

Intuitive & Smart Solution



About Duo[®]

Ackermann Duo[®] is the intuitive and convenient 2-in-1 solution that combines a Full HD camera control unit and a powerful LED lightsource.

It is engineered for both, consulting and operating room for multi-disciplinary use - taking the first step between consultation and the surgical act. Created with cutting edge technology and futuristic design, this unit, due to this compact size and elegant design, takes less than 1 m² floor space with a trolley.



2in1 Cam & LED



ACKERMANN FULL HD Camera System



KEY FEATURES

- ✓ Full HD *Exmor^{RTM}* CMOS Sensor camera technology
- ✓ LED lightsource 180W Xenon equivalent
- ✓ 3 programmable buttons on camera head

TECHNICAL SPECIFICATIONS

CAMERA CONTROL UNIT & LED LIGHTSOURCE

- ✓ Automatic white balance
- ✓ Video Outputs → 1 HDMI; 1 HD-SDI/3G-SDI; 1 USB 3.0 micro B
- ✓ Recommended USB stick format → FAT32
- ✓ Electronic iris shutter
- ✓ Compatible with Ackermann, Storz® and Olympus® light cables
- ✓ LED lightsource technology equivalent to 180 Watts Xenon
- ✓ Manual adjustment of the light intensity
- ✓ Anti-blinding feature with light cable detection
- ✓ Automatic thermal protection system
- ✓ LED lifetime up to 50.000 hours
- ✓ Colour temperature → 5.000 K
- ✓ Brightness, details, red and blue gains, color adjustments
- ✓ Gain → Off / Low / High
- ✓ On-screen displayed adjustments
- ✓ "SAVE" function
- ✓ "RESET" function
- ✓ Digital zoom
- ✓ Full HD Image
- ✓ Touchscreen
- ✓ 17 languages
- ✓ Dimension
- ✓ Weight → 1,6 A
- ✓ Protection
- ✓ Power supply
- ✓ Power consumption
- ✓ 2x T 1,6 A
- ✓ Continuous

CAMERA HEAD

- ✓ 1x CMOS Exmor RTM technology 1/2" Full HD sensor
- ✓ 3 programmable buttons
- ✓ Automatic electronic shutter (1/50 to 1/100.000)
- ✓ Resolution → 1920 x 1080 pixels
- ✓ Definition → 1080 lines
- ✓ Active pixel area → 1920 x 1080
- ✓ Cable length → 2,99 m
- ✓ Dimensions (D x H) → 130 x 47 mm
- ✓ Weight (camera head only) → 152 g
- ✓ Protection type → IPX7 (waterproof)
- ✓ 24 mm HD
- ✓ C-mount, s
- ✓ Weight → 8
- ✓ Protection

ITEM #

16-2009





ACKERMANN DUO System & LED Lightsource

Function to memorize the settings
Function to restore to the factory settings
Zoom up to 2.5x
Images recorder integrated (USB) / Format .tiff
Control with intuitive interface
Dimensions (W x H x D) → 260 x 100 x 215 mm
Weight → 1.9 kg
Protection type → IPX0 (not drip-proof)
Supply → 100 - 240 VAC / 50 - 60 Hz
Power consumption → 85-95 VA
Requires 250 V fuses (Marked UL/CSA only)
Requires service

Requires
Coupler
Cable holder with locking mechanism
Weight → 37g
Protection type → IPX7 (waterproof)





ACKERMA Full Fle

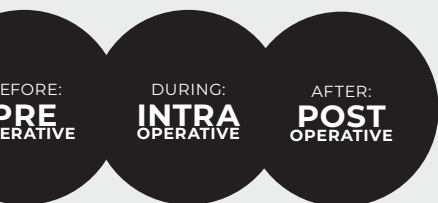
- 3 PROGRAMMABLE BUTTONS
- COMPACT 2IN1 UNIT
- INTUITIVE NAVIGATION
- IDEAL FOR DAILY PRACTICE

- 50.000h LED LIFE-TIME
- 1920x1080p HIGH-QUALITY IMAGE
- INTEGRATED USB-REC

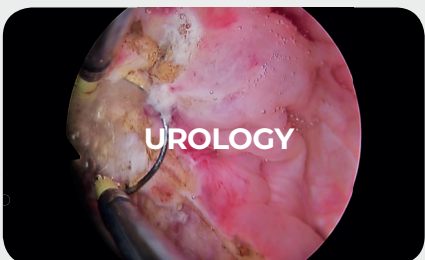
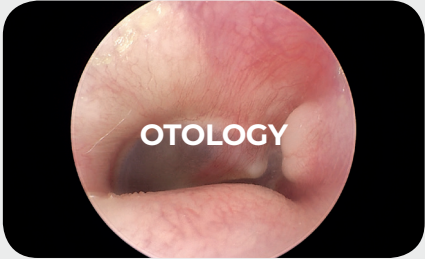
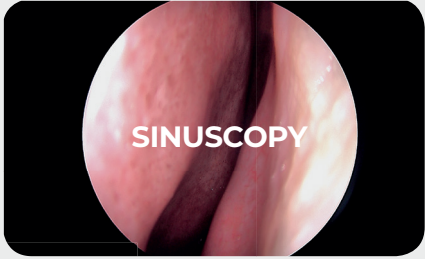
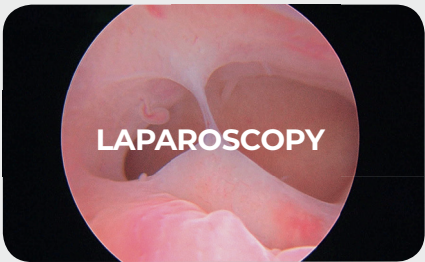




ACKERMANN DUO Flexibility



CAN BE USED FOR
VARIOUS
APPLICATIONS





www.ackermanninstrumente.de