MAGELLAN Medical Systems

Portable Diagnostic Solutions

Endoscopy & System Catalogue

www.magellanmedsys.com

About Us

Magellan Medical Systems is a hi-tech startup company engaged in developing innovative technologies and products in mobile diagnostic imaging markets for medical, veterinary and Non-Destructive Testing (NDT) applications. Owing to global population aging and high-cost healthcare, demands for precision medicine and "point-of-care" services are rapidly increasing. Great potential also exists for low cost and portable imaging devices in the world markets.

We are 100% committed to innovation and customer satisfaction.

OUR MISSION:

1. Develop innovative products
2. Deliver high-quality "Point-of-Care" solutions
3. Lower healthcare costs

OUR VALUE:

1. Cost-effective & high-quality
2. knowledgeable support & outstanding service
3. Passion & customer satisfaction

CATALOGUE

Fulll HD 1080P endoscopy Camera ---------- P1

16 inch Full HD 1080P integrated endoscopy Camera---------- P2

24 inch Full HD 1080P integrated endoscopy Camera ---------- P3

16 inch Full HD 1080P integrated endoscopy Camera---------- P4

24 inch Full HD 1080P integrated endoscopy Camera ---------- P5

Lap-top Style 1080P Endoscopy Integrated Camera ---------- P6

LED Cold Light Source ---------- P7

CO2 insufflator---------- P8

Electronic Surgical Unit---------- P9

Irrigation Pump ---------- P10

Shaver System ---------- P11

Electronic Surgical Unit---------- P12

Medical Monitor ---------- P13

Optical coupler ---------- P14

Light Cable---------- P15

Endoscopy ---------- P16

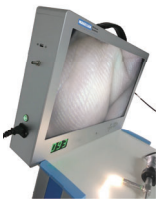
HD Endoscopy Camera
(Sony Single CMOS, 1080P)

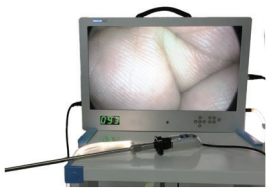
ITEM NAME	FHD Endoscopy Camera	Item Model #	MMS-S180
Specifications		Advantages/Features	
Active	1920(H)X 1080(V)	Button Functions of Camera Head Can be Customized and 10 groups of surgeon scenes can be stocked in system for Direct diagnosis/Surgeon without unnecessary camera parameter adjustment,extremely convenient	
Horizontal Resolution	1080P Video output		
Minimum Illumination	20L X F1.4	Support USB recording for image and Video for medical conference,medical analyse and medical communication	
Required Illumination	2000L X F5.6		
Signal/Noise Ratio	>= 54 dB	IPX8 waterproof and Autoclave Camera Head with 100% Pure Aluminum	
Video Output Model	HDMI, DVI,VGA		
Network	Support IPAD/IPHONE/PC	5mm Thickness Aluminum Housing box with perfect performance on Anti-Electromagnetic Interference	
Pack G.W	5.0kg		
Pack Dimension	435x325x220mm	Support LAN Network, compatible with IPAD/IPHONE/PC by WIFI or LAN connection, Useful for Medical Training and Education	
Camera Head Dimension	Diameter 36mm x L 95mm		

Portable, HD Video Endoscopy System (16" Monitor, 1080P, TV Standing Style)

Name	FHD Integrated System	Model#	MMS-CPT16
Specifications		Advantages/Features	
Camera System	Video output is 1920X1080P 50/60fps	Perfect performance of anti-electronic-magnetic interference because of pure Aluminum for Camera Head and machine housing.And the Camera head is soakable and Autoclave	
	Effective Pixels is no less than 2.07 M Pixels		
	Scanning system is Progressive Scanning		
	AWB,Freeze,Zoom,Brightness&Color adjustment are operated by menu		
	Record Format is MP4 and Image Stock is JPEG by USB	Monitor is working without any flash with High brightness 450Cd/m² as well as filtering blue light	
	Record Device is USB		
	Output port is SDI		
LED cold light System	LED lamp is imported from USA		
	LED Power is 80 Watt		
	Illumination is 2,000,000 Lux	Handle portable,wide application for different section of Hospitals and outdoor diagnosis	
	Color temperature is 5700-6500K		
	CRI is no less than 90		
	Lamp Life is about 60000H		
16 inch Monitor System	Screen is Medical Standard		
	Brightness is 450Cd/m²		
	Angle Of View is 178 °	Can be connected with large size monitor directly to offer doctors perfect surgeon view for accurate diagnosis and surgeon	
	Colors is 16.2 millions		
Pack Info	ITEM weight is 7.9 KG		
	Carton Dimension is 560x240x380mm		
	Carton G.W is 12.8KG		

Portable, HD Video Endoscopy System (24" Monitor, 1080P, TV Standing Style)





Item Name	FHD Integrated System	Model#	MMS-CPT24
Specifications		Advantages/Features	
Camera System	Video output is 1920X1080P 50/60fps	Perfect performance of anti-electronic-magnetic interference because of pure Aluminum for Camera Head and machine housing.And the Camera head is soakable and Autoclave	
	Effective Pixels is no less than 2.07 M Pixels		
	Scanning system is Progressive Scanning		
	AWB,Freeze,Zoom,Brightness&Color adjustment are operated by menu		
	Record Format is MP4 and Image Stock is JPEG by USB	Monitor is working without any flash with High brightness 450Cd/m^2 as well as filtering blue light	
	Record Device is USB		
	Output port is SDI		
LED cold light System	LED lamp is imported from USA		
	LED Power is 80 Watt		
	Illumination is 2,000,000 Lux	Handle portable,wide application for different section of Hospitals and outdoor diagnosis	
	Color temperature is 5700-6500K		
	CRI is no less than 90		
	Lamp Life is about 60000H		
24 inch Monitor System	Screen is Medical Standard		
	Brightness is 450Cd/m^2		
	Angle Of View is 178 °	Can be connected with large size monitor directly	

Portable, HD Video Endoscopy System (16" Monitor, 1080P, TV Standing Style)

Item Name	FHD Integrated System	Model#	MMS-CP15
Specifications		Advantages/Features	
Camera System	Video output is 1920X1080P 50/60fps	Perfect performance of anti-electronic-magnetic interference because of pure Aluminum for Camera Head and machine housing.And the Camera head is soakable and Autoclave.Also, Button functions can be customized	
	Effective Pixels is no less than 2.07 M Pixels		
	Scanning system is Progressive Scanning		
	AWB,Freeze,Zoom,Brightness&Color adjustment are operated by menu		
	Record Format is MP4 and Image Stock is JPEG by USB	Monitor is working without any flash with High brightness 450Cd/m² as well as filtering blue light	
	Record Device is USB		
	Output port is HDMI/SDI/DVI		
LED cold light System	LED lamp is imported from USA		
	LED Power is 80 Watt		
	Illumination is 2,000,000 Lux	Handle portable,wide application for different section of Hospitals and outdoor diagnosis	
	Color temperature is 5700-6500K		
	CRI is no less than 90		
	Lamp Life is about 60000H		
16 inch Monitor System	Screen is Medical Standard		
	Brightness is 450Cd/m²		
	Angle Of View is 178 °	Can be connected with large size monitor directly to offer doctors perfect surgeon view for accurate diagnosis and surgeon	
	Colors is 16.2 millions		
Pack Info	ITEM weight is 7.9 KG		
	Carton Dimension is 560x240x380mm		
	Carton G.W is 12.8KG		

Portable, HD Video Endoscopy System (24" Monitor, 1080P, TV Standing Style)

Item Name	FHD Integrated System	Model#	MMS-CP23
Specifications		Advantages/Features	
Camera System	Video output is 1920X1080P 50/60fps	Perfect performance of anti-electronic-magnetic interference because of pure Aluminum for Camera Head and machine housing.And the Camera head is soakable and Autoclave.Also, Button functions can be customized	
	Effective Pixels is no less than 2.07 M Pixels		
	Scanning system is Progressive Scanning		
	AWB,Freeze,Zoom,Brightness&Color adjustment are operated by menu		
	Record Format is MP4 and Image Stock is JPEG by USB	Monitor is working without any flash with High brightness 600Cd/m² as well as filtering blue light	
	Record Device is USB		
	Output port is HDMI/SDI/DVI		
LED cold light System	LED lamp is imported from USA		
	LED Power is 80 Watt		
	Illumination is 2,000,000 Lux	Handle portable,wide application for different section of Hospitals and outdoor diagnosis	
	Color temperature is 5700-6500K		
	CRI is no less than 90		
	Lamp Life is about 60000H		
24 inch Monitor System	Screen is Medical Standard		
	Brightness is 600Cd/m²		
	Angle Of View is 178 °	Can be connected with large size monitor directly to offer doctors perfect surgeon view for accurate diagnosis and surgeon	
	Colors is 16.2 millions		
Pack Info	ITEM weight is 12.8 KG		
	Carton Dimension is 300x550x750mm		
	Carton G.W is 18.6KG		

Portable, HD Video Endoscopy System (15.6" Monitor, 1080P, Lap-top Style)

Item Name	FHD Integrated System	Model#	MMS-AS180
Specifications		Advantages/Features	
Camera System	Video output is 1920X1080P 50/60fps	Perfect performance of anti-electronic-magnetic interference because of pure Aluminum for Camera Head and machine housing.And the Camera head is soakable and Autoclave.Also, Button functions can be customized	
	Effective Pixels is no less than 2.07 M Pixels		
	Scanning system is Progressive Scanning		
	AWB,Freeze,Zoom,Brightness&Color adjustment are operated by menu		
	Record Format is MP4 and Image Stock is JPEG by USB	Monitor is working without any flash with High brightness 600Cd/m² as well as filtering blue light	
	Record Device is USB		
	Output port is HDMI/SDI/DVI		
LED cold light System	LED lamp is imported from USA		
	LED Power is 40 Watt		
	Illumination is 2,000,000 Lux	Handle portable,wide application for different section of Hospitals and outdoor diagnosis	
	Color temperature is 5700-6500K		
	CRI is no less than 90		
	Lamp Life is about 60000H		
15.6 inch Monitor System	Screen is Medical Standard		
	Brightness is 600Cd/m²		
	Angle Of View is 178 °	Can be connected with large size monitor directly to offer doctors perfect surgeon view for accurate diagnosis and surgeon	
	Colors is 16.2 millions		
Pack Info	ITEM weight is 8.2 KG		
	Carton Dimension is 560x240x380mm		
	Carton G.W is 12.7KG		

Endoscopic LED Cold Light Source Machine

ITEM NAME	Endoscopic LED Cold Light Source	Item Model #	MMS-L100
Specifications		Advantages/Features	
Illuminance	>= 2000000 Lux	LCD screen showed the machine used time, date, brightness,machine temperature. System is equipped with memory function to Calculate the used time.	
Color temperature	5700-6500K		
LED Power is 80 Watt	80 Watt	Scroll rotating button, convenient for Adjustment	
CRI	>= 90		
Lamp Life	<= 60000 H	5mm Thickness Aluminum housing, stiff housing, endurable	
Item Size	300*200*100mm		
Item Weight	5.5kg	Brightness has no dark area, extremely average coverage	
Carton Dimension	435x325x220mm		

ENDOSCOPIC CO2 INSUFFLATOR

Product Name	CO2 Insufflator	Model	MMS-CL40
SPECIFICATIONS		Features	
Voltage	AC100-240V/50HZ/60HZ		
Rated Power	50VA	*** Smart supervision for hidden danger	
Range of Pressure	3-25mmHg	*** Max 40 liters	
Range of Flow	0-40L/MIN	*** Smart alarm Voice for working status	
Safe Classification	Type I Model B	*** Pressure/Gas released with one key touch	
Run Mode	Inter Loading/Cont.Duty	*** Hardware/software are protected multiply	
Noise	<= 50dB	*** Good touching key button on front Panel	
Item Size	530x420x280mm		
Item Weight	9.6kg		

ENDOSCOPIC MEDICAL PRESSURIZER/SUCTION IRRGATION

ITEM NAME	SUCTION IRRIGATION	MODEL#	MMS-SI314
SPECIFICATIONS		**FEATURE**	
Voltage	AC100-240V/50HZ/60HZ		
Rated Power	50VA		
Working Temperature	0℃～40℃		
Working Moisture	<= 80%		
POS pressure Range	10Kpa～50Kpa,5kPa/Level		
NEG pressure Range	-10Kpa～-50Kpa,5kPa/Level		
Flow range	≥1000ml/min		
Suction Range	≥1500ml/min		
Working Noise	≤70dB		
Item Size	530x420x280mm		
Item Weight	10.8kg		

*** Automatic Control for Laparoscopy/Gynecology Surgeon

*** Reset pressure/flow range and Machine works automatically

*** Smart alarm Voice for working status

*** Hardware/software are protected multiply

*** Good touching key button on front Panel

MEDICAL IRRIGATION PUMP

ITEM NAME	SUCTION IRRIGATION	MODEL#	MMS-IS110
SPECIFICATIONS		**FEATURE**	
Voltage	AC100-240V/50HZ/60HZ		
Rated Power	50VA		
Working Temperature	0℃～40℃		
Working Moisture	<= 80%	*** Automatic Control for Laparoscopy/Gynecology Surgeon	
POS pressure Range	10Kpa～50Kpa,5kPa/Level	*** Reset pressure/flow range and Machine works automatically	
NEG pressure Range	-10Kpa～-50Kpa,5kPa/Level	*** Smart alarm Voice for working status	
Flow range	≥1000ml/min	*** Hardware/software are protected multiply	
Suction Range	≥1500ml/min	*** Good touching key button on front Panel	
Working Noise	≤70dB		
Item Size	530x420x280mm		
Item Weight	10.8kg		

Medical Shaver System (Power system)

ITEM NAME	SHAVER SYSTEM	MODEL#	MMS-SS314
SPECIFICATIONS		FEATURE	
Voltage	AC 220V/50HZ	*** Designed per ergonomic with good interface and 5 inch LED display Screen *** Convenient to turn on/off *** Infinite rotating speeding violation with hand and foot switch *** Equipped with auto wind cool system, and no Heating while rotated with high speed *** Blades can be fixed and disassembled easily	
Rated Power	100VA		
Rotate Speed	0-6000r/Min,infinite speed violation		
Output moment of force	<= 45mNm		
Suction Flow	< 800ml/min		
Noise	>=50 dB		
Item Size	430x350x230mm		
Item Weight	8.5kg		

Full HD Medical Monitor

ITEM NAME	MEDICAL MONITOR	MODEL#	MMS-M24
SPECIFICATIONS		FEATURE	
Screen Size	24 Inches		
Resolution	1920*1200		
Brightness	450cd/m²		
Contrast	1000:1		
Response time	13ms		
Visual angle	178 degree H/V		
Hue	16.7M		
Item Weight	8.5kg		
Input	BNC/YC/RGB/yPbPr/VGA/DVI		
Output	BNC/YC/RGB/yPbP		
Power Supply	100-240V		
Color Temperature	5500K/6500K/7500K/9300K		
Working Environment	0-40 Centigrade/30-80% humidity		
Dimension	570*394*190mm		

*** High Brightness, High Contrast

*** 16.7M

*** Totally closed design for waterproof and dust-proof

*** Rich Port

***

Electro-Surgical Unit

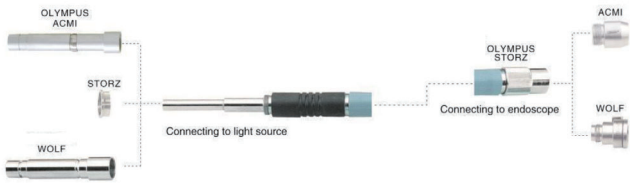
This intelligent product is designed for small-middle hospital.It has the feature including,pure cutting,blend 1,blend 2,monopolar contact coagulation and biopolar standard coagulation.While monopolar electrode can be both hand and foot controlled.Bipolar electrode is controlled automatically and by foot.The unit can automatically switch between monopolar and bipolar.The output power of the unit is digital displayed and its sound level can be adjusted.The malfunction of the unit can be self-diagnosed by the system. And its error code will be displayed with visual and audio alarm.NE CONTINUITY MONITOR of the system which intended for connection to an NE(single plates),can provide an alarm in the event of electrical discontinuity in the NE cable or its connection.As well neutral electrode contact quality monitor(CQM) which intended for connection to a MONITORING NE(SPLIT PLATES) can provide an alarm in the event that NE connecting with the patient becomes insufficient.This Unit can be used together with the endoscope to perform endoscopic surgery.It is intended for general surgery, orthopedic surgery,chest surgery, cardiovascular surgery,gynecology,urology, tumor,gastroenterology,neurology and so on.

Surgeon Style	Cutting			Congulation	Bipolar
	Pure cutting	Blend 1	Blend 2	Coag 1	Coag 1
Rated Power	350W	250W	200W	200W	70W
Rated Load	500Ω	500Ω	500Ω	500Ω	150Ω

Optical Coupler

	F14	F16	F18	F20	F22	F25	F28	F32	F35	Compatible
Rigid C-mount (1080P)	D48*L37mm, 76g	D48*L44mm,92g								WOLF,STORZ,SCHOELLEY,STRYKER, ACMI
Flexible O-mount(1080P)	D53*L41mm,103g									OLYMPUS
Flexible O-mount(1080P)	D53*L43mm,103g									PENTAX
Rigid C-mount Zoom(1080P)	F15-25	D48mm*L, 98g, Variable focus 12-18 mm at the back								WOLF,STORZ,SCHOELLEY,STRYKER, ACMI
	F18-36	D48mm*L, 120g,Variable focus 12-18 mm at the back								
Rigid C-mount Zoom(4K)	F20-35	D35mm*L, 135g,Variable focus ,3840 *2160 resolution								WOLF,STORZ,SCHOELLEY,STRYKER, ACMI

Light Cable



LENGTH	2 M	2.5 M	3 M
DIAMETER	5.0 MM	5.0 MM	5.0 MM

ENDOSCOPE

Section	Scope Name	Φ	Length	DOV
E.N.T	Sinuscope	2.7mm/3mm/4mm	175mm	0°/30°/45°/70°/90°/110°
	Otoscope	2.7mm/3mm/5.5mm	50mm,60mm,90mm,110mm,130mm	0°/30°/70°
	Laryngoscope	4.8mm/6mm/8mm/10mm	179mm/180mm/183mm/185mm/186mm	12°/70°/90°
SPLANCHNOCOELE	Laparoscope	5mm/10mm	290mm/325mm	0°/30°/70°
UROLOGY	Cystoscope	2.7mm/3mm/4mm	190mm/302mm	0°/12°/30°/70°
	Resectoscope	4mm	302mm/305mm	12°
	Urethrotome	3mm	302mm	12°
	Lithotriptoscope	7.5Fr/3mm/4mm	302mm/430mm	12°/70°
	Transcutaneouscope	15Fr/19Fr/19.5Fr	205mm/230mm/280mm	5°/12°
GYNECOLOGY	Hysteroscope	3mm/4mm/5.2mm/6.2mm/6.4mm	170mm/200mm/205mm/302mm	12°/22°/30°
	Resectoscope	4mm	302mm	12°/30°
ORTHOPEDICS	Arthroscope	2.7mm/3mm/4mm	175mm	0°/30°/45°/70°/90°/110°
ANUS-ENTEROLOGY	Proctoscope	4mm	175mm	0°/12°/30°
	Sigmoidoscope	4mm	302mm	0°/12°/30°

Magellan Medical Systems

MAGELLAN Medical Systems
Portable Diagnostic Solutions

Magellan designs and markets the radiographic, ultrasound and endoscopic products for medical and veterinary markets.

Magellan Medical Systems, Inc.

Add: 1552 S. Anaheim Blvd, Suite D, Anaheim, CA 92805
Tel : 949-878-1690
Website: www.magellanmedsys.com
Facebook: www.facebook.com/MagellanMedSys
Email: support@magellanmedsys.com