



All India Institute of Medical Sciences, Bhubaneswar
At - Sijua (Patrapada), Post - Dumuduma, Bhubaneswar (Odisha) - 751 019

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Reference No: J-11049(050)/2022-23/S&P

Dated: 17 /11/2023

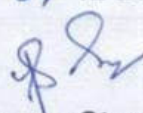
Sub: Procurement of 01 No. Endoscopy System make, Olympus, Japan- Model CV-1500 & GIF-H190 for the Department of Pediatrics at AIIMS, BBSR on Proprietary basis - Inviting Comments thereon.

The Department of Pediatrics of AIIMS, Bhubaneswar has projected for **Procurement of 01 No. Endoscopy System make, Olympus, Japan- Model CV-1500 & GIF-H190** from **M/s Mediplus, Bhubaneswar-751014** authorised agent of **Olympus Medical Systems India Private Limited, Gurugram (Haryana)** subsidiary of **M/s Olympus Corporation of Asia Pacific Ltd. of M/s Olympus Corporation, Japan.**

The Notice is being uploaded for general information of prospective manufacturer/Authorized Distributor/Dealers to submit their objection/proposal/comments if any, on proprietorship of the item. In case the product of any manufacturer/Authorized distributor/Dealer conforms to the enclosed specifications, they may submit their proposal for the supply of the same along with the brochures, point by point compliance of the enclosed specifications along with all documentary evidence. One quotation of the product may also be submitted.

The objections/comments/proposal should be sent in sealed cover to the Office of Sr. Procurement Cum Stores Officer, AIIMS, Bhubaneswar (Odisha) – 751019 or through E-mail to spo@aiimsbhubaneswar.edu.in, so@aiimsbhubaneswar.edu.in & stokee.gagan@aiimsbhubaneswar.edu.in so as to reach on or before **date: 04 -12-2023** failing which it will be presumed that no other firm is interested to offer comments/protest/object and case will be decided on its merits.

The Ref. No. – J-11049(050)/2022-23/S&P dt: 17-11-2023, due on dated: 04-12-2023 should be superscripted on sealed envelope.


Sr. Procurement-cum-Stores Officer I/C

Enclosure:

1. Proprietary Article Certificate from Indenting Officer of Department of Pediatrics, AIIMS, Bhubaneswar. **Annexure-I**
2. PAC of **Olympus Medical Systems India Private Limited**, Gurugram (Haryana) subsidiary of M/s Olympus Corporation of Asia Pacific Ltd. M/s Olympus Corporation, Japan. **Annexure-II**
3. Authorisation Certificate for **M/s Mediplus**, Bhubaneswar. **Annexure-III**
4. Specification. **Annexure-IV**
5. Quotation from **M/s Mediplus**, Bhubaneswar - **Annexure-V**
6. Technical Brochure - **Annexure-VI**
7. Additional Specification- **Annexure- VII**

Copy to:

- | | | |
|--|---|------------------------------|
| 1. Indenting Officer / HoD, Department of Pediatrics | : | for information please |
| 2. CVO | : | for information please |
| 3. DDA I/C | : | for information please |
| 4. Accounts Officer | : | for information please |
| 5. IT Cell | : | for hoisting in the website. |

Annexure-I

38

File No. and Date Reference :		
1	Description of article	Olympus Endoscopy System (GIF-H190) (CV-1500)
2	Forecast of quantity /annual requirement	One complete system
3	Approximate estimated value for above quantity	Rs. 81,53,320/- (Rupees Eighty one lakh fifty three thousand three hundred twenty only) including GST Rs. 99,03,320/-
4	Maker's name and address	Olympus Corporation, Japan (Rs Ninety Nine Lakh three thousand three hundred twenty only)
5	Name(s) of authorized dealers/ stockists	M/s Mediplus, 574 Lewis Road, B/108 1 st Floor Madhav Nilaya Apartment, Bhubaneswar (Odisha) -751014
6	I approve the above purchase on PAC basis and certify that:- Note- Tick to retain only one out of (b), C-1) or (c-2) whichever is applicable and cross out others. Please do confirm (a) by ticking it - without which PAC certificate will be invalid.	
6 (a)	This is the only firm who is manufacturing / stocking this item. AND	Yes
6 (b)	A Similar article is not manufactured / sold by any other firm, which could be used in lieu OR	Yes
6 (c-1)	No other make/brand will be suitable for following tangible reasons (like OEM/ Warranty, spares.) : OR, EDOF (Extended Depth of Field, RDI (Red Dichromatic Imaging, TXI (Texture and Colour Enhancement Imaging which will provide better treatment for children presenting with upper GI bleed (ulcer and varices) and polyps.	Yes
6 (c)	No other make/brand will be suitable for following intangible reasons (if PAC was also given in the last procurement cycle, please also bring out efforts made since then to locate more sources) : OR	
7	Reference of concurrence of finance wing to the proposal :	Final Available 10/4/23
History of PAC Purchase of this item for past three years may be given below :		
Name of the Supplier		
Order/ Tender Reference & Date	Quantity Ordered	Basic Rate on Order (Rs.)
Nil	Nil	Nil

Dr. Aditi
Assistant Professor
Department of Pediatrics
AIIMS Bhubaneswar-751019
Dr. Aditi Mahapatra
Professor and HOD
Department of Paediatrics
AIIMS Bhubaneswar-751019

Signature of Approving Authority.....
Date..... Designation of Officer.....
Signature of the Indenting Officer.....
Dr. Aditi
Assistant Professor
Department of Pediatrics
AIIMS, Bhubaneswar-751019

Date: 27.01.2023

Ref: OMSI/2021-22/4658

Proprietary Article Certificate

To,
The Director,
All India Institute of Medical Sciences Bhubaneswar
Sijua, Patrapada, Bhubaneswar, Odisha 751019,

Sub: Proprietary Article Certificate for Olympus X1 system Model CV-1500 with Gastrovideoscope Model GIF-H190 for department of Paediatrics

Dear Sir,

We, M/s Olympus Medical Systems India Pvt. Ltd. having our registered office at Ground Floor, Tower- C, SAS Tower, The Medicity Complex, Sector-38, Gurugram – 122001, Haryana, are subsidiary of Olympus Corporation of Asia Pacific Ltd. of M/s Olympus Corporation, Japan who are established and reputable manufacturers of the above said equipment having their office at 2951, Ishikawa- Cho, Hachioji-shi, Tokyo 192-8507, Japan

This is to certify and confirm that Olympus EVIS-X1 Unified Endoscopic Imaging Platform Model CV-1500 has following unique features.

1) EDOF (Extended Depth of Field):

Allow **precise observations** throughout continuous broad focus & seamless **magnification without compromising on field of view** and no blind spots (Phenomena of Full Focus). It **has two observation modes of Near and Normal** for sharper and detailed endoscopic image for better detection, diagnosis & treatment.

2) RDI (Red Dichromatic Imaging):

To make the therapeutic procedures safer it is a unique technology introduced in the Endoscopy for enhanced visibility of blood vessels and precise identification and localization of bleeding Points during endoscopy procedures.

It may also help to avoid delayed bleeding after endoscopic therapy. It may improve diagnosis of inflammatory diseases in colon and helps in managing Varices in GI track.

3) TXI (Texture and Colour Enhancement Imaging):

It Increases visibility of Mucosal Morphology (**Texture**), **Colour** patterns, Blood vessels and improve **brightness (BAI-MAC) of darker areas only- very useful in larger lumens like stomach & colon**, for detection of inflammation and flat/depressed lesions during entire endoscopy procedures.

4) NBI (Narrow Band Imaging): Has Unique NBI Technology (Real Time Optical Image Enhancement) has been Clinically proven with data from worldwide.

OLYMPUS MEDICAL SYSTEMS INDIA PRIVATE LIMITED.

Ground Floor, Tower-C, SAS Tower, The Medicity Complex, Sector – 38, Gurugram- 122001, Haryana, INDIA

Tel.: 0124-4999191, Fax: 0124-4999190 | Website: www.olympusmedical.co.in | CIN: U33110HR2009FTC039612

Assistant Professor
Department of Pediatrics
AIIMS Bhubaneswar-751019

- 5) The system is enabled with 12G-SDI output for 4K display on the UHD Monitor for better detection, diagnosis and treatment during endoscopy.
- 6) **5-LED Spectrum Technology:** For improved performance in Contrast & Color reproduction during endoscopy. It has got integrated LED light source having 5 LED lights consisting of Red, Green Blue Violet and special light Amber LED which makes the Light source warm enough for Improved and better performance in Contrast & Colour Reproduction of endoscopic Image.

Olympus CV-1500 System has following Compatibility and unique features.

1. Compatible with latest technology Motorized Power spiral Enteroscope.
2. Compatibility with Endocytoscope having magnifications of 520x & above.
3. Compatibility with Dual Focus & Flexible Video Cholangioscope.

No other company is making the above products with features as of now.

We do hereby confirm and certify that Olympus X1 system Model CV-1500 with Gastrovideoscope Model GIF-H190 are proprietary products for Olympus.

Yours sincerely,

Thanking you,

For M/s Olympus Medical Systems India Pvt Ltd

(Authorised Signatory)

Dr. Aditi
Dr. Aditi
Assistant Professor
Department of Paediatrics
AIIMS, Jalandhar-151019

OLYMPUS MEDICAL SYSTEMS INDIA PRIVATE LIMITED.

Ground Floor, Tower-C, SAS Tower, The Medicity Complex, Sector – 38, Gurugram- 122001, Haryana, INDIA
Tel.: 0124-4999191, Fax: 0124-4999190 | Website: www.olympusmedical.co.in | CIN: U33110HR2009FTC039611

Date: 07th December 2022

Ref No: OMSI/22-23/3727

To,
The Director,
All India Institute of Medical Sciences,
At - Sijua (Patrapada), Post - Dumuduma,
Bhubaneswar (Odisha) - 751019

Sub: Authority letter for Submission of quotation for Endoscopy system for the department of Pediatrics AIIMS Bhubaneswar.

Dear Sir/ Madam,

This has reference to the above.

We, M/s Olympus Medical Systems India Pvt. Ltd. having our registered office at Ground Floor, Tower-C, SAS Tower, The Medicity Complex, Sector-38, Gurugram - 122001, Haryana, are subsidiary of Olympus Corporation of Asia Pacific Ltd. of M/s Olympus Corporation, Japan.

This is to further state that M/s Olympus Corporation, Japan is a proven and reputable manufacturer of "Olympus Video Endoscopy tower" having their offices at 2951, Ishikawa-Cho, Hachioji-shi, Tokyo 192-8507, Japan.

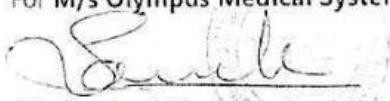
We do hereby authorize M/s. Mediplus, having their registered office at 574 Lewis Road, FL NO B/108 1st floor Madhab Nilaya Apartment Bhubaneswar -751014 (Odisha) for documentation and quotation formalities with you against above procurement.

No company or firm or individual other than **M/s. Mediplus**, is authorized for above referred enquiry

The authorization is valid up to the above referred enquiry only.

Thanking you,

For M/s Olympus Medical Systems India Pvt Ltd


(Authorized Signatory)

OLYMPUS MEDICAL SYSTEMS INDIA PRIVATE LIMITED.

Ground Floor, Tower-C, SAS Tower, The Medicity Complex, Sector - 38, Gurugram- 122001, Haryana, INDIA
Tel.: 0124-4999191, Fax: 0124-4999190 | Website: www.olympusmedical.co.in | CIN: U33110HR2009FTC039611


Dr. Aditi
Assistant Professor
Department of Pediatrics
AIIMS Bhubaneswar

Specifications for video Endoscopy system for Department of Pediatrics

1) Video-Gastroscope (1 No)

- HDTV image Quality
- Direction of view: Forward view
- Field of view: 130 degrees or better
- Depth of view 2-100 mm or better
- Distal end outer diameter: 9.2 mm or less
- Insertion tube outer diameter: 9.2 mm or less
- Instrument channel of 2.8 mm or more
- "Bending Up: 210 degrees or more; Down: 90 degrees or more; Right and left: 90 degrees or more"
- Compatible with below video processor system
- Scope should be equipped with Real time Image enhancement technology which is compatible processor and light source
- Should have dedicated water jet function
- Should have one touch connector
- Should be supplied with compatible grasping and biopsy forceps 2 number each

2) Video Processor & Light Source: Should have following specifications

- Video processor should have in-built light source with 5 LED Spectrum Technology
- Should have NBI (Narrow Band Imaging) Technology
- Should have RDI (Red Dichromatic Imaging) technology for improved visibility of deep blood vessels and bleeding points
- Should have TXI (Texture and Color Enhancement Imaging) technology for optimization of structure, color tone and brightness of the mucosal surface
- Should have BAI-MAC (Brightness Adjustment Imaging with Maintenance of Contrast) technology for improvement of brightness in darker portions
- Video processor should have digital 12G-SDI output for 4K, 3G-SDI and HD-SDI output for HD image and should contain electronics for clear visibility of near and far objects
- Should have MyCV mode for Switch setting values of multiple functions at once
- Provision of VBS composite video output function
- The processor should have compatibility with Dual Focus & Flexible video Cholangioscope
- Processor should have feature of compatibility with Endocytoscope having magnifications of 520x & above
- Provision of automatic IRIS control and white balance free function
- Provision of Picture in picture display
- Should have stand-by/emergency lamp option and provision for lamp switch over from main lamp to stand by lamp in case of main lamp failure
- Equipped with automatic light adjustment facility

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AIIMS, Bhubaneswar-751014

Dr. Gaurav B. Lal
MD, DM (PGIMER)
Professor & Head
Pediatric Gastroenterology & Hepatology
PGIMER, Chandigarh

- Equipped with touch screen interface for accessing the processor settings

3) **Monitor from same make:** Should have following specifications

- 32-Inch LCD medical grade monitor with 4K UHD resolution
- Should be compatible with The Advanced Image Multiple Enhancer (A.I.M.E.™) technology
- Should be compatible to route 4K/HD video signals via a single 12G-SDI output
- Should have multiple display modes such as Picture-in-Picture (PIP) and Picture-out-Picture (POP) display modes
- Should have CLONE OUT function to duplicate the 4K/HD video signals as displayed on the screen, including PIP/POP to a second monitor, or recording device
- Variety of video signal inputs such as 12G-SDI, HDMI, & 3G-SDI should be available
- Ergonomic design
- Certified from IEC 60601-1
- Intuitively operable control panel with LED lighting navigation

4) **Video Endoscopy workstation/trolley from Same OEM**

- Should have space for accommodation of a LED/LCD HD monitor (HD video processor and light source, with scope.

5) **Flushing Pump from same Make**

- Flushing Pump from same make with foot switch should be from same principal manufacturer

6) **4k Software with Computer System & Printer**

- 4k Recording Software & Latest and advanced computer system i7 ;
- Color printer, 4K endoscopic software to be supplied along with the unit for report generation purpose

7) **Standard Accessories compatible with the system and scopes:**

- Leakage Tester: Minimum 01 nos.
- Compatible Reusable Biopsy Forceps: Minimum 02nos.
- Air water Valve: Minimum 02 nos.
- Air Water Channel Cleaning Adaptor: Minimum 01 nos.
- Biopsy Valves: Minimum 10 nos.
- Channel Plug: Minimum 01 nos.

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Dr. Aditi
Assistant Professor
Department of Pediatrics

Channel Cleaning Brush: Minimum 01 nos.
Channel Cleaning Brush: Minimum 01 nos.

8) UPS with at least 30 minutes power back up for computer.


9) Warranty : 5 years

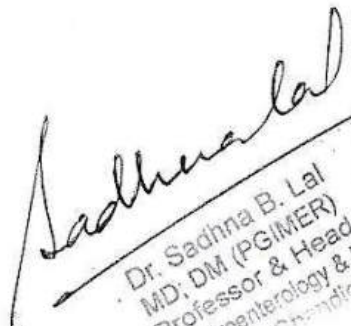
10) CMC: For 5 years after warranty period.

11) Warranty and CMC should include all parts of the machine that are required to run the equipment including all metallic, plastic and electrical parts. Parts that are covered and not covered must be explicitly stated upfront. Prices of the accessories and consumables should also be quoted separately and frozen for at-least 5 years.

Other terms and conditions:

- All quoted items should be European CE Marked /BIS/FDA/ISO approved.
- All items should be from same manufacture unless specified
- Should be covered under 5 years warranty and 5 years CMC.


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Department of Pediatrics
AIIMS, Bhubaneswar-751019


Dr. Sadhna B. Lal
MD; DM (PGIMER)
Professor & Head
Paediatric Gastroenterology & Hepatology
PGIMER, Chandigarh



All India Institute of Medical Sciences, Bhubaneswar
At - Sijua (Patrapada), Post - Dumuduma, Bhubaneswar (Odisha) - 751 019

Additional Specification

Procurement of 01 No. Endoscopy System make, Olympus, Japan- Model CV-1500 & GIF-H190 for the Department of Pediatrics at AIIMS, BBSR on Proprietary basis.

Optical Enhancement Technology should be - NBI/ BLI/FICE/LCI/I Scan OE

Note: All other specifications of the equipment are stand unchanged.

[Signature]

[Signature]
16/11

Dr. Aditi
Assistant Professor
Department of Pediatrics
Bhubaneswar-751019

Valendra Mahapatra
In-charge and HOD
Department of Paediatrics
Bhubaneswar-751019



Ref: MP/DR.AIIMS/BBSR/2022-23
Date: 07th December 2022

To,
The Director
All India Institute of Medical Sciences,
Patrapada, Sijua,
Bhubaneswar.

Sub: Submission of quotation for Endoscopy system for the department of Pediatrics AIIMS Bhubaneswar.

Respected Madam,
We are pleased to offer our lowest possible price for the above-mentioned product with a 5-year warranty and 5 years CMC after warranty. Hope the price will be accepted by your institution.

Offer						
Sr.No	Model No.	Description	Qty/set	GST %	Individual pricing	Including GST
1	CV-1500	CV-1500 EVIS X1 VIDEO SYSTEM CENTER (PAL)	1	12	28,56,764	31,99,576
2	GIF-H190	GIF-H190 EXERA III GASTRO VIDEOSCOPE	1	12	15,50,976	17,37,093
3	WATER LEAKAGE TESTER	WATER LEAKAGE TESTER	1	18	11,177	13,189
4	32" Medical Grade Monitor	OLYMPUS 4K 32" MONITOR	1	28	7,43,327	9,51,459
5	Trolley	OLYMPUS Trolley	1	18	2,35,297	2,77,650
6	Monitor Arm	COMPACT LCD MONITOR ARM	1	18	43,325	51,124
8	LIGHT SOURCE SOCKET CLEANING KIT	LIGHT SOURCE SOCKET CLEANING KIT	1	18	23,720	27,990
9	Carrying case for Scope	Carrying case-Upper body	1	18	10,888	12,848
		Bottom Cushion	1	18	2,115	2,496
		Upper Cushion	1	18	2,419	2,854
		Document Cover H	1	18	227	268
10	Laptop	HP/DELL/REPUTE MAKE	1	18	1,00,912	1,19,076
12	Medical Grade 4K Software	Medical Grade 4 K Software	1	12	1,50,000	1,68,000
13	Colour printer (INK Tank)	Colour Printer HP/EPSON/CANON	1	18	40,714	48,043
14	Flushing Pump	FLUSHING PUMP OFF-2	1	18	2,00,114	2,36,135

Deals in : Drugs, Laboratory Reagent, Surgical Goods, Medical Equipments & Instrument, Hospital Furniture & all Hospital Supply products.

GSTIN : 21ABKPM7659N1Z1
Drug Licence No. KH-17319-W, KH-17320-WC & KH-6000-WX

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Department of Pediatrics
AIIMS Bhubaneswar-751019

32

Sr. No	Model No.	Description	Qty/set	GST %	Individual pricing	Including GST
15	Instrument Channel	INSTRUMENT CHANNEL	1	18	13,158	15,526
16	INSTRUMENT CHANNEL WATE	INSTRUMENT CHANNEL WATE	1	18	19,279	21,593
17	AUXILIARY CHANNEL WATER	AUXILIARY CHANNEL WATER	1	18	16,935	19,984
19	Grasping forceps	GRASPING FORCEPS (BASKET) + FG-HANDLE	2	12	53,938	60,411
20	Biopsy forceps	BIOPSY FORCEPS (4802330)	2	12	38,662	43,302
21	IMAGE MANAGEMENT HUB	IMH-200 IMAGE MANAGEMENT HUB	1	12	9,44,588	10,57,939
22	MAJ-1951 SDI CABLE 2.5M	MAJ-1951 SDI CABLE 2.5M	1	18	8,532	10,068
23	Storage Cabinet for endoscope	Storage Cabinet for endoscope	1	18	65,000	76,700
Total Price with Five-years warranty					7,132,607	8,153,320

(Rupees. Seventy-One Lakh Thirty Two thousand & sixty-seven) only Excluding GST

(Rupees. Eighty One Lakh Fifty three thousand Three hundred & Twenty) only Including GST

Terms & Conditions.

1. The above prices are with 5 years comprehensive warranty.
2. CMC will be charged Extra 3,50,000/- per Year + GST (as applicable)

Yours Faithfully,
For Medi Plus,



Authorized Signatory

CMC charges for 5 years.

17,50,000

+ GST as applicable

Total = ₹ 99,03,320/-

Dr. Aditi
Assistant Professor
Department of Pediatrics
Bhubaneswar-751019

OLYMPUS

Annexure-VI

EVIS X1

(24)

EVIS X1 Video System Center

CV-1500

A Unified Platform with 5 LED Spectrum Technology



Aditi
Dr. Aditi
Assistant Professor
Department of Pediatrics
M.T. Jyothinagar-151019



A Unified Platform with 5 LED Spectrum Technology

By integrating the LED light source with the video processor, Olympus has developed a powerful system that is much more compact and lightweight than the predecessors*1.

Broad Compatibility

The CV-1500 can be connected to many different types of endoscopes, providing access to a wide variety of endoscopy-supporting functions.

Enhanced Observations

In addition to conventional white light and NBI (Narrow Band Imaging) and AFI (Auto Fluorescence Imaging) observation, the CV-1500 offers three other powerful enhanced observations to improve diagnostic and therapeutic capability:

- TXI (Texture & Color Enhancement Imaging) optimizes the structure, color tone and brightness of the mucosal surface.
- RDI (Red Dichromatic Imaging) improves visibility of deep blood vessels and bleeding points.
- BAI-MAC (Brightness Adjustment Imaging with MAintenance of Contrast) improves brightness in darker portions.

Intuitive, User-friendly Functions

With One-Touch Connector for quick, easy connection and no need for white balance adjustment*2, setup is simplified, with the aim of streamlining workflow and accelerating procedure time. Touch-sensitive panel facilitates intuitive operation, while convenient functions like Pre-freeze and MyCV mode ensure user-friendly working environment. Downtime is reduced thanks to the use of LED bulbs that last years without needing replacement.

*1 Combination of EVIS EXERA III/EVIS LUCERA ELITE series light source and processor *2 Olympus 1100/1200/1500 series endoscopes only

Specifications

Power Supply	Rated voltage	100-240 V AC; Within $\pm 10\%$
	Frequency	50/60 Hz; within ± 3 Hz
	Rated input	600 VA
Size	Dimensions (W x H x D)	370 x 198 x 488 mm; 398 x 218 x 580 mm (maximum)
	Weight	19.4 kg
Classification (Medical Electrical Equipment)	Type of protection against electric shock	Class I
	Degree of protection against electric shock of applied part	Depend on applied part. (The degree of protection against electric shock of this product is BF type if the mounting part to be connected to this product is BF type. However CF type is not subject to combination in this product.)
	Degree of protection against explosion	The video system center should be kept away from flammable gases.
	Analog signal output	VBS composite
	Digital signal output	12G-SDI (SMPTE ST 2082), 3G-SDI (SMPTE424M), HD-SDI (SMPTE292M), SD-SDI (SMPTE260M)
	User settings	The function settings for up to 20 users can be stored.
	Color tone adjustment	Adjust the color tone of each endoscopic image for White light observation mode, NBI observation mode, and RDI observation mode. • Red adjustment : ± 8 steps • Blue adjustment : ± 8 steps • Chroma adjustment : ± 8 steps
	Automatic gain control (AGC)	The image can be electronically amplified when the light is inadequate due to the distal end of the endoscope being too far from the object.
	Contrast	• H (High) : Darkens the dark part and brightens the bright part. • L (Low) : Brightens the dark part and darkens the bright part.
	BAI-MAC	Brightness adjustment with maintenance of contrast
Observation	Iris	The iris modes can be switched. • Auto : The brightness is adjusted based on the brightest part of the central part and the average brightness of the periphery part. • Peak : The brightness is adjusted based on the brightest part of the endoscopic image. • Average : The brightness is adjusted based on the average brightness of the endoscopic image.
	Image enhancement settings	Fine patterns or edges in the endoscopic images can be enhanced electrically to increase the image sharpness. • Enhancement type A : Emphasizes the pattern and contour of the endoscopic image. • Enhancement type B : Emphasizes the finer parts than structure emphasis type A.
	Switching the enhancement modes	The enhancement level can be selected from 3 levels (OFF, 1, 2, and 3)
	Image size selection	The size of the endoscopic image can be selected from 2 modes. (Except SDTV)
	Electric zoom	Switch between mode 1, mode 2, and mode 3.
	PIP/POP	Switch between PIP and POP.
	Aspect ratio	Switch between 16:9 and 4:3. (Except SDTV)
	Freeze	Freeze the endoscopic image.
	Pre-freeze	The image with the least blur is selected from the images captured in the set time period before freeze operation and displayed.
	Optical-digital observation	The optical-digital observation can be performed. The endoscope compatible with the optical-digital observation is required. • NBI observation : This observation mode uses the narrow band light. • RDI observation : This observation mode uses the red dichromatic lights. • AFI observation : This observation mode uses the blue light. • TXI observation : This observation mode enhances color, texture and brightness.
	Beginning and ending examination	Beginning and ending examination timing can be set interlock with the particular operation.
	Custom switch	Assign specific functions to the following buttons. • Remote switches (Up to 5) • Foot switches (Up to 2) • Keyboard custom key (Up to 4) • Touch panel custom button of basic functions screen (Up to 3) • Touch panel custom button of custom functions screen (Up to 10)
Documentation	MyCV mode	Switch setting values of multiple functions at once.
	Remote control	The following peripheral device can be controlled (specified models only). • Portable memory • Video recorder • Color video printer • Image filing system • Server
	Patient information	The following data can be displayed on the monitor. • Patient ID • Patient name • Gender • Age • Date of birth • Comment
	Displaying the record state	The recording state of the following peripheral device can be displayed on the monitor. • Portable memory • Remaining capacity • Video recorder • Number of shots / Recording status • Color video printer • Number of shots • Image filing system • Number of shots
	Displaying the image information	The following data can be displayed on the monitor. • Image enhancement • Electric zoom ratio • Color mode • Focus • Observation mode
	Advanced registration of patient information	Up to 50 patient information can be registered. • Patient ID • Patient name • Gender • Age • Date of birth
Memory Backup	Recording format	Standard image quality: TIFF; Low image quality: JPEG
	Memorization of user settings	The settings are held in memory even after the video system center is turned OFF.
	White balance	The white balance that is once set is held in memory (only when using the compatible endoscope).

EVIS X1 VIDEO SYSTEM CENTER OLYMPUS CV-1500

Specifications, design, and accessories are subject to change without any notice or obligation on the part of the manufacturer.

Dr. Arun
Assistant Professor
Department of Pediatrics
HMS Bhubaneswar-751019

OLYMPUS®

Your Vision, Our Future

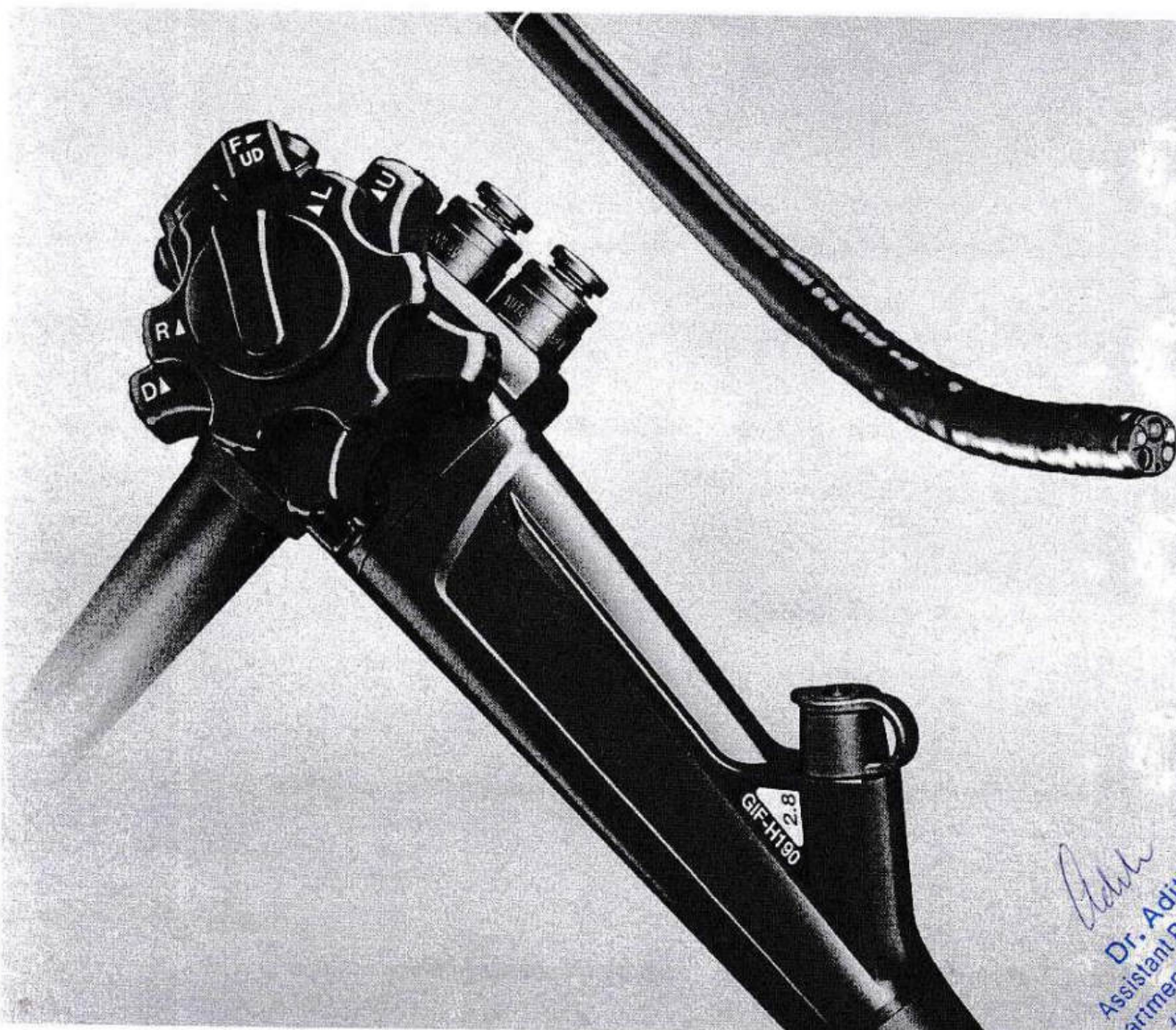
EVIS EXERA III

22

EVIS EXERA III GASTROINTESTINAL VIDEOSCOPE

GIF-H190

Significantly slimmer design with amazing HDTV clarity



Aditi
Dr. Aditi
Assistant Professor
Department of Pediatrics
Hubaneswar-751019
MS

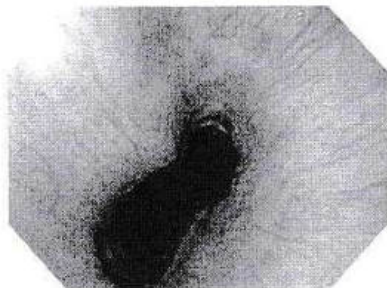


21

Main Features

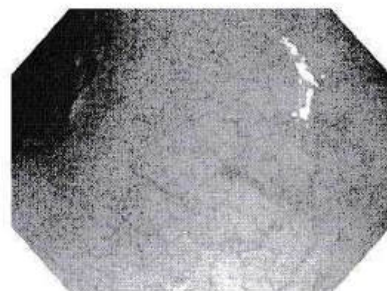
HDTV Image Quality

HDTV image quality delivers high-definition observation capabilities, even in a new, slimmer scope design.



NBI (Narrow Band Imaging)

NBI in EVIS EXERA III 190 Series scopes provides twice the viewable distance of EVIS EXERA II 180 Series scopes and offers much greater contrast between blood vessels and mucosa. The greatly improved performance of NBI opens up exciting new clinical applications and reinforces NBI's position as the standard of care for GI endoscopy.



Slim Design

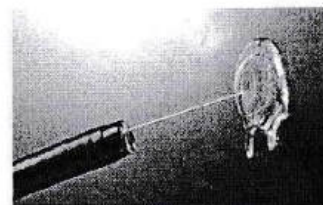
This scope offers an excellent balance of size and performance, with HDTV image quality in a slim 9.2 mm diameter size.

Specifications

Optical System	Field of view	140°
	Direction of view	Forward viewing
	Depth of field	2-100 mm
	Distal end outer diameter	9.2 mm
Insertion Section	Distal end enlarged	
	Insertion tube outer diameter 9.2 mm	
	Working length 1030 mm	

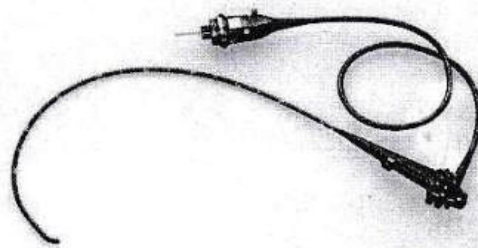
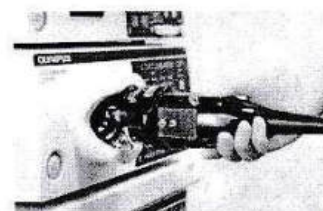
Water Jet

EVIS EXERA III 190 Series scopes' forward water jet function is standard on all routine gastroscopes. This technology improves procedures and treatment.



Waterproof One-touch Connector

A new connector design minimizes the effort required for setup prior to and in between cases. In addition, it is fully submersible and eliminates the need for a water-resistant cap and the associated risk of an expensive repair due to accidental immersion.



Instrument Channel	Channel inner diameter	2.8 mm
	Minimum visible distance	3.0 mm from the distal end
Bending Section	Direction from which endotherapy accessories enter and exit the endoscopic image	
	Angulation range	Up 210° Down 90° Right 100° Left 100°
Total Length	1350 mm	
Compatible EVIS EXERA System	Video System Center OLYMPUS CV-190 Xenon Light Source OLYMPUS CLV-190	

Image courtesy of Roy Soetikno, MD

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.

OLYMPUS

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