

# HDC-300 Titan HD Headlight Camera Documentation System



The Titan HD headlight camera system is a continuation of our history of providing the latest technology in order to meet demands for features needed in the market.

- Newly designed headlight and camera module allows for true coaxial alignment of the camera and light without sacrificing light output or image quality
- Headlight/Camera module fits comfortably between loupes and provide a unique perspective of the surgical site from the surgeon's point of view
- True 1080P HD quality at 60 frames per second
- 400W Xenon light from our Titan X400 light source brings even the most challenging areas of the surgical site into clear focus



## Two-in-One Camera and Headlight Module

The convergence of the light and camera at the same working distance means that the surgeon will never have to pause during the procedure to realign the camera with the light. What the surgeon sees in the centre of the headlight spot is what the camera captures.

- Keeps the camera focused directly on the centre of the light spot
- 3 to 1 magnification produces the same image surgeons' see from their loupes
- Deep depth of field ensures camera will remain in focus during lean-in/lean-out moments
- No need to adjust camera angle during procedures
- 400W of natural xenon light illuminate even deep anatomical structures



*Our focus is surgical lighting*



ADVOCATES  
FOR PATIENT  
SAFETY AND  
QUALITY  
EQUIPMENT

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## Camera Console

The camera console is controlled by an intuitive touchscreen:

- Provides instruction to users on starting and finalising videos as well as capturing still images for each procedure
- Use touchscreen to enter patient data (if desired), start and stop recording, capture still images and export case files to USB

## Image Stabilisation

- Works in real-time to minimize and steady undesirable head movements of the user
- Leaves the viewing audiences with a cleaner, less jumpy video that is more comfortable to view
- Enhances value of video captured as a teaching tool

## Colour

The Sunoptic HDC-300C uses a video processor to bring out the natural colour of human tissues in order to generate bright and clear video and still images:

- Images appear bright, vivid, and well defined
- Allows greater distinction amongst tissues

## Simultaneous Recording

- Video and still images are recorded to both the console's hard drive and the connected USB storage device in real-time
- Images captured during a procedure are immediately available to the surgeon after the procedure for review, demonstration, or consultation
- Total hard drive size: 720 GB, approximately 48 hours of video
- When console hard drive capacity has been reached, the recorder automatically starts overwriting the oldest files first
- Records video and still images to the same case files
- Saves uncompressed HD video and stills for clearest and sharpest image possible
- Videos saved in MOV format, capable of playing on any PC or Mac with a media player

## Video Management

- Easily open, review, export to USB, and delete case files via the camera console
- Patient data can be entered at the start of the case if desired
- Camera system pairs easily with existing recorders to share videos and still images in preferred location

## Technical Specifications

- HD video camera 1080P by 1920, 60 FPS (Frames Per Second)
- Records Stills and Video in uncompressed files
- Simultaneous recording to hard drive and USB
- Dual HDMI and DVI outputs
- Video output can be stabilised or unstabilised

Double Barrel Light Spot  
and HI Definition Camera  
Lens, True 1080P HD  
Image Quality at 60 FPS



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