

Pro-X FHD

Precision in Every Pixel



- Precision Presets: Specialized Menus for Every Surgery
- Intelligent Lighting – Automatic Brightness Control
- Sony CMOS Sensor – High-Precision Image Capture



Endoscopy Camera

FHD

Technical Specification Pro-X

PARAMETER	SPECIFICATION/DETAIL
Sensor	1/1.8" Sony Cmos
Resolution	1080P 60fps (1920x1080)
Effective Pixels	1845(H) x 1097(V)
Minimal Illumination	0.017 Lux
SNR	> 42dB
Zoom	1-8X Digital Zoom
Interfaces	
Input	SDI 1080P 60FPS
Output	HDMI, DVI, SDI, CVBS
USB Port	Video Footage Store
SATA Port	Video Footage Store
RS232 Port	Yes
Control & Functionality	
AWB	Automatic / Automatic EX / Manual
Freeze	Supported
Digital Noise Reduction	Supported
Backlight Compensation	Supported
Highlight Suppression	Supported
Gain Setting	Supported
Video Record Format	AVI (U disk)
Photo Format	JPG
RTC	Supported
Keypad Control	via RX/TX on motherboard & shortcuts
Regulatory & Design Standards	
Design Standards	IEC 60601-1-1, IEC 60601-1-2, IEC 60601-2-18
Compliance as per CDSCO	MD-5
Quality Management	ISO 13485

Set along with Pro-x FHD



FHD Camera Head



Telescopes

Feature of Pro-X FHD

- Camera head buttons for easy and precise surgeon control
- Customizable user interface for different surgical procedures
- High-performance 1/1.8" CMOS camera head with Full HD 1920x1080 resolution
- Advanced touch screen LCD control panel for smooth operation
- Intelligent auto light adjustment for optimal image clarity
- Compact and ergonomic design for comfortable use in OT

Recording & Connectivity Options

Direct USB recording support for surgical procedures

Simultaneous live streaming and recording capability

Compatible with central recording and hospital data systems

Function of Pro-X FHD

- Image mirror, flip & rotation control
- High precision contrast and brightness adjustment
- Advanced colour gain adjustment
- Natural and enhanced colour optimization settings
- High-speed electronic shutter control
- Adjustable dynamic range for clear visualization

Applications of Pro-X FHD

- Arthroscopy
- Laparoscopy
- Urology
- Gynecology
- Neuroendoscopy,
- TURP & ENT Surgeries.

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HEALTHCARE PVT LTD

SURGI XPERT

Corporate Office : 812,Lilamani Corporate Heights,Nava Vadaj
,Ahmedabad,Gujarat,380013

Manufacturing Unit : C11/4 GIDC Sec -25 ,Gandhinagar,Gujarat,382010



meditech2679@gmail.com
info@surgixpert.com



+919924497265
+918175051113
+916358720929



www.surgixpert.com

