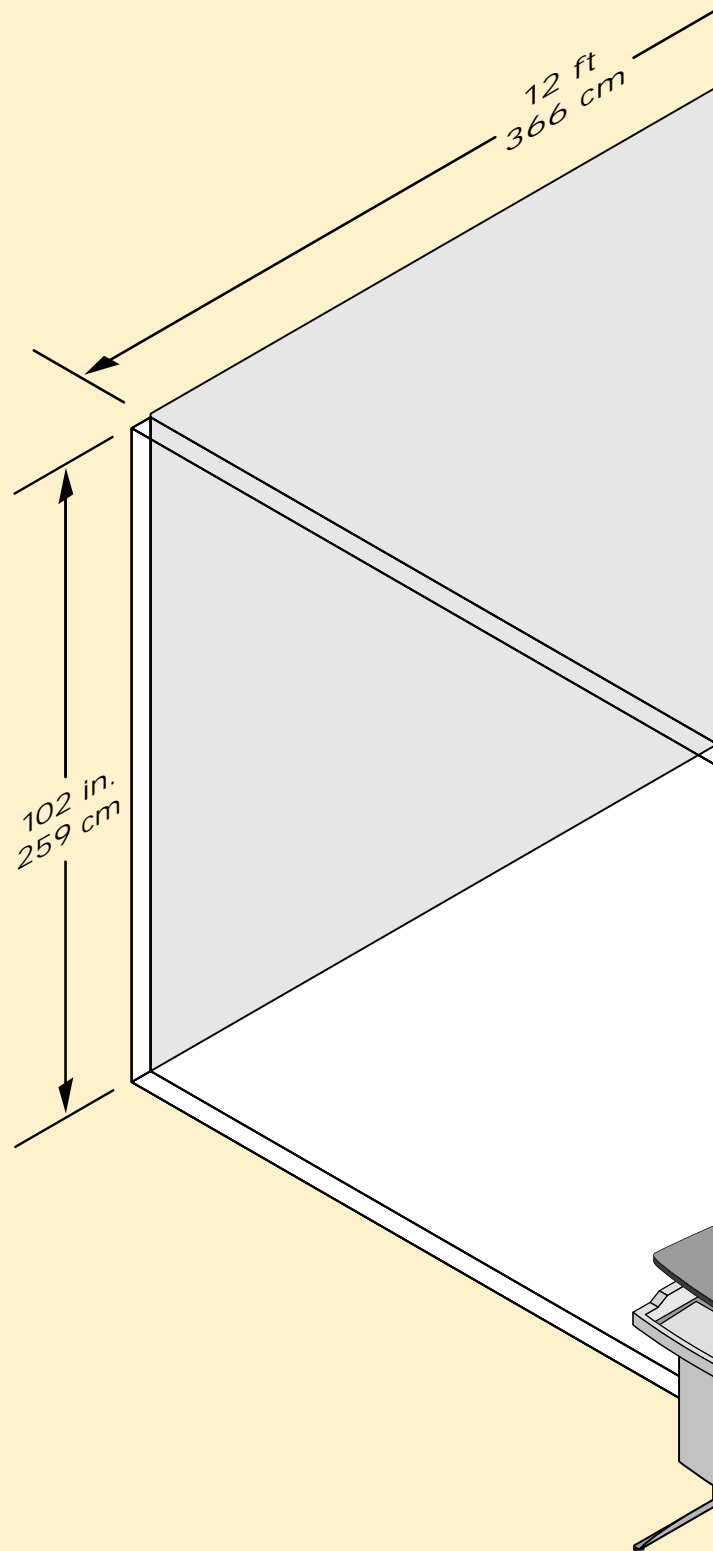
The Kodak DirectView DR 5100 system brings the advantages of digital radiography to chest and other upright examinations. Kodak's direct digital technology and proprietary image processing provide DR images of outstanding quality. Designed for high-volume imaging, this versatile system can be used with ambulatory and non-ambulatory patients—from tall adults to small children.

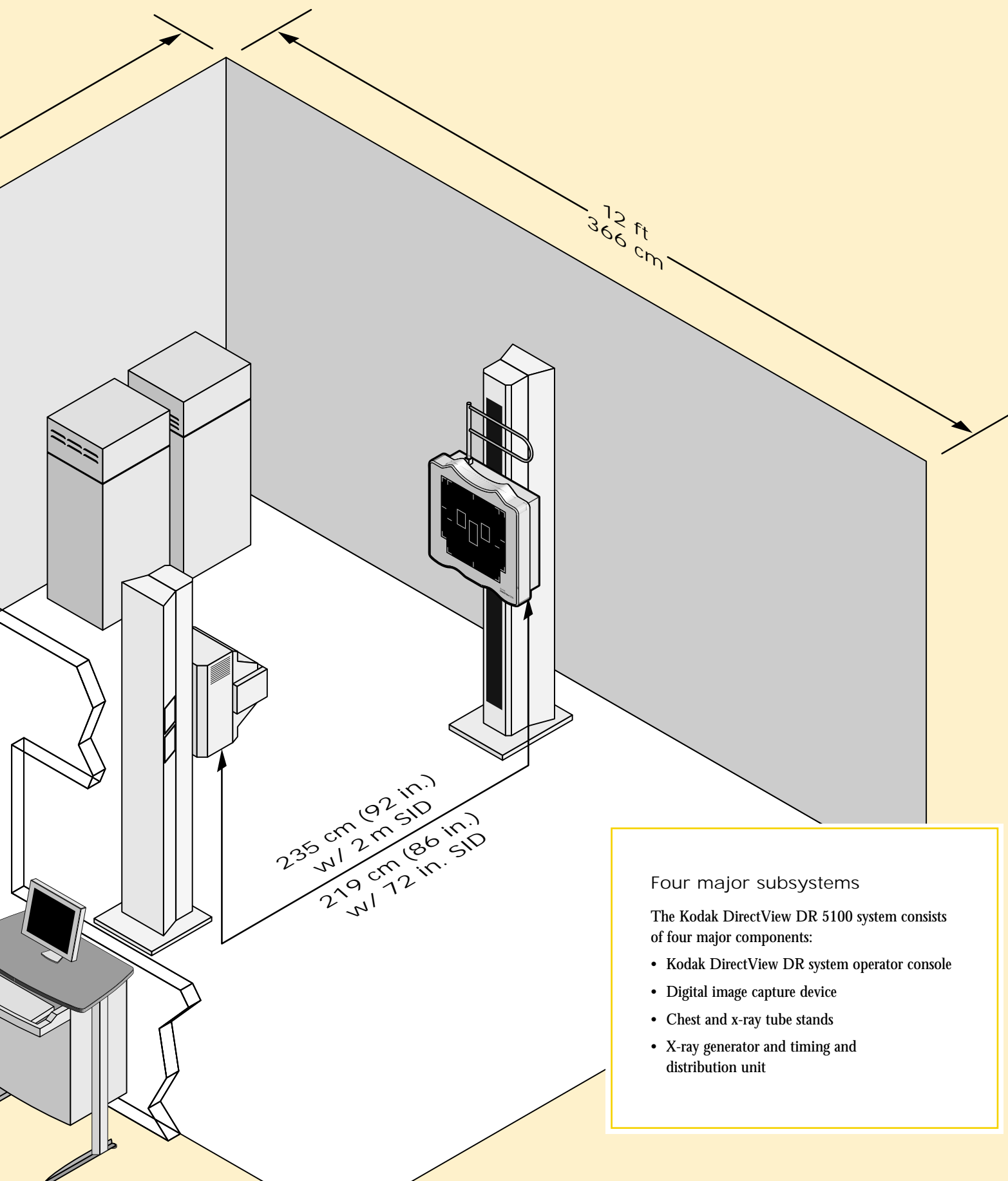
The system features direct digital image capture technology. In direct DR there is no need to convert x-rays into light before converting them into electronic signals. Eliminating the light-conversion step means your diagnostic images have a highly precise signal profile and excellent resolution for fast and accurate diagnosis.

The illustrations in this document will serve only as a guide for room-size requirements, along with depicting key subsystems of the DR 5100 system. Full requirements for the system are outlined in Kodak publication no. 554349-1, *KODAK DIRECTVIEW DR 5100 System Site Specifications*, and should always be used for detailed planning purposes. This document includes, among other information, complete room, electrical, phone, network, and environmental requirements. Detailed component dimensions and weights are also provided.

Additionally, purchase of a Kodak DR system includes customized preliminary and final site plans. Options are available for service agreements and consulting, planning, assessment, design, and implementation of an imaging network.

Minimum room-size requirements.

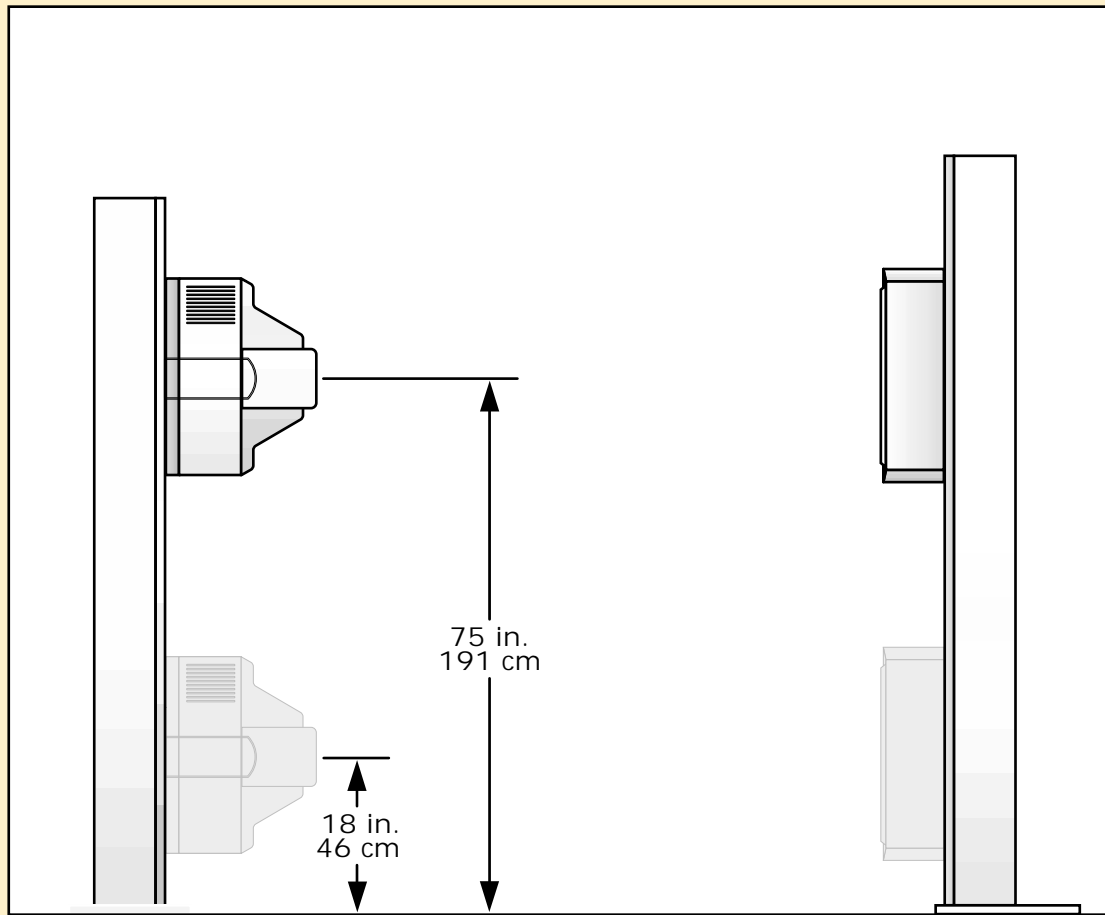




Four major subsystems

The Kodak DirectView DR 5100 system consists of four major components:

- Kodak DirectView DR system operator console
- Digital image capture device
- Chest and x-ray tube stands
- X-ray generator and timing and distribution unit



The DR 5100 system offers a vertical range of motion of 18 to 75 inches (46 to 191 cm) and servo-linked chest and tube stand.

Helps you work smarter

With the Kodak DirectView DR 5100 system there is every reason to go digital:

- Opportunity to *reduce procedure time and increase patient throughput* through elimination of film and cassette handling, preview image available in 12 seconds or less, reduced retakes due to extended exposure latitude, automatic exposure control, and automatic source-to-detector alignment.
- Capability to *improve productivity* with automatic image processing, and connectivity to both RIS and PACS.
- Potential to *diagnose sooner* with 35-second imaging cycle time (QC images available in the first 12 seconds or less), and automatic image routing to multiple destinations.
- Opportunity to *improve patient care* by allowing the technologist to stay with the patient instead of leaving to process images, and the potential to reduce patient radiation dose due to the need for fewer repeat exposures.



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SPECIFICATIONS

Minimum Size Requirements

Room Size:	12 x 8 ft (366 x 244 cm)
Ceiling Height:	102 in. (259 cm)
Door Size:	84 x 48 in. (213 x 122 cm)
Hallway Width:	60 in. (152 cm)

Key Components Dimensions

	Width	Height	Depth	Weight
Chest Stand	28 in./71 cm	88 in./224 cm	33.5 in./85 cm	532 lb/239 kg
X-ray Tube Stand	28 in./71 cm	88 in./224 cm	36 in./91 cm	437 lb/197 kg
X-ray Generator	18 in./46 cm	48 in./122 cm	16 in./41 cm	265 lb/119 kg
Operator Console	34 in./86 cm	38 in./97 cm	23 in./58 cm	185 lb/83 kg
TDU	16 in./41 cm	48 in./122 cm	19 in./48 cm	230 lb/104 kg

Direct Capture System Specification

Detector Type:	Amorphous selenium single-piece x-ray detector
Active Image:	14 x 17 in. (35 x 43 cm) nominal active image area
Detector Element Pitch:	139 μ m
Detector Nyquist Frequency:	3.6 cy/mm
Dynamic Range:	14 bit data captured (linearly)

X-ray Generator

Output:	80 kW high-frequency output
Range of Output:	1000 mA at 80 kVp 800 mA at 100 kVp 630 mA at 125 kVp 500 mA at 150 kVp

Network Capability

DICOM 3.0:	Print service class Storage service class Multiple destination routing
Connectivity:	Kodak DryView laser imagers and Kodak DirectView PACS Third-party DICOM-compliant devices
Patient Demographic:	Through HIS/RIS

Regulatory

Class 1 laser product in accordance with IEC 60825-1

Learn more

For more information about the Kodak DirectView DR 5100 system, call toll free: 1-877-TO-KODAK (1-877-865-6325), ext. 227 or visit www.kodak.com/go/dr

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