

EV3.0 CAMERA CONTROL UNIT

Article Code **PV630**



- Universal camera platform accepts 2D and 3D camera heads (for further information about the 2D Camera Heads please visit the APP/ Chapter 2D Technology/ Key Product Features 2D)
- Integrated image enhancing algorithms (smoke reduction, red enhancement)
- Digital zoom function (factor 1.0 to 1.8)
- Native Full HD image quality with progressive scan mode (1080p 50/60)
- Switch between 2D and 3D camera image via push button
- Bus communication interface with LED light source (automatic light quantity control)
- Low operating noise
- For laparoscopic and cardio/thoracic indications

EV 3.0 CAMERA HEADS

Article Code **PV631/ PV632**



- All-in-one system with integrated light cable
- Includes two native Full HD CMOS sensors with 1080p image quality
- Anti-fog function due to integrated electronic tip heating
- Consistent image quality over years due to unique sterile product handling concept (no autoclaving necessary)
- Focus free effect (excellent depth of field)
- Integrated stereo rod lens technology
- Available in 0° and 30° version
- Outer diameter of 10.0 mm
- Many camera functions (e.g. light on/off, documentation, image algorithms, 2D/3D switch, zoom, white balance etc.) can be activated from camera head under sterile conditions

STERILE CAMERA DRAPES

Article Code PV641SU, PV642SU



- Innovative sterile product handling concept
- Hermetically seals the complete optical system (endoscope, camera head and cable)
- Sterile barrier between patient and camera system/endoscope
- Available in two options with 0° and 30° viewing angle
- The use of the sterile camera cover avoids thermal sterilization stress for the camera and prevents the continuous 3D image degradation
- Camera is always ready for use as it remains in the operating theatre
- Integrated locking mechanism to 3D camera heads PV631 and PV632
- No change to existing OR standard process
- Camera drape is latex free and reduces the risk of cross contamination

LED LIGHT SOURCE

Article Code **OP950**

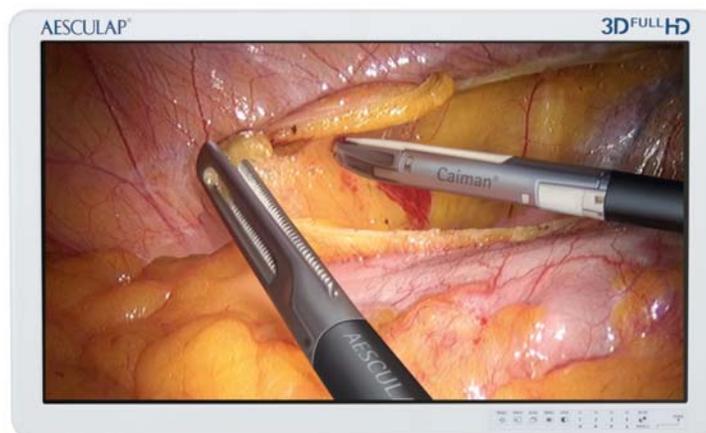


- Universal use (works with 2D and 3D camera systems)
- Manufacturer-independent (adapter free multi light cable receptacle)
- Long lifetime of LED module (typically 30,000 working hours)
- Practically maintenance-free (LED technology)
- Consistent bright image (automatic light quantity control)
- Solving light problems in the OR (integrated light guide cable tester to measure the light transmission quality)
- Natural color reproduction (high Color Rendering Index value of 92)
- Low operating noise

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32" 3D MONITOR

Article Code **PV646**



- Medically approved monitor with Full HD resolution (1920 x 1080 pixel)
- 32" viewable display diagonal with 16 : 9 image format
- Excellent display of details, enhanced brightness and contrast
- Impressive color reproduction
- Coated glass surface (anti reflection)
- Displays camera video signals in 3D and 2D and compatible with Aesculap 2D/3D camera systems
- Parallel use of multiple 3D monitors possible
- Low operating noise
- Multiple 3D video signal inputs (3G-SDI and DVI-D)

3D GLASSES STANDARD

Article Code **PV621**



- Standard circular polarized glasses for passive 3D image viewing
- Lightweight glasses (30 gr.)
- Suitable for viewing EinsteinVision® 3.0 images
- Shipped in pack of 15

3D ANTI-FOG GLASSES

Article Code **PV622**



- High end circular polarized glasses for passive 3D image viewing
- Antifog coating on the inner side of the eyeglass lenses
- Prevents fogging of eyeglasses during surgery
- Lightweight glasses (30 gr.)
- Ideal for viewing EinsteinVision® 3.0 images
- Shipped in pack of 5

3D GLASSES CLIP-ON

Article Code **PV623**



- Clip-on circular polarized glasses for passive 3D image viewing
- Lightweight glasses
- Suitable for person wearing regular glasses
- Suitable for viewing EinsteinVision® 3.0 images
- Shipped in pack of 1

3D GLASSES EYE SHIELD

Article Code **PV624**



- Eye shield 3D Circular polarized glasses kit consisting of frame and shield for passive 3D image viewing
- Protects the eyes of surgeons and medical/clinical staff from blood splashes and other fluids while maintaining clear image visibility
- Lightweight glasses (23 gr.)
- Also suitable for persons wearing magnifying loupes during surgery (e.g. cardiac applications such as MIVS)
- Suitable for viewing EinsteinVision® 3.0 images
- Shipped in pack of 1 reusable shield frame and 3 disposable 3D eye shields

2D CAMERA HEADS

Article Code **PV481/PV482/PV485**



PV482 and PV485

reddot award 2017
winner



PV481

- For further information about the compatible CCU please visit the APP/ Chapter EinsteinVision/ EinsteinVision 3.0/ 3D Devices)
- PV481 and PV482 include single native Full HD 1/3" CMOS sensor (1920 x 1080 pixel)
- PV485 includes three native Full HD 1/3" CMOS sensors (1920 x 1080 pixel each)
- Progressive scan mode (1080 p 50/60 signal)
- Can be connected to 2D and 3D camera platform
- 3.5 m camera cable
- Four integrated control buttons with multiple camera functions (e.g. light on/off, documentation, image algorithms, zoom, white balance etc.) can be activated under sterile conditions
- CMOS zoom camera head PV482 and 3CMOS zoom camera head PV485 with 2 times optical and 1.8 times digital zoom
- Pendulum camera head PV481 with 1.8 times digital zoom
- Sterrad compatibility

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FLOW50 INSUFFLATOR

Article Code PG150



- 50 l/ min. gas flow rate
- 4 preset indications: Standard (lap. GYN, lap. URO, lap. GS), bariatrics, paediatrics, cardio
- 5.7" touch screen with intuitive handling
- integrated smoke evacuation
- new Aesculap Corporate Design
- Universal gas connection with pressures from 2.7 up to 80 bar
- availability of single-use heating tubes
- Aesculap-specific Hybrid tube set: multiple cassette with sterile patient tube for gas extraction

ENDO CART NARROW

Article Code PV800

- available as narrow and wide version
 - wide cart: 942mm (PV810)
 - narrow cart: 703mm (PV800)
- 4 tableaus, thereof 3 height adjustable
- lockable back panel
- integrated cable channels in side rail
- main switch on lateral side rail
- lockable antistatic double wheels
- versatile range of accessories for individual set-up

