



 smith&nephew

560P
High Definition
Camera Control Unit

560H
High Definition
Camera Head

HD with control to improve OR workflow

Direct control of the 500XL Light Source from the 560H.
One-step activation and finalization of USB streaming video
recording on the 560P.

560P High Definition Camera System Specifications*

Power Requirements	100-240VAC, 50/60 Hz; Dual Fuse
Classification	CISPR 11 Class A.
Equipment Classification	Protection against electrical shock Class 1 with CF type applied part. Protection against harmful ingress of water. (Ordinary equipment, none provided) Degree of safety application in the presence of flammable anesthetics with mixture of air, oxygen, or nitrous oxide. (Not suitable)
CCU Dimensions	4.25" H x 12" W x 15" D
CCU Weight	9.9 pounds
Display Output	50/60 Hz
Resolution	1920 x 1080i (native)
Signal-to-Noise Ratio	>60 dB
Shutter	NTSC: 1/60 per second through 10,000 per second shutter speed PAL: 1/50 per second through 10,000 per second shutter speed

HD Serial Digital Interface (HD-SDI)

Two serial digital interfaces (HD-SDI) with 4:2:2 component digital video output on BNC connector

HD Digital Visual Interface (HD-DVI)

One digital visual interface supporting DVI-Digital (DVI-D) single-link interfaces on 29-pin DVI-I connector with 4:4:4 component digital video output on BNC connector

YPrPb Video Output

One video output 1Vp-p, YPrPb or Component video into 75 , BNC coaxial connectors

RS 232 Output

Serial communication port provides bi-lateral communication with 500XL light source and other devices

Y/C Video Outputs

Two Y/C video outputs, combined luminance/chroma signal into 4-pin mini-DIN plug

Composite Output

One analog, encoded video signal that includes vertical and horizontal synchronizing information

AC Leakage Current

Camera control unit: less than 300 microamps earth leakage

Video Accessory Controls

Two mini-phonon connectors (3.5 mm)

USB Digital Output

One USB port for saving streaming MPEG4 video to a USB 2.0 or USB 1.1 storage device (2GB or larger). Playable on PC and MAC computers with compatible software. (PC: Mplayer portable 1.0 RC2 and ElecCard MPEG player, MAC: Mplayer 2.0b8r5)

*Specifications subject to change without notice

Endoscopy

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560H High Definition Camera Head Specifications*

Equipment Classification	Protection against electrical shock Class I, applied part Type CF
Video Imager	Three 1/3" Interline Transfer Micro-Lens high sensitivity CCD Image Sensors
Imaging Resolution	Vertical: 1080i native TV lines Horizontal: 1920 native TV lines
Signal-to-Noise Ratio	>64 dB
Video Data Acquisition	Three 14-bit RGB channels, digitized inside camera head
Video Data Transmission	High-speed, low-voltage differential serial (LVDS), uncompressed 42-bit RGB digital transmission via 12-foot camera cable
Video Output Format	Full HD 1080i, 100% compatible with SMPTE-274M: 2005 HDTV broadcast standard when used with the 560P Camera Control Unit
Video Field Rate	60 Hz or 50 Hz universal camera head, software switchable
Operating Temperature	41°–102° F (-20°–39° C)
Operating Humidity	38–75% non-condensing
Storage Temperature	-4°–140° F (-20°–60° C)
Storage Humidity	20-90% non-condensing
Camera Head Dimensions	1.8" x 2.6" x 2.25" (width x depth x height)
Camera Head Weight	161 grams
Camera Head Cable	12' +/- 3", (3.65 m +/- 7.6 cm)
Lens Mount	1"–32 UN C-mount thread
Compatible Control Units	Smith & Nephew 560P High Definition Camera System

560P Camera Control Unit (System, NTSC/PAL)

72202328	English, US
72202342	German
72202352	Spanish
72202340	French
72202344	Italian
72202354	Swedish
72202350	Portuguese
72202336	Danish
72202348	Norwegian
72202338	Dutch
72202346	Korean
72202332	English, UK
72202330	International*
72202334	Chinese

* European Continental Power Cord

560H 3-CCD HD Camera Head

72200561 NTSC/PAL

High Definition Scopes and Couplers

Use only Smith & Nephew High Definition Scopes and Couplers with the 560 system.

Contact your Smith & Nephew sales representative, or customer service for more details.

Warranty and Service

This system comes with a one year warranty to be free from defects in material and workmanship.

Service agreements covering use-related damage are available by calling 978 749 1262.

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