TECHNICAL SPECIFICATION

B|BRAUN
SHARING EXPERTISE

3D - CAMERA CONTROL UNIT (CCU)

- Protection class: 1
- Application part Type CF defibrillation safe
- IEC/DIN EN 60601-1-1-2 Class A
- Standard conformity IEC/DIN EN 60601-1
- Classification acc. To 93/42/EEC: I

3D – CAMERA HEAD WITH ENDOSCOPE AND LIGHT CABLE

- CISPR 11: Class A
- Protection class against falling water: IPX7
- Classification acc. To 93/42/EEC: IIa
- Application part Type CF defibrillation safe
- Standard conformity acc. To IEC/DIN EN 60601-1 : 2012
- EMC acc. To IEC/DIN/EN 60601-1-2:2007

LED LIGHT SOURCE

- Classification acc. To 93/42/EEC: I
- Application part Type CF defibrillation safe
- Standard conformity acc.to IEC/DIN EN 60601-1
- EMC acc. To IEC/DIN EN 60601-1-2:2007 + 2014
- CISPR11: Class B
- Maintenance-free

2D CAMERA HEAD CMOS HEAD WITH ZOOM COUPLER

- Application part Type CF defibrillation safe
- Standard conformity acc. To IEC/DIN 60601-1
- Protection class against falling water: IPX 7
- EMC acc. To IEC/DIN/EN 60601-1-2
- Classification acc. To 93/42/EEC: IIa

3D FULL HD LCD MONITOR

- Protection class against falling water: IPX2
- Protection class against electric shock: I
- Compliant with medical safety standards ANSI/AAMI ES60601-1, CAN/CSA-C22.2, NO.60601-1 and EN 60601-1

2D FULL HD LCD MONITOR WITH TOUCH TECHNOLOGY

- Standard conformity: IEC/EN 60601-1-2, CE, UL60601, FCC
- Classification acc.to 93/42/EEC: I

2D/3D DOCUMENTATION SYSTEM

- Classification acc. To 93/42/EEC: I
- Standard conformity acc. To EN 60601-1 safety class 1, EN 60601-1-2, EN 62304
- CISPR 11: Class B
- Recording of 2D moving images in DICOM 3.0 (MPEG-2 or MPEG-4 AVC/H.264 format)
- Recording of 3D moving images in DICOM 3.0 format (MVC format)
- HL7 interface (KIS connectivity)
- Data storage into network via WLAN (WLAN dongle required as accessory)

EINSTEIN*VISION*® 3.0

SEE BETTER

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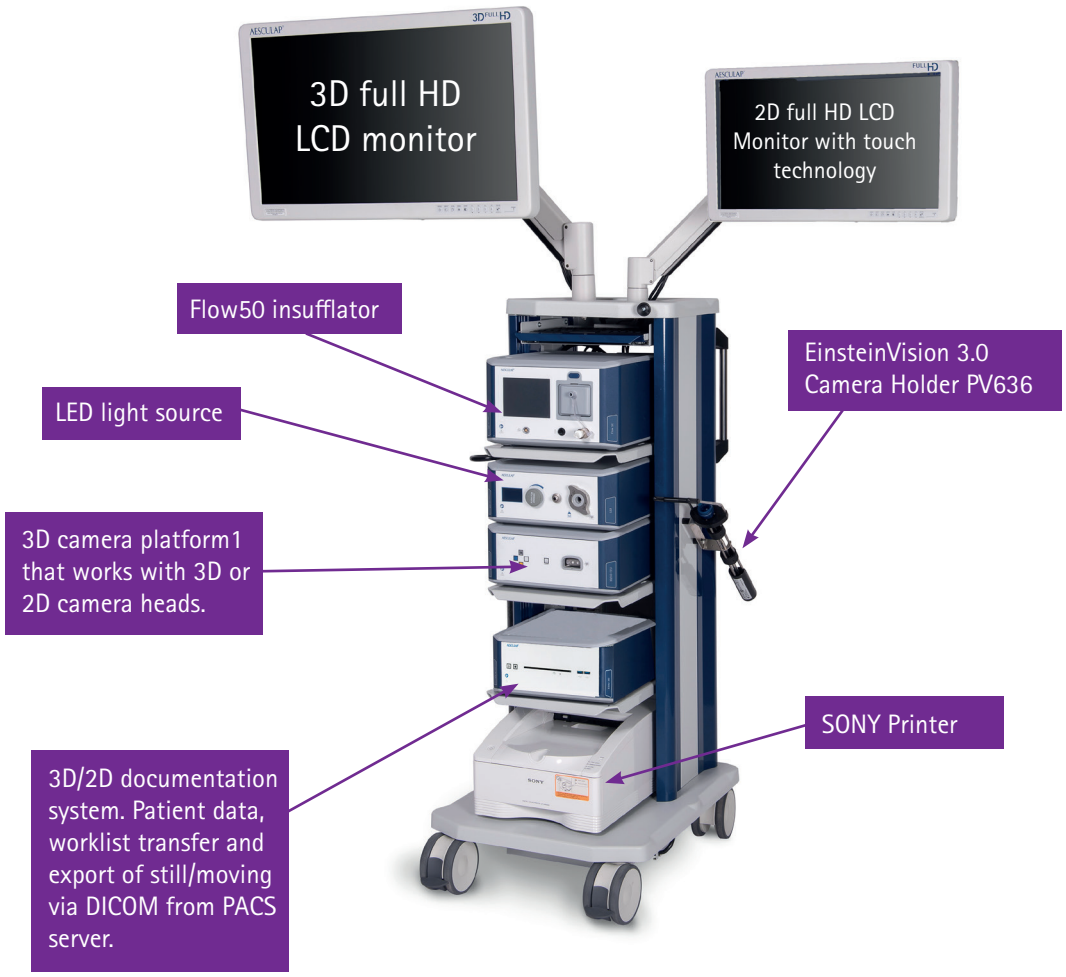
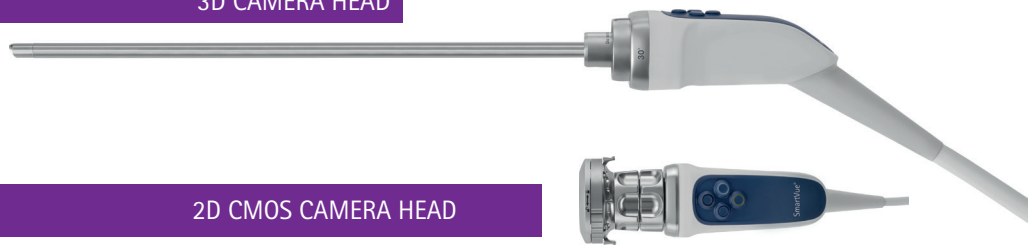


CAMERA HEADS

3D CAMERA HEAD



2D CMOS CAMERA HEAD

Clinical Benefits of **Einstein***Vision*® 3D visualisation include:

The native full HD resolution provides razor-sharp images and impressive 3D depth combined with uniform image illumination.

PROVIDES NATURAL 3D PERCEPTION

- Outstanding depth perception, whilst maintaining tactile feed back for the surgeon
- Improved hand-eye-coordination aids accuracy and enables fewer instrument movements when compared with conventional 2D minimally invasive surgery

IMPROVED EFFICIENCY AND PRODUCTIVITY

- Minimal set-up requirements
- Economy of surgical movements
- Potential to reduce procedure times
- Reduce surgeon fatigue

SUPPORTS LEARNING

- Significantly reduces the learning curve of traditional cameras
- Aids anatomical understanding
- Excellent for teaching/training

IMPROVED SURGICAL OUTCOMES

- Reduced procedure times, less anaesthetic time
- Can prevent conversion to open procedures

DELIVERS ECONOMIC VALUE

- Maximum usage of system assured
- Reduced cost as a result of not processing endoscopes
- Increased productivity

NEW STERILE HANDLING CONCEPT

- No reprocessing
- Consistent 3D image quality
- Fewer interfaces during product handling process
- Cost transparency