

ENDOSCOPIC INTEGRATED UNIT



MEDITRAX EQUIPMENTS proud to introduce FIRST TIME MADE IN INDIA the state of art rigid and advance COMBO UNIT (HR CAMERA+LIGHT SOURCE+HD DISPLAY) all in one, it's easy to operate and carry anywhere, HR camera give you very good crisp and clear picture quality (CCD SONY chipset from JAPAN) as this chip is 1200TVL high resolution gives you very good depth of field of the picture and it comes with adjustable white balance by pressing key, also you can freeze picture whenever you want by pressing freeze key its very help full function for diagnostics, camera head design is very good use very handy and easy to operate.

Light source- 4 years of hard work from our R&D team we develop this 80 watts light source for this unit we test it for longer time to prove its stability, we use the power LED from **Germany** And control by stat of art our own design with the latest micro processor control the LED

By Safer and smart PWM technology, it gives accurate steps by 2% to 100% intensity while pressing INTENSITY control keys UP/DOWN, we have one unique function like SLEEP, after pressing this key all parameters of intensity goes to 2% when you do not want to use for a shorter time, pressing again this key it resume to intensity that you were work on, this way we can save the life span of LED.

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You can check any time on the LCD the hrs which how long you use this equipment although LED life span is more than 50000 hrs.

Power supply factor is very delegate and highly accurate issue for every electronics equipments, we design our own power segment to protect any of damage due to power factor.

HD .MONITOR- We use 12" HD IPS panel from korea with the resolution of 1920*1080p For very good picture quality you can control all the parameters from the front panel Like color, brightness, contrast, ratio, and many more. Construction of housing is our UNIQUE DESIGN with long lasting hinges and the heat management system, the worst part in designing a housing is a heat management system (how to exhaust the heat) to protect equipment for long time operational.

Technical Secification

- Sensor - 1/3" CCD sensor
 - Sensor Resolution - 1200 TV lines
 - White balance - Yes (by pressing key)
 - Signal to Noise Ratio - 52db
 - Freeze - Yes (by pressing key)
 - Sensitivity - 0.2 lux
 - Electronic Shutter Speed - 1/25~1/100000
 - Back light control - Yes (auto)
 - R>G>B gain control - Yes (by factory setting only)
 - Anti glair - yes
 - Ir protection - Yes (by IR cut filter)
 - Lens mount - C/Cs mount
 - Cable - 2.8 meters
 - Gamma correction - 4.5 Degree (by factory setting)
 - Synchronization - serial data interface @ 2.9Gbps
 - Sleep mode - Yes (by pressing key goes to 2%)
 - Display - Digital LCD display 16*2
 - LED age - Yes with memory
 - Fiber cable - Yes supplied 2.30 Mtr
 - Cooling system - Equipped with 3 fans to exhaust heat
- FHD monitor**
- Screen size - 12" full HD
 - Resolution - 1080P
 - Display mode - IPS
 - Panel brightness - 650cd/m2
 - Contrast ratio - 1000:1 NITS
 - HDMI OUT - Yes (optional)
 - LCD control - Yes (by pressing keys)
- Input Power** - 110~240V freq 50Hz (free voltage)
- HOUSING**
- TYPE - Metal (baked painted) with 2 smooth hinges can tilt at any of angle without any jerk.
- DIMENTIONS (W*H*D)** - 300mm*110mm*220mm
- LIGHT SOURCE**
- Led (light) - 80 watts (ultra bright)
 - Operating system - Smart micro processor based
 - Intensity display - Yes (2% to 100% by steps)
 - Intensity Up key - Yes
 - Intensity Down key - Yes

