

Technical specifications

Camera

Power Input	6 Volts DC
Power Consumption Standby	210 milliamps (1.26 watts) at 6VOC
Weight	0.4 Kg (0.9 lbs.)
Width	19.0 mm (0.75 inch)
Depth	190.5 mm (7.5 inches)
Height	19.0 mm (0.75 inch)
Cable length	2 meters or 2.95 meters
Lamp	12V 75W halogen bulb (Average bulb life: 2,000 hrs.)
Resolution	480 TV lines
Angle of View	62°
Direction of View	97.5°
Focal Range	1 mm to infinity
Charged Coupled Device	0.25 inch

Universal Docking Station

Input Range	90 v to 260 v
Electrical Output Ratings	
Weight	2.7 Kg (5.9 lbs.)
Width	254 mm (10.0 inches) [Add 30 mm (1.2 inches) for Holster]
Length	305 mm (12.0 inches) [Add 25 mm (1.0 inch) for Holster]
Height	64 mm (2.52 inches)
Input Fuse (2)	Replace only with equivalent type
Internal Secondary Fuse (Inline Fuse Holder)	Secondary Fuse is contained internally in the Power Module and must be replaced by a qualified service technician.

System—Environmental

Classification—Ingress Protection	IPX0
Classification—Console and Power Supply	Medical Grade
Classification—Handpiece	Cabled camera head, Medical Grade Type BF
Environmental conditions for transportation and storage	-10 – 40° C
Environmental conditions for operation	10 – 40° C

System—Conformance

NTSC, PAL, Evaluated to the requirements of IEC-601-1, CSA 601.1, UL2601-1, EN6061-1-2	
Suitable for continuous operation	Yes



- Increased productivity
- Image quality rated #1
- Ergonomic and easy to use

Intraoral Camera Systems



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Gendex. Imaging Excellence.

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AcuCam® Concept™ IV

Superior image quality

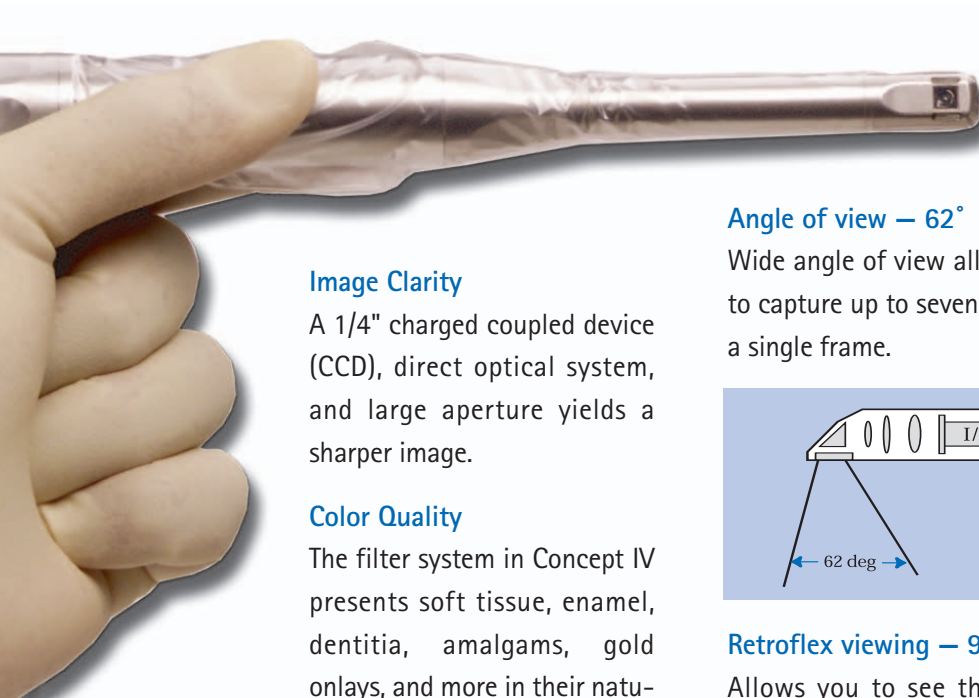


Image Clarity

A 1/4" charged coupled device (CCD), direct optical system, and large aperture yields a sharper image.

Color Quality

The filter system in Concept IV presents soft tissue, enamel, dentitia, amalgams, gold onlays, and more in their natural color.

Portable

By integrating the high resolution digital processor into the handpiece, the Concept IV camera is one of the smallest – and therefore the most portable – camera available.

Flexible Yet Durable Monocoil Cable

Reduces cable torque and minimizes resistance when working with the handpiece.

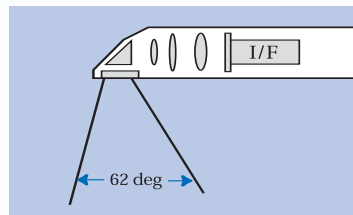
Ergonomic Design

Improved ergonomic design of the hand-piece provides a comfortable grip and confidence in using the Concept IV intraoral camera.



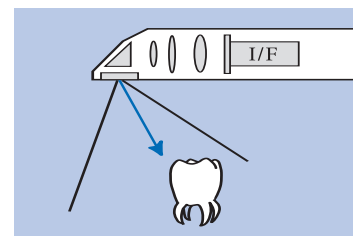
Angle of view – 62°

Wide angle of view allows you to capture up to seven teeth in a single frame.



Retroflex viewing – 97.5°

Allows you to see the distal surface of upper molar.



Depth of Field

Focal range from 1mm to infinity. Images from full face and smile to the demanding distal surface of the upper third molar can be captured with the Concept IV.



Easy networking and connections

Each AcuCam® Linx is equipped with an operator control panel that has a status indicator print button for each treatment room.

One AcuCam® Linx will video network up to six treatment rooms and one centrally-located printer. Both S-Video and Composite Video are compatible with the AcuCam Linx.



One central location for connections to foot control, S-Video, Composite Video, Remote Control devices, and AcuCam Linx to multiple operatories.



Docking station rear

Ideal for your dynamic practice

Increased Productivity

with four full-sized images that allow you to review captured images while your camera is working in another operatory.

Sophisticated Case Presentation when referring patients to colleagues.

Image Manipulation

Quickly take up to 6 widely varying images while affording complete patient comfort with the Unilens feature. Other images manipulation features include:

- Zoom** magnifies image 2x from center
- Flip** flips image vertically
- Mirror** flips image horizontally
- Rotate** rotates image in 90° increments

Smart Panel

tells you when your centrally-located printer is out of paper or requires assistance so you never have to make a wasted trip.

Greater Level of Patient Care

Opportunity for co-diagnosis and informed consent in the ongoing patient oral health care.

Practice Image

The perception of your practice can be enhanced with AcuCam Concept IV.

Document Your Work

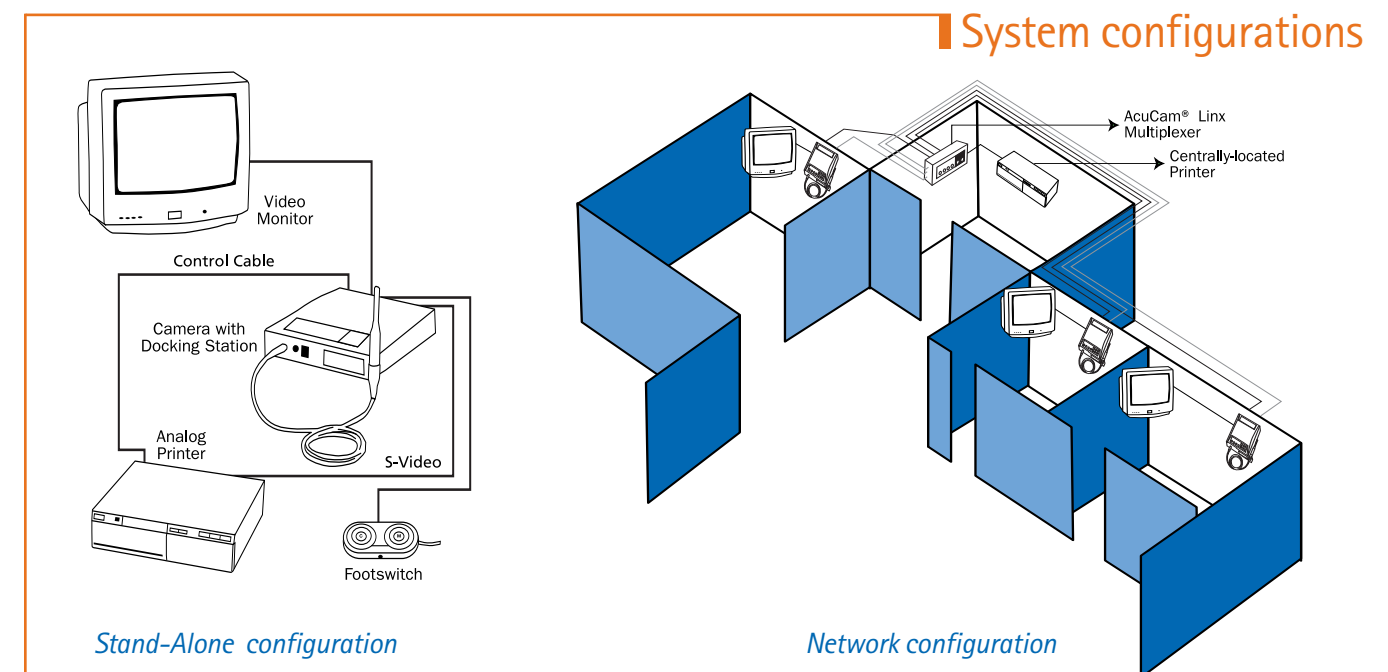
with sharp video images that present cases in their natural color.

Digital practices

For digital practices, Gendex offers the Acucam Concept IV FWT camera with direct digital FireWire technology. This digital system combines the superior image quality of the Concept IV handpiece with the convenience of digital imaging.



System configurations



Stand-Alone configuration

Network configuration