AcuCam Concept IV FWT

Superior Image Quality with FireWire technology

A digital system that combines the superior image quality of the Concept® IV handpiece with the convenience of digital imaging

The AcuCam® Concept® IV FWT Digital Intraoral camera with FireWire technology delivers high-resolution digital video for great image quality in your digital practice. The system combines state of the art technology with modern functionality. The compact docking station leaves you plenty of room to work around on the counter, or it can even be mounted on a wall or under a counter. The holster can be mounted almost anywhere for your convenience. Each time you pick the handpiece up out of the holster, it automatically opens the Gendex camera software on your computer, saving you time and effort!

Features:

- Great image quality delivered by digital video streaming Firewire technology
- A modern and compact docking station that easily mounts on a wall, under a counter or sits on a counter.
- A smart holster which automatically activates the streaming video and opens video capture software upon removal of the camera
- Simple installation which eliminates video capture boards
- Digitize alternative video sources with analog input port.

Award winning product!

The AcuCam® Concept®IV FWT Digital Intraoral camera with FireWire technology has been awarded a REALITY 4 star rating as well as the Townie Choice Award for 2006.

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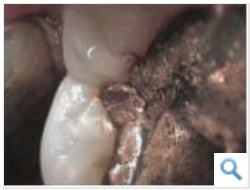

Firewire technology

Firewire® technology at a glance
What is Firewire technology? Firewire (IEEE 1394A) is one of the fastest data transfer standards ever developed. Originally conceived by Apple Computers for digital video streaming, FireWire® is the de facto industry standard for multimedia peripherals such as digital video cameras. It features simplified cabling, hot plus and play, and unsurpassed image transfer speed.

Digitalizing the camera signal in the Concept® IV FWT docking station and passing it to the cmputer via the FireWire connection eliminates the need for a traditional video capture card that typically degrades the video signal when converting it from analog to digital. The direct-digital FireWire connection delivers the highest level of clarity and picture quality that makes it great for use with the Concept® IV camera. Firewire is a registered trademark of Apple Inc.

Technical Data

Camera	
Equipment	Model AcuCam® Concept® IV
Width of handpiece	19.0 mm (0.75 inch)
Length of handpiece	190.5 mm (7.5 inches)
Height of handpiece	19.0 mm (0.75 inch)
Resolving Power	80 LP/mm
Angle of View	62 degrees
Direction of View	97.5 degrees to handpiece center line
Focal range	1 mm to infinity
Charged Coupled Device	0.25 inches
CCD pixels	NTSC 379,300
Docking Station	
Equipment model	AcuCam® Concept® IV FWT
Digital output	IEEE-1394A, FireWire, i.LINK
Analog output	480 TV Lines
Power consumption	7 Amps @ 12 V
Lamp	12V 75W halogen bulb; USHIO PN 1000835; Average bulb life: 2,000 hrs
Weight	1.1 Kg (2.5 lbs.)
Width	165 mm (6.5 inches) Add 30 mm (1.2 inches) for Holster
Length	165 mm (6.5 inches)
Height	74 mm (3.0 inches)
Maximum FireWire cable length supported	4.5 m (15 feet)
Recommended System Requirements	
Operating System	Microsoft® Windows® XP-PRO or Microsoft® Windows® Vista Business
Processor	1.3 GHz or higher 1.8+ GHz if a laptop computer is used
Memory	256 MB (2 GB with Vista)
Hard Disk	20 GB with 1.5 GB (40 GB with 15 GB with Vista) of available hard disk space
Display Setting	1024x768+ at 32 bit true color
Video Memory	32+ MB (256 MB with Vista)
Monitor	XGA with 0.25mm/0.26mm dot pitch
Ports	FireWire or i.LINK (IEEE-1394a standard)
Drivers	Microsoft DirectX 9.0b or higher required

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