vitra® 4K3 Endoscopy Camera

A 4K(UHD) 3CMOS endoscopy camera

The vitra® 4k3 is the latest version of the ultra high definition endoscopy camera, which delivers a clear and sharp picture. With the native progressive scan, the camera provides the sharpest details with incomparable natural color rendition at the highest spatial and temporal resolution. Even the finest variations in tissue structures are distinguishable. The vitra® 4k3 will definitely enhance the capabilities of surgeons performing minimally invasive procedures.

- ergonomic design
- easy for cleaning
- slim size for comfortable holding
- metal house for high durability
- standard C-mount interface for lens

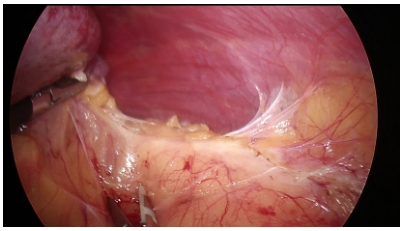
Optical coupler is option, the camera head has a standard C-mount interface.
* Optionals, not included in the basic configuration.

KEY FEATURES:

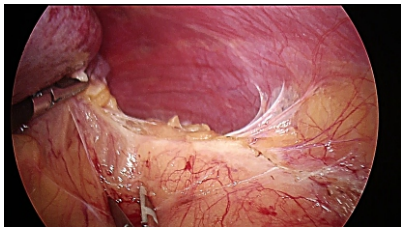
- **3x 1/3" 16:9 image sensors**
- **High sensitivity requires less light from illumination**
- **New image enhancement functions on clarity and color**
- **High interference immunity from electrosurgery**
- **Flexible filters for using with fiber flexible scope**
- **HDMI 2.0 and 12G-SDI video output**
- **Digital zoom function and freeze function**
- **Mirror, flip, rotation function**
- **Video recording and image capturing directly to USB pen drive**

Advanced Image Enhancement

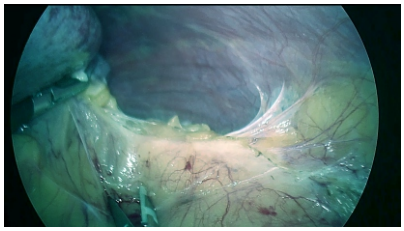
Original Image



Clarity Enhancement



Color Enhancement



Camera Control Unit (CCU) :

TECHNICAL DATA

General Specification

Video system	50Hz/ 60Hz Mode
Image sensor	3 × 1/3″ CHIP
Scanning system	Progressive
Effective pixels	3840(H)×2160(V)
Resolution	> 1600TV Lines
User settings	Customizable (via OSD)
Control	glass panel touch screen
Output signal	HDMI / 12G - SDI
Control	External 2 channels Rs232 (upon request)
Interface	2x USB 3.0 host (Back) 1x USB 3.0 host (Front) 1x RG45 Ethernet (Streaming) 1 x JACK (3.5mm, ACC1/2) 1 x Mini-DIN 6 (RS232/CAN)
Classification	Class I / BF

Recording Module

File System	ext-4 / FAT32 / ex-FAT
Video Recording	H264/265 Compression
Image Capturing	JPEG format

Camera Head

Dimensions (W×H×D)	34 × 42× 58 mm
Weight	90g
Image Sensor	3 x 1/3 format, CMOS
Control buttons	3 (user programmable)
Operation Temp.	0°C - +35°C
Reprocessing	Soakable, IPX7
Cable Diameter	Approx. 7 mm
Cable Jacket	Silicon
Steriliation	Sterrad, Autoclavable (On request)

ORDERING DATA

6800.06.02	vitra 4K3 camera head
6800.16.03	vitra 4K3 camera controller

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