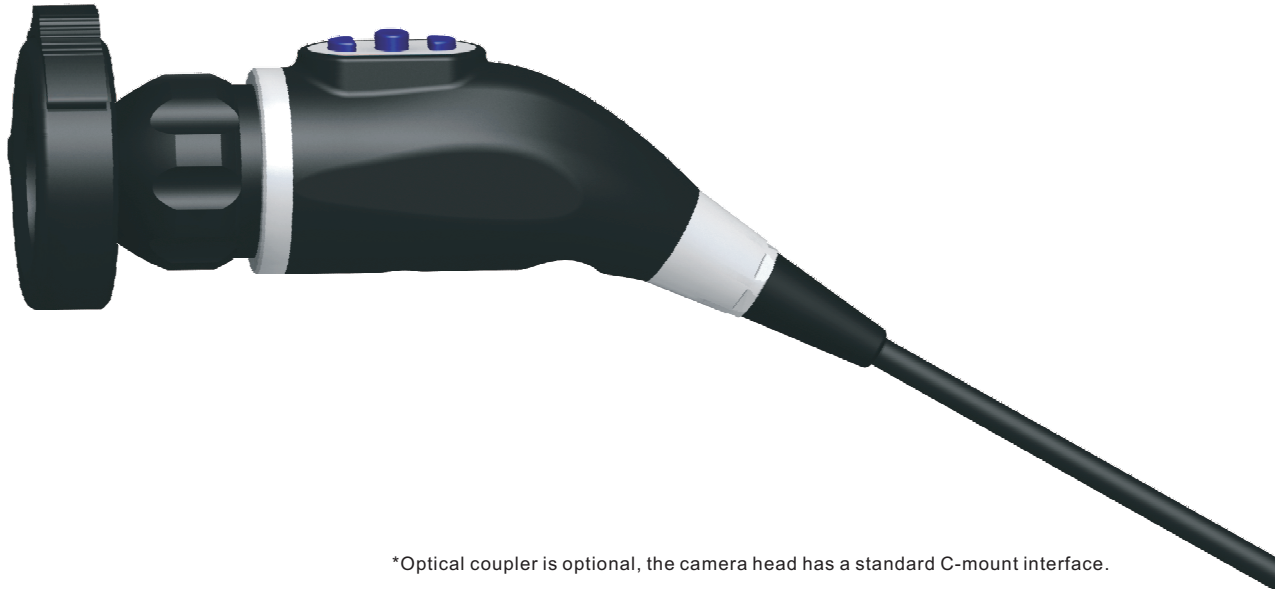# 6160 HD Endoscopy Camera

cymo

A single chip full high definition camera

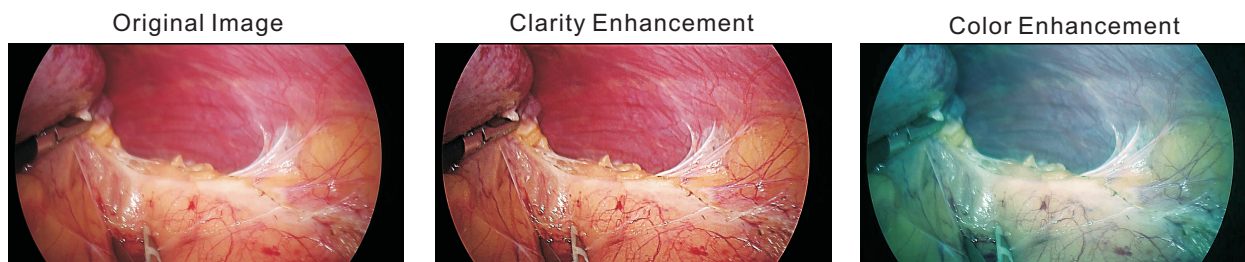*Optical coupler is optional, the camera head has a standard C-mount interface.

The 6160 camera delivers extremely clear and sharp image in full high definition standard. With modern image processing technology, the camera makes the finest details in tissue structures distinguishable. The camera offers all necessary features for surgical use such as digital zoom, freeze, digital edge enhancement, and etc.
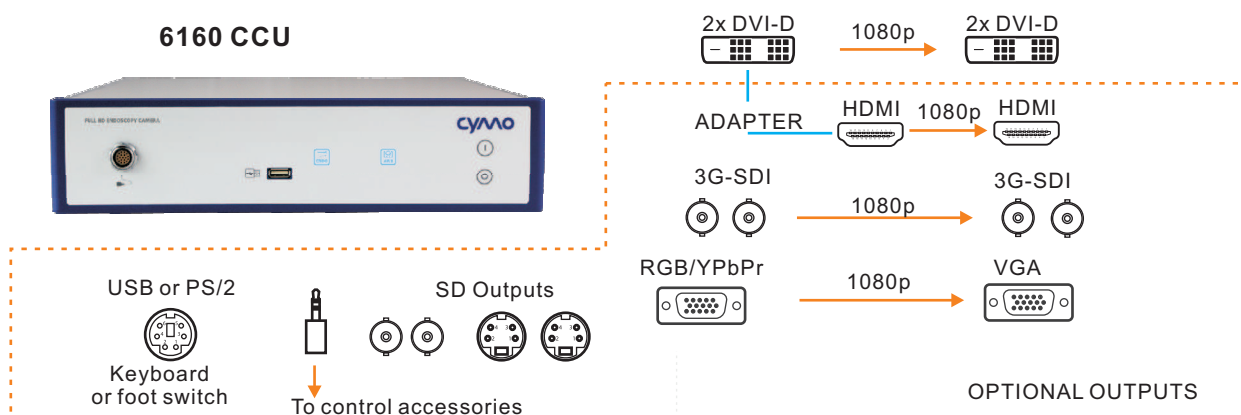
KEY FEATURES:

- 1/3" image sensor for full high definition use
- Full HD resolution 1920 x 1080 pixels (16:9)
- High sensitivity requires less light from illumniation
- New image enhancement functions on clarity and color
- High interference immunity from electrosurgery
- Digital filters for using with fiber flexible scope
- Full digital chain achieved on DVI-D, HDMI[1], or 3G-SDI digital output
- Up to 2.5x digital zoom function and freeze function
- Mirror, flip, rotation function
- Full HD resolution video recording and image capturing (optional)

Note: [1] HDMI support via an adapter

Advanced Image Enhancement

Original Image	Clarity Enhancement	Color Enhancement

Camera Control Unit (CCU) Outputs:

6160 CCU

2x DVI-D	1080p	2x DVI-D

ADAPTER

HDMI	1080p	HDMI

3G-SDI	1080p	3G-SDI

RGB/YPbPr	1080p	VGA

USB or PS/2

Keyboard
or foot switch

To control accessories

SD Outputs

OPTIONAL OUTPUTS

TECHNICAL DATA

Video system	50Hz/ 60Hz Selectable
Image sensor	1/3″ HD CHIP
Scanning system	Progressive
Output pixels	1920(H)×1080(V)
User settings	5
Frame rate	50p (EU) / 60p (US)
Keyboard Support	Yes (via USB)
Foot switch support	Optional
Accessories control	Yes (via 3.5mm Jack output)
Output signal (SDI Optional) (Analog HD Option) (Analog SD Option)	2x DVI-D 2x Digital HD/3G-SDI 1x Analog RGB or Y/Pb/Pr 2xS-video on Mini-Din 4 2xComposite Video
Advanced settings	By On Screen Display (OSD) Rs232 (on request)
Environment	0°C - +40°C temperature less than 90% relative humidity
Classification	Class I / BF

CAMERA HEAD

Dimensions (W×H×D)	33 × 35 x 83 mm
Weight	100 g
Lens connection	C-mount
Cable length	3 meters
Protection class	Soakable，IPX7
Control buttons	3

CONTROL UNIT

Dimensions (W×H×D)	325 × 74 × 365 mm
Weight	5.1 kg
Protection class	IP20
Line voltage	100-240VAC @ 50-60 Hz
Fuse	2 × T 1.0 A E / 250V (IEC 127)
Power tested acc.to	UL2601-1, EN60601-1, IEC60601-1-2

ORDERING DATA

6160.02.02	6160 camera head
6160.02.01	6160 Control Unit
6160.12.01	6160 Control Unit with recording option

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