



Meditrax[®]
Equipments

MINIMAL INVASIVE SURGICAL SYSTEMS



www.meditraxequipments.com

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COMPANY PROFILE

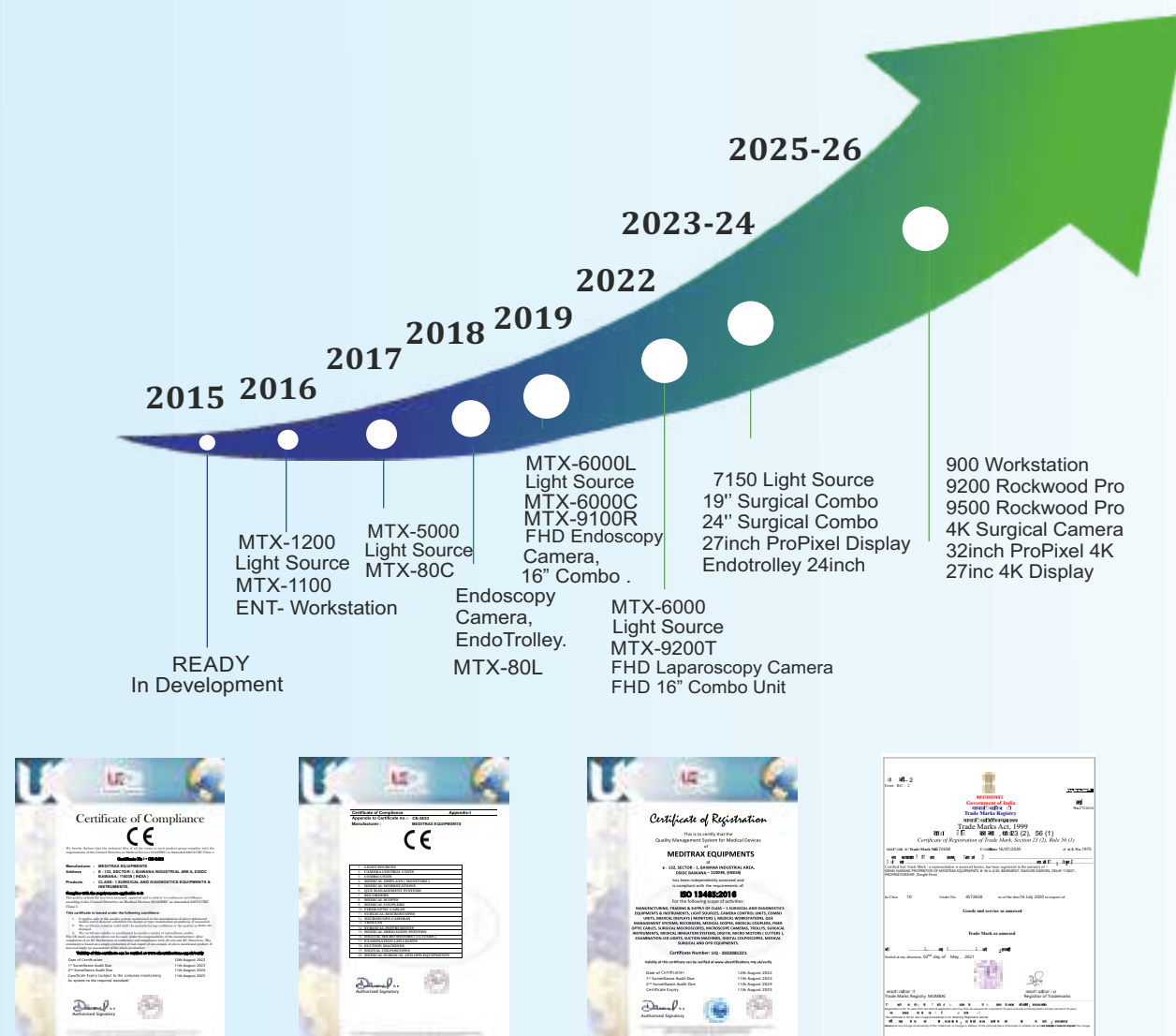


We feel glad to introduce our self as a leading INDIAN manufacturer of all kind of Laparoscopic, Endoscopic cameras , Cold LED light source, Endotrolley for ENT, Composite workstations, and many more under the brand name of Meditrax equipments. Maditrax equipments is the branch company of Global Electronics (which have experience in the field of camera for last 25 years),after hard work in R&D field of the medical equipment we started MEDITRAX EQUIPMENTS in 2015, Our technically perfect staff take care all necessary steps to make all equipment perfect in all aspects. We have more than 1000 installations all over India in private hospitals as well as Govt hospitals.

Meditrax equipments have own research and development team to improve their products time to time and make new mind blowing equipment in the field of medical.

Meditrax Equipments have ISO -13485:2016 and CE certificates.

We strongly believe as our tag line "THE DNA OF TECHNOLOGY"



Series of 4K Cameras



MTX-9500 + MTX-9180

4K SURGICAL SETUP



LED 9180 PRO SENSOR SERIES

Technical Parameters

180W Ultra Bright Imported LED
FO Detection Mode with Sensor Technology
Smart Intensity Control {10% ~ 100%}
180W High Density LED with 95+CRI
PWM with Smart Microprocessor
Illumination — 1600000 Lux at LED
Intelligent User Interface with Smart Step Control
Auto Adjustable Surgical Modes for Intensity Control
ENT / LAP / ARTH / URO / CUSTOM
LED Color Temp — 6500K
7 Inch Touchscreen Display for Light Source Control
Intelligent Sleep Control with Auto Resume
LED Working Hours and Temperature Display
MCU Monitors LED Power and Brings it into Safe Range
New Modular Design with Enhanced Airflow Architecture
Integrated Overheat Protection with Smart Cooling
STROZ Fiber Compatibility for FO Cables

Camera Technical Specification

- >> 1/1.7" Sony STARVIS CMOS Sensor with FPGA Medical Image Processor
- >> Native 4K Ultra HD Resolution (3840×2160p)
- >> 60FPS True 4K — Zero Frame Drop (FPGA Parallel Pipeline)
- >> 10-Bit Color Depth for True Surgical Color Accuracy
- >> Advanced Per-Frame HDR Tone Mapping
- >> Hardware-Level Noise Reduction with Real-Time Processing
- >> Per-Pixel Auto White Balance with Scene Memory
- >> Big Sensor Size Provides Maximum Brightness with Ultra Sharpness
- >> Sub-5ms Low Latency Video Pipeline
- >> Touchscreen for User Interface
- >> Brightness+Video+Photo+Zoom+B/W Touch
- >> Surgical Modes on Touchscreen Interface
ENT/LAP/URO/ARTH/F.SCOPE/CUSTOM
- >> Customizable Surgeon Presets with 4K Scene Profiles
- >> Built-in Image Enhancement Modes (Sharpness, Gain, Color Mapping)
- >> 4 Programmable Keys on Camera Head (WB+ZOOM+PHOTO+VIDEO)
- >> 4K HDMI 2.0 + 12G-SDI + DVI Output
- >> USB 3.1 Recording for Direct 4K Video Capture (Video+Photo)
- >> Recording with True Color Definition
- >> True Color Calibration for Easy Operations
- >> Medical Grade Enclosure — IEC/ISO Compliant
- >> Surge and Thermal Protection with Smart Cooling
- >> Modular Design for Easy Serviceability



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4K ENDOSCOPIC SYSTEM

CCUMTX - 944K UHD



4K

Technical Secification

CAMERA

- | | | | |
|-------------------------|------------------------------|----------------------------|--|
| • Sensor | - 1/1.2" Digital CMOS sensor | • Power Segment | - ESD Protection O/C Protection |
| • Resolution | - 3840*2160P @ 30 FPS | • Sensitivity | - 0.2 lux |
| • Resolution | - >2100 Lines | • Gamma curve | - Yes (default) |
| | | • Electronic Shutter | - 1/25~1/100000 |
| | | • Back light control | - Yes (auto) |
| | | • Sterilization Head | - ETO, Cides Tray, Formalin chamber |
| • Surgical modes | - | • Color accuracy | - 99% true color spectrum |
| ENT/LAP/ARTH/URO/NEURO | | • Color control | - (0-10) color setting |
| • Synchronization | - DSP with HDR | • Indicator | - power + camera connect |
| | | • Camera connector | - self locking metal case |
| | | • Camera head | - IPX4 rating |
| • White balance | - Yes (by pressing key) | • Camera head keys | - W/B+FREEZE
REC+PHOTO |
| | | | |
| • Signal to Noise Ratio | - 52db | • HDMI Output Resolution : | 2160p@30 Fps |
| | | • SDI Output Resolution | - 2160p@30Fps, 1080p @60Fps. |
| • Ir protection | - Yes (by IR cut filter) | • Output Format | - HDMI, EX-SDI, DVI |
| | | • Processor Chip | - 4K ultra HDR Sensor with low latency |
| • Output | - 4*HDMI+VIDEO+SDI | | |

4K ENDOSCOPIC SYSTEM

Product Intoduction

MEDITRAX EQUIPMENTS proud to introduce FIRST TIME MADE IN INDIA the state of art rigid and advance ENDOSCOPIC UNIT for Diagnostic + Surgical unit (4K CAMERA+CONTROL UNIT), it's easy to operate and use, FHD camera give you very good crisp and clear picture quality

Cmos-sensor which provides the true colour definition with the wide spectrum and colour gain curve. The CMOS technology is digital sensor technology integrated with the DSP (digital signal processor) to give the perfect picture quality. Colour Definition with 10-bit colour curve processing 60 frames per second

(Digital chipset) as this chip gives you very good depth of field of the picture and it comes with adjustable White Balance by pressing key, and can also adjust the Colour Gain function to adjust the colour gain according to your choice its very helpful function for getting the best results in diagnostics,

Camera head designed nicely for handy use and easy to operation with small size and premium quality material.

ON HEAD KEYS :

- **WHITE BALANCE** W/B control key to set the true colour format with the single touch of the button + indication led for the W/b report.
- **FREEZE KEY**- Freeze control key to freeze the image on the screen to show patient for any abnormalities for the reports with on head keys
- **BRIGHTNESS+** controls to increase the brightness of the image for better visual on display.
- **BRIGHTNESS-** controls to decrease the brightness of the image for better visual on display.

4K- TOUCH SCREEN USER INTERFACE



ROCKWOOD TOWER



Pro UHD Surgical Tower



Technical Specification

27" UHD ProPixel (10Bit)

Display Resolution: 2560 × 1440 (UHD)
Brightness: 600 cd/m²

UHD PRO FPGA System

Resolution: 2560 × 1440 (UHD)
Sensor: Sony CMOS Sensor FPGA Based
Frame Rate: 60 FPS (Low-delay processing)
Surgical Modes: ENT/LAP/URO/ARTH

Cold Light Source

Light Source Type: High-Intensity Medical-Grade LED
Color Temperature: ~5000–5500 K (Daylight White)

NeroFlow Hystro Pump

Pump Type: Medical-Grade Peristaltic Irrigation Pump
Flow Rate: Adjustable, wide flow range for precise irrigation
Pressure Control: Digitally controlled with safety limits
Tubing Compatibility: Universal disposable & reusable tubing sets

ROCKWOOD TOWER



PRO 4K Surgical Tower



Technical Specification

32" 4K ProPixel (10Bit)

Display Resolution: 3840 × 2160 (4K)
Brightness: 800 cd/m²

9500 PRO FPGA System

Resolution: 3840 × 2160 (4K)
Sensor: 1/1.7" Sony STARVIS CMOS with FPGA
Frame Rate: 60 FPS (Low-delay processing)
Surgical Modes: ENT/LAP/URO/ARTH

180W Cold Light Source

Light Source Type: High-Intensity Medical-Grade LED
Auto Adjustable Surgical Modes for Intensity Control
ENT / LAP / ARTH / URO / CUSTOM
LED Color Temp — 6500K
7 Inch Touchscreen Display for Light Source Control
Intelligent Sleep Control with Auto Resume

CO2 Insufflator 30L Adv

Gas Type: Medical-grade CO₂
Insufflation Pressure Range: 4 – 30 mm Hg
Flow Rate: 1 – 30 L/min continuous delivery
Input Pressure Range: 2 – 3 bar from CO₂
Standard Accessories:
Pressure regulator, High-pressure tube, Silicon patient tube with connector,



4K

Series of Cameras



MTX-9200 Touch

FHD ENDOSCOPIC UNIT



Technical Specification

Sensor Size 1/1.8 Sony CMOS Sensor with Medical DSP
Full High definition Camera Head(1920*1080P)
60FPS Low Delay
Touchscreen for User Interface
Brightness+Video+Photo+Zoom+B/W Touch
Surgical Modes on Touchscreen Interface
ENT/LAP/URO/F.SCOPE/CUSTOM
Big Sensor Size Provides Bright Image with Max Sharpness
10x Digital Zoom
Inbuilt USB Recording Feature(Video+Photo)
Full HD Recording with True Colors definition
4 Programmable Keys on Camera Head(WB+ZOOM+PHOTO+VIDEO)
DVI+HDMI+3G SDI OUTPUT+VIDEO+USB Flash Drive
True Color Calibration for Easy Operations



Series of Cameras



MTX-6000C Technical Specification

CAMERA

- Sensor- 1/2.8" Digital Cmos sensor
- Resolution- 1920*1080P
- Display Ratio- 16:9
- Image Processor- Medical Grade (Korean)
- Synchronization- Digital signal @2.9GHz
- White balance- Yes (by pressing key)
- Signal to Noise Ratio- 52db
- Ir protection- Yes (by IR cut filter)
- Output- HDMI + DVI
- Lens mount- C/Cs mount
- Cable- 2.8 meters
- Front panel- OSD (On Screen Display)
W/B + MENU controls
- Sensitivity- 0.2 lux
- Gamma curve- Yes (default)
- Electronic Shutter- 1/25~1/100000
- Back light control- Yes (auto)
- Color accuracy- 99% true color spectrum
- Anti glare- yes
- Output resolution- 1920*1080 HDMI + DVI



MTX-9100R Technical Specification

CAMERA

- Sensor- 1/1.8" Digital Cmos sensor (SONY)
- Resolution- 1920*1080P
- Display Ratio- 16:9
- Image Processor- Medical Grade (Korean)
- White balance- Yes (by pressing key)
- Output- HDMI + DVI + 3G-SDI + CVBS + USB
- Lens mount- C/Cs mount (22/25mm)
- Front panel- OSD (On Screen Display)
W/B + MENU controls
- Sensitivity- 0.2 lux
- Gamma curve- Yes (default)
- Electronic Shutter- 1/25~1/100000
- Back light control- Yes (auto)
- Color accuracy- 99% true color spectrum
- Anti glare- yes
- On Head Keys - 4 Programmable keys
- Color accuracy- 99% true color spectrum
- Recording- Video + Photo (camera head keys)
- USB Flash driver - Yes supported



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Series of Cameras



FHD ENDOSCOPIC UNIT

MTX-7188

Technical Specification

CAMERA

- Sensor - 1/1.2" Digital Cmos sensor
- Resolution - 1920*1080@60hz
- Display Ratio - full format ratio 16:9
- Image Processor - Medical Grade (Korean)
- Synchronization - Digital signal @2.9GHz
- White balance - Yes (by pressing key)
- Signal to Noise Ratio - 52db
- GAMMA - Yes (.45/.55/.65/.75)
- Output - HDMI+DVI+SDI+USB
- Lens mount - C/Cs mount
- Cable - 3-meters
- Front panel - OSD (On Screen Display)
- W/B + MENU controls
- Recording - USB flash drive
- Format - MP4 + JPG
- Surgical modes - yes (lap/uro/arth/ent/neuro)



- Electronic Shutter - 1/25~1/100000
- Back light control - Yes (auto)
- Color accuracy - 99% true color spectrum
- Anti glare - yes
- Output resolution - 1920*1080 HDMI + DVI
- Indicator - power + camera connect
- Camera connector - self locking metal case
- Camera head - IPX4 rating
- Camera head keys - W/B+FREEZE
- REC+PHOTO

MTX-9000S

Technical Specification

CAMERA

- Sensor- 1/2.8" Digital CMOS sensor 60FPS fast processor.
- Resolution- 1920*1080P
- Display Ratio- 16:9
- Image Processor- Medical Grade (Korean) low delay
- Red Blue Green colour processor
- White balance- Yes (by pressing key)
- USB recording on flashdrive
- IR protection- Yes (by IR cut filter)
- Output- HDMI + 3G-SDI + USB RECORDING
- Lens mount- C/Cs mount
- Cable- 2.8 meters
- OSD (On Screen Display) W/B + MENU controls



Series of TROLLEY



24" ENDOTROLLY MARK II (WORKSTATION)

Technical Specification

- HIGH RESOLUTION FHD DISPLAY 24" (or more provision)
- HIGH RESOLUTION ENDOSCOPY CAMERA WITH WHITE BALANCE
- HIGH CONTRAST RATE 1000:1
- 120 W COLD LED LIGHT SOURCE WITH FIBER OPTIC CABLE
- DUAL SPRAY WITH SPRAY INSTRUMENT
- HIGH PRESSURE SUCTION WITH SUCTION GAUGE
- 2L WASTE BOTTLE
- 2 SCOPE HOLDER
- 3 INSTRUMENT TRAY(s)
- COMPACT DESIGN FOR EASY INSTALLATION
- SPACE EFFICIENT BEAUTIFUL DESIGN
- **OPTIONAL: CAN UPGRADE CAMERA TO FHD SERIES & DISPLAY TO MEDICAL GRADE**
- **ADDITIONAL: CAN UPGRADE TO PRINTING SOFT. WITH HARDWARE**



SURGICAL COMBO



Technical Specification

• Sensor	- 1/1.2" CMOS	• LED age	- 40000 hr
• Sensor Resolution	- 1920*1080P @ 60 FPS	• Cable length	- Yes supplied 2.5 mtr 5 mm
• White balance	- Yes (by pressing key)		
• Signal to Noise Ratio	- 52db	FHD Recording	
• Sensitivity	- 0.2 lux	• Video recording	- Yes (USB)
• Electronic Shutter	- 1/25~1/100000+ auto	• Format	- H.264 MP4
• Back light control	- Yes (auto)	• Bit rate	- 16 Mbps
• R>G>B gain control	- Yes (factory setting)	• file size	- 2Gb/file(140Mb/min)
• Anti glair	- yes	• resolution	- 1920*1080p full hd
• Ir protection	- Yes (by IR cut filter)		
• Lens mount	- C/Cs mount	FHD monitor	
• Cable	- 2.8 meters	• Screen size	- 24" full HD
• Gamma correction	- YES	• Resolution	- 1920*1080P
• Synchronization	- prograssive scanning	• Display mode	- IPS
		• Panel brightness	- 800cd/m2
LIGHT SOURCE		• Contrast ratio	- 10000:1 NITS
• Led (light)	- ultra bright cold led	• OUTPUT	- HDMI+DVI+USB(REC)
• Led Power	- PWM 150W with sleep	• LCD control	- Yes (by pressing keys)
• colour temperature	- specific tone to 6500K		
• CRI	- specific tone CRI-91	Input Power	- 110~240V freq 50Hz
• feature	- sleepmode + working	(free voltage) fuse protected	
hours		HOUSING	
• Format	- digital PWM controlled	• TYPE	- Metal (baked painted)
• Operating frequency	- 150 Khz		carry case included + handle to lift unit

SURGICAL COMBO



Technical Specification

• Sensor	- 1/1.9" CMOS	• LED age	- 4000 hr
• Sensor Resolution	- 1920*1080P @ 60 FPS	• Cable length	- Yes supplied 2.5 mtr 5 mm
• White balance	- Yes (by pressing key)		
• Signal to Noise Ratio	- 52db	FHD Recording	
• Sensitivity	- 0.2 lux	• Video recording	- Yes (USB)
• Electronic Shutter	- 1/25~1/100000+ auto	• Format	- H.264 MP4
• Back light control	- Yes (auto)	• Bit rate	- 16 Mbps
• R>G>B gain control	- Yes (factory setting)	• file size	- 2Gb/file(140Mb/min)
• Anti glair	- yes	• resolution	- 1920*1080p full hd
• Ir protection	- Yes (by IR cut filter)		
• Lens mount	- C/Cs mount	FHD monitor	
• Cable	- 2.8 meters	• Screen size	- 19" full HD
• Gamma correction	- YES	• Resolution	- 1920*1080P
• Synchronization	- prograssive scanning	• Display mode	- IPS
		• Panel brightness	- 650cd/m2
LIGHT SOURCE		• Contrast ratio	- 1000:1 NITS
• Led (light)	- ultra bright cold led	• OUTPUT	- HDMI+ USB(RECORDING)
• Led Power	- PWM 120W with sleep	• LCD control	- Yes (by pressing keys)
• colour temperature	- specific tone to 6500K		
• CRI	- specific tone CRI-91	Input Power	- 110~240V freq 50Hz
• feature	- sleepmode + working	(free voltage) fuse protected	
hours		HOUSING	
• Format	- digital PWM controlled	• TYPE	- Metal (baked painted)
• Operating frequency	- 150 Khz		carry case included + handle to lift unit

GYNEA WORKSTATION



COLPOSCOPY WORKSTATION

Empowering Women's Health with Precision Diagnostics



Software Compatible*

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GYNEA WORKSTATION



COLPOSCOPY WORKSTATION

MEDITRAX EQUIPMENTS introduces state of the art **COLPOSCOPY WORKSTATION** fully-loaded with features, Diagnostic camera system with high resolution display with gives the observer a perfect vision for the treatment.

Cold Led Light Source with multi LED array + intensity control gives sufficient light for camera to produce sharp + detailed image. High resolution camera comes with balance color correction for the true color production. 1080p full HD gives the perfect picture for the sharp detail with differentiating redness or any abnormalities.

Stand-alone trolley system with colposcope giving doctor freedom to move without wire attached to fixed system. instrument tray + waste Cans gives doctor advantage to take biopsy + and keep the instruments properly organised. Trolley can be fitted with custom computer system + printer for the proper diagnostic report printout and file management system.

Technical Specification

- HIGH RESOLUTION CMOS sensor 1/1.8" full size sensor.
- Sensor Resolution FULL HD 1080P.
- Sensor output – 32 mega pixel.
- Magnification 52X optical + digital zoom
- Color filter (GREEN) for multiple mode
- image sensor technology (SONY Exmor)
- Advance auto focus technology with fast and precise AI
- full hd out (1920*1080p)
- SS Instrument Tray (2)
- LED light intensity control.
- Video out for display
- White Balance-Zoom- Focus control
- Trolley optional with instrument biopsy tray
- 24" display 1080p with trolley station
- included for all diagnostics with hospital and doctor name
- Ultra bright cold led light source with 60 deg focus intensity



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PRO WORKSTATION



INDIA's 1st ADVANCED TREATMENT UNIT

PRECISION
HYGIENE
EFFICIENCY



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PRO WORKSTATION



ENT WORKSTATION WS900

Technical Specification

Camera System

- Sensor - 1/3" CCD sensor
- Sensor Resolution - 1200 TV lines hi-resolution
- White balance - Yes (by pressing key)
- Signal to Noise Ratio - 52db
- Sensitivity - 0.2 lux
- Electronic Shutter
- Speed - 1/25~1/100000+ auto
- Back light control - Yes (auto)
- R>G>B gain control - Yes (factory setting)
- Anti glair - yes
- IR protection - Yes (by IR cut filter)
- Lens mount - C/Cs mount
- Cable - 2.8 meters

SUCTION SYSTEM

- SUCTION FLOW RATE: ≥ 55 L/MIN
- MAX VACUUM: -90 TO -98 KPA
- SECRETION JAR CAPACITY: 1.2LSEALED
- CANISTER

NOISE LEVEL: ≤ 42 DB

COMPRESSED AIR /SPRAY

- FREEFLOW AIRFLOW: ≥ 21 L/MIN
- ADJUSTABLE AIR PRESSURE CONTROL
- SUPPORTS MEDICATIONS/ DIAGNOSTIC
- SPRAY NOZZLES

LIGHTSOURCE (80W - 180W Configurable)

- LED ILLUMINATION OUTPUT: $\geq 180,000$ LUX
- COLOR TEMPERATURE: 5500-6000 K
- 10-STEP BRIGHTNESS CONTROL

BUILD & STRUCTURE

- BODY MATERIAL: POWDER-COATED
- MEDICAL STEEL
- **WORKTOP:** ANTI-BACTERIAL, CHEMICAL RESISTANT SURFACE

POWER & ELECTRICAL

- INPUTVOLTAGE: 230V AC, 50/60 HZ
- POWER CONSUMPTION: ≤ 600 W
- Built-in Overload & Thermal Protection System

Features & Functionality

INTEGRATED ENT FUNCTIONALITY

- High-performance Medicalsuction System
- Adjustable Compressed-air Spray (atomizer)
- Integrated Led Lightsource For Endoscopy
- Heating Module For Mirror / Instrument Warming
- Dedicated Sinus Wash / Irrigation Support
- Built-in Waste Management With Sealed Canisters

ENDOSCOPY & VISUALIZATION

- Mounting Structure For FHD/4K Monitor
- Endoscope Camera Compatibility (rigid & Flexible)
- Organized Pathways to Ensure Clean Workflow
- Optional Recording & Image Capture support

HEATING & WARMING SOLUTIONS

- Laryngeal Mirror /scope Warmer To Prevent Fogging
- Rapid Heating Technology
- Safe-to-touch Insulated Design

MULTIPURPOSE HEATED STERILIZATION CHAMBER

- Heated Fluid Reservoir Capable Of Warming Irrigation
- Solutions
- Dual-use Design Allows Clinicians to Also:
- Warm Instruments & Sterilize small Tools Between Procedures

WARM EAR IRRIGATION SYSTEM (BODY-SAFE HEATING)

- Automated Ear Irrigation System With Adjustable Pressure
- Fluid Heating Mechanism Maintains temperature At Optimum Body-safe Range ($\sim 37^{\circ}\text{C}$)
- Ensures Comfortable Earwax Removal, Reduces Dizziness Risk
- Uniform Warm-flow For Improved Patient Comfort
- Integrated Collection And Drainage Management



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PRO WORKSTATION



ENT WORKSTATION WS600

MEDITRAX EQUIPMENTS introduces state of the art ENT WORKSTATION (MARK-1) fully-loaded with features, diagnostic camera system with high resolution display with gives the observer a perfect vision for the treatment, Cold Led Light Source gives 100W output with mm imported fibre cable gives sufficient light for camera to produce sharp + detailed image.

High resolution camera comes with balance colour correction for the true colour production. 1200TVL gives the perfect picture for the sharp detail with differentiating redness or any abnormalities. Stand alone HEADLIGHT BATTERY OPERATED GIVES doctor freedom to move without any fibre attached with headlight. Dual spray can hold 2 medicine at a time for different use with out changing bottles both sprays can work at same time (advantage). 2000ml suction jar gives easy access for the replacement and drain of waste with auto stop valve.

High power led light gives ultra-bright lux with 5500k colour temperature which gives wide view to the observer in small and large cavity. SS INSTRUMENT TRAY + CAN made of high-quality steel which allows the unit to stay rust free for a longer time. FIBRE OPTIC CABLE – 2.3 Mtr fibre optic cable with German fibre gives 100% light output from the fibre to the scope for perfect view.

Technical Specification

- 1.Cold led light source 100 W.
2. Headlight Band stand alone with battery.
- 3.Instrument tray.
4. copper motor for spray + suction with diaphragm
5. Dual channel spray with suction (both can work at same time).
6. SS Instrument Tray (2)
- 7.Suction Machine with 2000 ML Jar auto stop suction valve.
8. Endoscope Holder 3 units
- 9.Gauge Peace holder for scope cleaning solution
- 10.Endoscopy High Resolution Camera with Sony sensor
- 11.full HD Icd Display High definition display 13.5" with 99% colour accuracy(800nits) brightness
12. Medicine bottle holder (CAN HOLDER)
13. 5 mm fibre optic cable 2.3 MTR IMPORTED
14. Waste can 3 units
15. GERMAN COUPLER 18/20/22MM OPTIONAL



Software Compatible*



Series of Cameras



ENDOSCOPIC UNIT

CCU-1111ENDOCARE Technical Specification



- Image Sensor- 1/3 Sony CCD
- Resolution-1200 TV lines
- HDR - for high contrast image
- Fast Process For Low Delay
- Electronic Shutter- 1/25~1/100000
- White Balance- Yes on Console
- Color accuracy- 99% true color spectrum
- Anti glare- yes
- Ideal for ENT OPD
- True Color Reproduction Technology
- Image Depth with Color Accuracy
- White Balance With Memory



CCU- 80LC

Technical Specification

- Combo- 80W LED with High Resolution Camera
- Camera 1200TVL with SONY sensor
- Gamma correction - 0.45 (factory)
- BLC control - YES (factory)
- OUTPUT- Video out PAL
- Powerful high density LED CRI>91
- Illumination - 800000 lux at led
- Colour temp.- 6000K
- Sleep Mode for OPD + minor surgery
- Free Input voltage 85V~240V 50 Hz
- Dimensions:- WXHXD 155mm x 155mm x310mm
- Weight: 3.2 kg approx



Software Compatible*



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Series of Cameras

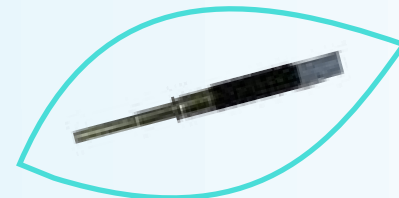


Diagnostic Combo Systems

MTX-6000GLC Technical Parameters



FIBRE COMPATIBILITY



- 120W LED with High Resolution Camera
- Camera 1200TVL with SONY sensor
- On Head Keys - White Balance
- BLC control - YES (factory)
- Gamma correction - 0.45 (factory)
- Medical Coupler - HD 20/22 mm
- Output - Dual output (RCA+BNC) Processor
- Free Input voltage 85V~240V 50 Hz
- Powerful high density LED CRI>91
- Illumination - 1200000 lux at led
- Colour temp.- 6000K
- Sleep Mode for OPD + minor surgery

CAMERA

- Image Sensor — 1/3 Sony CCD
- Resolution — 1200 TV Lines
- HDR — High Contrast Imaging
- Fast Processing — Minimal Signal Delay
- Electronic Shutter — 1/25 ~ 1/100000
- White Balance — Console Controlled with Scene Memory
- Colour Accuracy — 99% True Colour Spectrum
- True Colour Reproduction Technology
- Image Depth with Colour Accuracy
- External Video Output Supported

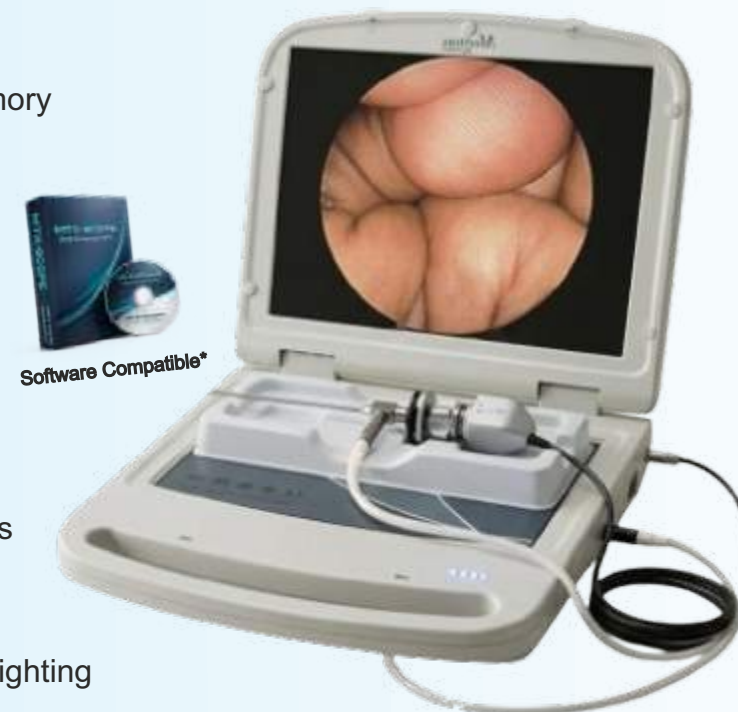
LIGHT SOURCE

- 120W Ultra Bright Integrated Cold LED
- Smart Intensity Control — 10% to 100%
- Illumination — 1,400,000 Lux at LED
- LED Colour Temp — 6500K with CRI >91
- LED Working Hours and Temperature Display
- Advance MCU Monitors LED Power Continuously
- STROZ Fibre Compatibility for All Standard FO Cables

DISPLAY

- Screen Size — 15.6" Full HD LCD
- High Colour Accuracy for True Tissue Representation
- Ultra Sharp Contrast — Optimised for OPD Ambient Lighting
- Fully Integrated — No External Monitor Required

MTX-15.6" Combo Technical Parameters



Series of Shaver Systems



Pro ENT Debrider System

MTX-CUT-100Pro Technical Parameters

Electrical Parameters

Power Supply: AC 220V $\pm$ 22V, 50Hz $\pm$ 1Hz

Rated Power: $\leq$ 50 VA

Fuse: BGXP-1A ($\varnothing$ 5 $\times$ 20)

Performance Parameters

Rotational Speed: Continuously adjustable

Speed Range: 1000 – 4000 RPM (5 Steps)

Maximum Output Torque: $\geq$ 15 mN·m

Minimum Output Torque: $\geq$ 5 mN·m

Handpiece Chucking Power: $\geq$ 20 N

Noise Level: $\leq$ 55 dB

Suction Capacity: $\geq$ 800 ml/min



Pro Arthro Shaver System

MTX-CUT200Pro Technical Parameters

- Linear Speed : Up to 12000 rpm
- Oscillation : Up to 5000 rpm
- Torque : Up to 350 mNm peak
- Dimension : 25cm X 27.5cm X 11cm
- Weight : less than 4Kg
- Supply : 90 – 240V, 50Hz
- Screen : Intuitive Touch screen
- Handpiece : Non-corrosive & autoclavable and light weight
- Technology : Sterilizable BLDC motor
- Certification : ISO 13485 and CDSCO



PRO PIXEL 4K MEDICAL DISPLAYS

Technical Specification

Display Specifications

Category: Surgical Monitor (Medical Grade)
Screen Size: 32 inch (80.0 cm)
Resolution: 3840 × 2160 (UHD 4K)
Aspect Ratio: 16:9
Panel Type: IPS
Pixel Pitch: 0.18159 (H) × 0.18159 (V) mm
Brightness (Typical): 800 cd/m²
Peak Brightness: 800 cd/m²
Contrast Ratio (Typical): 1000:1
Viewing Angle (CR ≥ 10): 178° (Horizontal) / 178° (Vertical)
Response Time (GTG): 14 ms (Off), 5 ms (Faster)
Surface Treatment: Protection Glass (1.6t, AR, AF)



32" 4K PRO PIXEL ULTRA SHARP

Connectivity

DisplayPort: Yes
DisplayPort Version: 1.2
HDMI: Yes
HDMI Version: 2.0

Image & Clinical Features

Auto Luminance Sensor: Yes
Black Stabilizer: Yes
Flicker Safe: Yes
Uniformity Compensation: Yes
Color Temperature Presets: 6500K / 7500K / 9300K
Manual Color Temperature: 5000K – 10000K
Factory Calibration: Yes (Delta E < 5)
Gamma: 1.8 – 2.6 / DICOM Curve
DICOM Mode: Yes (≤ 10%)
HDR Support: HDR10
HDR Effect: Yes
Smart Energy Saving: Yes

4K



27" 4K PRO PIXEL ULTRA SHARP

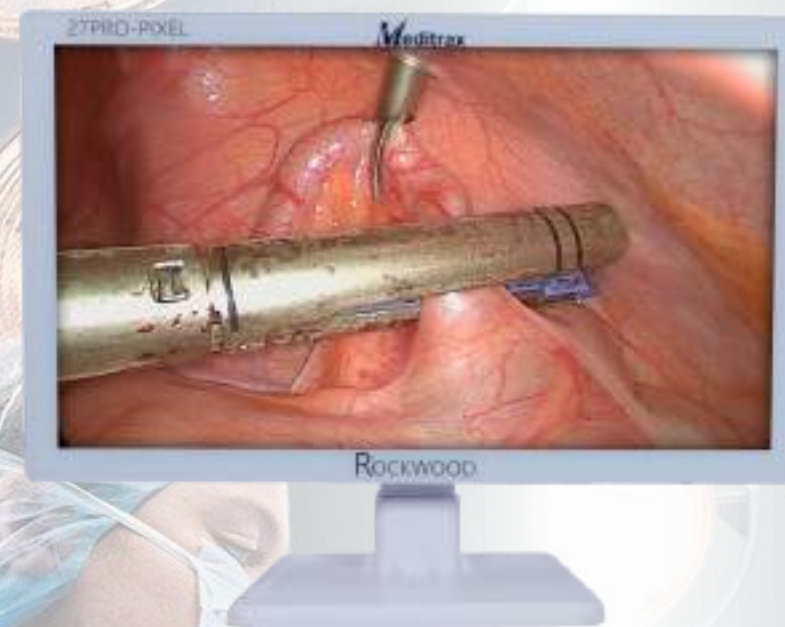
27" PRO PIXEL FHD

Technical Specification

Display Resolution: 1920 × 1080 (Full HD) – 2K Ready
Brightness: 900 cd/m²
Aspect Ratio: 4:3 / 16:9 / 16:10 (Selectable)
Panel Type: Medical-Grade IPS
Interface: HDMI / VGA / DVI
Viewing Angle: 178° (H) / 178° (V)
Colour Depth: 1.07 Billion Colors (10-bit Color Format)
Power Requirement: 100–240V AC
Mount Type: VESA (100 × 100 mm)

Image & Clinical Features

True Colour Reproduction: RGB (≥ 99% Colour Accuracy)
White Balance: Auto / Manual
Independent RGB Adjustment: Yes
Brightness Control: Adjustable
Color Calibration:
Hue & Saturation control (Red / Blue / Green / Yellow) for precise color tuning
Sharpness / Contrast / Colour Gain:
Weight: Approx. 10 kg



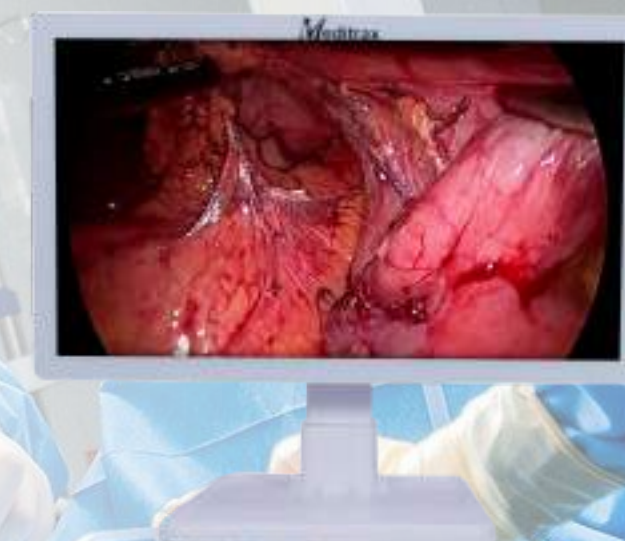
Technical Specification

ROCKWOOD-24 FHD

Display Resolution: 1920 × 1080 (Full HD)
Brightness: 700 cd/m²
Aspect Ratio: 16:9
Panel Type: Medical-Grade IPS
Interface: HDMI / VGA / DVI
Viewing Angle: 178° (H) / 178° (V)
Color Depth: 16.7 Million Colors
Power Requirement: 100–240V AC
Mount Type: VESA (100 × 100 mm)

ROCKWOOD-21 FHD

Display Resolution: 1920 × 1080 (Full HD)
Brightness: 650 cd/m²
Aspect Ratio: 16:9
Panel Type: Medical-Grade IPS
Interface: HDMI / VGA
Viewing Angle: 178° (H) / 178° (V)
Colour Depth: 16.7 Million Colors
Power Requirement: 100–240V AC
Mount Type: VESA (100 × 100 mm)



21" AND 24" PRO PIXEL FHD



Series of Light Source

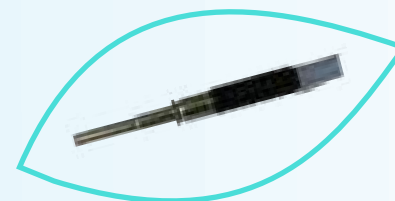


MEDITRAX LED LIGHT SOURCE

Technical Parameters LS-6000-T

- Key Features
- 4" Smart Touch screen display
- Intelligent user interface with smart step control
- Smart Intensity control {10% ~ 100%}.
- 120W ultra bright led light
- PWM with smart microprocessor :
- Illumination- 1400000 lux at LED
- Sleep Mode with resume mode
- LED color temp- 6500 with CRI>91
- LED working hours and led working temperature
- Advance MCU constantly monitors led power and brings it into safe range
- STROZ fiber compatibility for FO cables

FIBRE COMPATIBILITY



Technical Parameters LS-5000-T

- Key Features
- 4" Smart Touch screen display
- Intelligent user interface with smart surgical modes (ENT/ARTH/LAP)
- Smart Intensity control {10% ~ 100%}.
- 120W ultra bright led light
- PWM with smart microprocessor :
- Illumination - 1400000 lux at LED
- Sleep Mode with resume mode
- LED color temp- 6500 with CRI>91
- LED working hours and led working temperature
- Advance MCU constantly monitors led power and brings it into safe range
- STROZ fiber compatibility for FO cables



Series of Light Source



MEDITRAX LED LIGHT SOURCE

MTX-LS-80L Technical Parameters

- Cold led light source 80W
- Powerful high density LED CRI>91
- Illumination - 800000 lux at led
- Colour temp.- 6000K
- Smart Micro Controller based
- Digital Intensity control {2% ~ 100%}.
- Sleep Mode.
- Smart intensity bar display
- Free Input voltage 85V~240V 50 Hz
- Dimensions:- WXHXD 155mm x 155mm x 310mm
- Weight: 2.8kg approx
- Portable series light source



MTX-6000G Technical Parameters



- Smart Micro Controller based
- Digital Intensity control {10% ~ 100%}.
- 128X64 Graphical Display
- 110 Watts LED Power Output
- Illumination- 1100000 lux at LED
- LED color temp- 6000K
- LED CRI>91 with LED temp on display
- Sleep Mode
- Free Input voltage 85V~240V 50 Hz



Series of Accessories



ENDOSCOPY COUPLER

Technical Specification

- 4k Medical Coupler
- Wide Range (18/20/22/24/28)MM
- Crystal Lenses with Adjustable Focus Ring
- Anti Glare Coating
- Compatible with all C-Mount Medical Cameras



RIGID SINOSCOPIES



HD SINOSCOPE Technical Specification

- HD SINOSCOPE 0/30/70 Degree
- Wide Angle View
- 99% Light Pass with German Fiber
- Laproscope with Full HD Lense

HD RECORDER Technical Specification

- HD Medical Recorder for Recording Surgery & Presentation
- Full HD Recording with Single Press
- 1920*1080p Full HD Recording
- All Input for all Medical Cameras
- Recording with Remote
- Snapshot with Remote
- USB Flash Supports



FULL HD RECORDERS



Fibre Optic Cable Medical Fibre Optic Cable Stroz Type Technical Specification

- 5mm Fibre Dia 2.3MTR
- High Density German Fibre
- Stroz Compatibility

Endo Trolley



MEDITRAX ENDOSCOPY TROLLEY

Technical Secification

- Sensor - 1/3" CCD sony
- Resolution- 1200 TV lines
- White balance- Yes (by pressing key)
- Signal to Noise Ratio- 52db
- Sensitivity- 0.2 lux
- Electronic Shutter
- Speed- 1/25~1/100000+ auto
- Back light control- Yes (auto)
- Anti glair- yes
- Lens mount- C/Cs mount
- Cable- 2.8 meters
- Gamma correction- 4.5 Degree (by factory setting)
- Synchronization- prograssive scanning

LIGHT SOURCE

- Led (light)- ultra bright cold led
- Led make - german led module
- colour temperature - specific tone to 5600K
- CRI - specific tone CRI-91
- Cable length - Yes supplied 3 mtr

FHD monitor

- Screen size- 16" full HD
- Resolution- 1920*1080P
- Display mode - IPS
- Panel brightness - 650cd/m2
- Contrast ratio- 1000:1 NITS
- OUTPUT - VIDEO OUT RAC
- LCD control- Yes (by pressing keys)
- Input Power- 110~240V freq 50Hz (free voltage) fuse protected

HOUSING

- TYPE- Metal (baked painted)



•16" Standalone
Combo.



The DNA of Technology www.meditraxequipments.com

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