



ABKAR MEDICAL
EQUIPMENTS L.L.C

Reliable Partner in Helathcare



+971 56 2351038
+971 50 6746653
+971 55 5546653

Abkar Medical Equipments L.L.C
P.O. Box: 11037, Shop #4, Zarouni Building
Opp. Azhar al Madina Hypermarket,
Al Maktoum Hospital Road,
Deira, Dubai, UAE

OUMAN
Medical

Endoscopy System

otoscope, nasoscope, laryngoscope,
arthroscope, hysteroscope, laparoscope,
vapour-resectoscope, etc.



3CHIPS UHD Endoscope Camera



3Chips UHD Endoscope Camera OM-910HDA TECHNICAL DATA

W.B.:	Manual
Output Resolution:	1920x1080P 50/59.94Hz
Video Output Interface	HD-SDI, CVBS, HDMIx2, USB,DVIx2, VGA, RJ45
Control Panel	7 inch LCD touch screen,multi-surgery model choose,camera,record,WB, freeze
Control Button	4 Self-define control button
Horizontal Resolution:	≥ 1100 Lines
Scanning Format:	Progressive-scan 16:9
Min Illumination:	0.2 lux
SNR: 60dB	Auto
Foucs Sensitivity	Standard ≥2000 I*F8 /3200K
Automatic And Digital Control Of Images	

Video Coupler: Optional F16,F18,F20,F22,F25,F28,F32,F35

Cold Light Source OM-826A TECHNICAL DATA

Power:	AC220V,50HZ
LED Power:	100W
Illumination:	≥ 1,400,000Lux
Output Luminous Flux:	1800Lm
Color Temp:	3000K-7000K
CRI:	≥ 90
Lamp Life:	≥ 30,000 Hours
Spectral Range:	400~700nm
Noise:	≥ 55dB
Min Illumination:	0.5Lux × F2.0
Optical Output Path:	Single Channel

Application scope:

Be used in hospital for clinical endoscopic surgery, to amplify video or gain images during inside-body surgery.

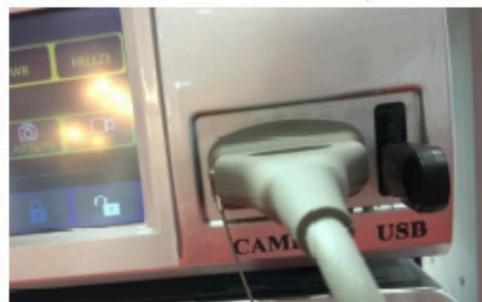
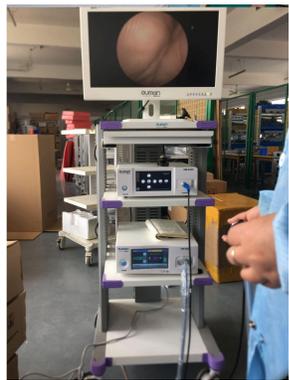
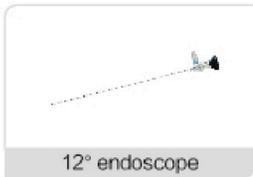
otoscope, nasoscope, laryngoscope, arthroscope, hysteroscope, laparoscope, vapour-resectoscope, etc.

Working Principle

This equipment be connected to endoscope through optical coupler, and then accurately shine light at the lesion. The lesionshined by endoscope, and real-time tracing will be recorded then transmitted as video signals by CCD camera to image monitor or monitor or computer workstation for picture processing.



Applied for Ureteroscope, Fiber bronchoscope, Intervertebrale Foramen, Arthroscope etc.



4K
ULTRA HD

Medical Monitor



Endoscope camera

Led Light Source

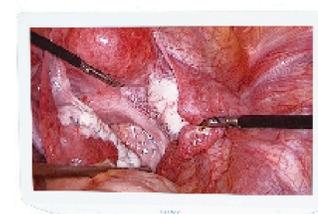
CO2 insufflator

Irrigation Pump



Remote control of locking white balance and freeze through camera;
 Waterproof camera, can be soaked for disinfection;
 Digital output, no image flicker, no signal loss;
 One-click single image freeze;
 Simplified OSD menu design, easy and intelligent button operation

Endoscope Camera OM-910HDA/ OM-910HDB/ OM-910HDC	1 Set (Optional)
Cold Light Source OM-826A	1 Set
Medical Monitor OM-2410HD	1 Set (Optional)
Laparoscope/Diskoscope/Arthroscope/Bronchoscope/Ureteroscope etc	1 Set (Optional)
Computer Workstation	Optional
Surgical Instruments	Optional
Four Floors Metal Cart	1 Set



Technical Specifications:

Image sensor	SONY SUPER HAD CCD
Output resolution	PAL 795(H)*596(V)
Scanning system	PAL 752Lines, 50 field/second
Horizontal resolution	≥700 lines
Video output	1.0Vp-p, 75Ω
SNR(Signal Noise Ratio)	> 52db
White balance	Automatic
Minimum illumination	0.5 lux*F2.0
Gamma correction	0.45
Scope of white balance	2200~15000°K
Electronic shutter	1/50~1/100000s continuous
Synchronizing mode	Internal synchronization
Material	metal case





4K Resolution Ultra HD System

1080p Resolution Full HD System





ABKAR MEDICAL
EQUIPMENTS L.L.C

Reliable Partner in Helathcare



