

Kettex EVision

EndoscopyCam KX-01



The KX-01 camera is for outpatients care only, not for operations.

Our KX-01 camera provides an excellent image at an insurmountable cost. The camera has a native resolution of up to 2048×1536 pixels, using Sony 1/1.8" global shutter chip. The camera produces between 25-90 fps. The camera has a USB3 connector to connect to the computer and has no processor unit.

The camera is designed to be used in conjunction with a PC for medical purposes with a touch screen and a foot switch used to operate the camera - the camera does not contain any buttons. In this way, the doctor has both hands free for examination.



It works with our Kettex EVision software and EndoPlay software, which allows for example: to save images/videos, blue contrast enhancement, sharpen the image, de-noise the image, correct the fibroscopic grid, compare images and videos side-by-side.

Camera belongs to risk class I and meet the MDR (EU 745/2017).

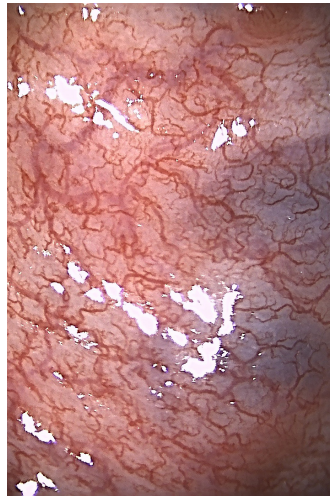
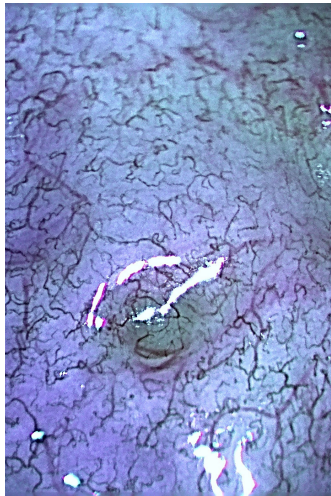
A complete endoscopic system based on our camera should include:

- KX-01 Camera
- Kettex EVision & EndoPlay Software
- PC for medical purposes (AIO or PC + Touchscreen combination)
- Medical grade footswitch
- Zoom coupler
- Stand or Wallmount
- Camera holder
- Rigid or flexible endoscope
- Light source

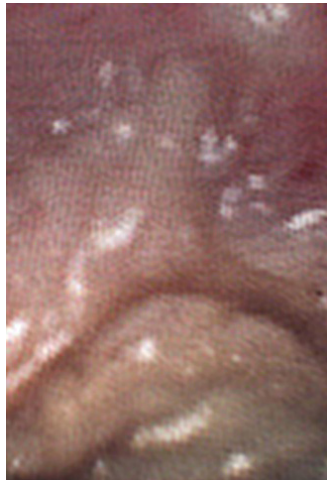
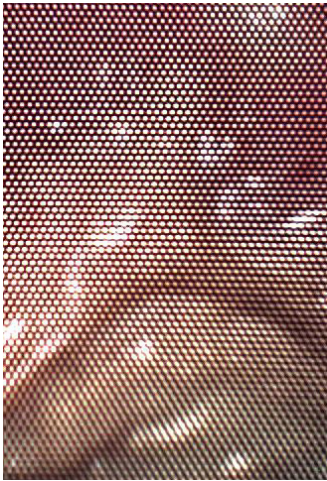
Our customers are mostly ORL specialists, urologists, gynecologists and veterinarians. As the camera has a global shutter, it can also be used for functional vocal cord examination.

The most interesting camera functions in more detail follow:

ExView – Blue filter for better image contrast. The filter does not add any additional information, but makes the image more contrast for human eye.

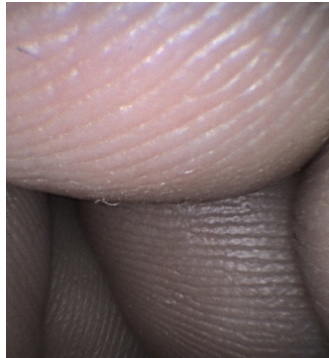
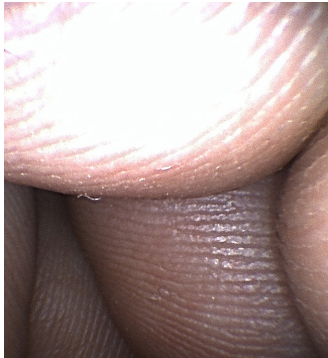


Fibroscopic grid correction – our software is able to remove fibroscopic grid and preserve all the data at the image. We do it on live stream at 25 fps, so the image remains fluent.

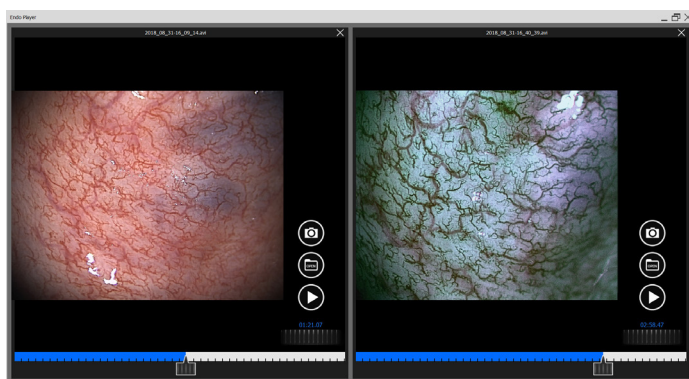


Noise Reduction – when the doctor observes distant places or if he/she has not very powerfull light source the image contains some additional noise, because autoexposure increase camera gain (ISO) automatically to preserve the overall image brightness. Noise is disturbing and makes the image unpleasant. We have developed real-time image denoising algorithm, that suppress noise while preserves image details.

LUTs Mapping – the camera is providing 16bits naturally so smart LUT mapping can display high intensity places properly.



Side-by-side Comparison – our video player allows easy drag&drop navigation in the video, frame-by-frame going through the video by a wheel, capturing images from a video by a single click and comparison up to 4 images/ videos side by side.



Features

References:

ENT Dep. Hospital Motol

prim. MUDr. P. Jablonický, MUDr. J. Sýba (CZ)

ENT Medical Office Heilbad

Dr. med. M. Werle, Dr. Med. R. Stöcking (DE)

ENT Medical Office Regensburg

MUDr. J. Hromada (DE)

Audio-Fon centr.

doc. MUDr. M. Lejska, CSc., MUDr. R. Havlík, Ph.D (CZ)

ENT Dep. St. János Kórház, Budapest

prof. Dr. A. Hirschberg (HU)

ENT Medical Office Duisburg

Dr. med. R. Saehlbrandt (DE)

ENT Medical Office Gent

Dr. Michael Boedts (BE)

ENT Medical Office Dubai

Dr. Abdussathar VE (UAE)

ENT Dep. Hospital Homolka

prim. MUDr. P. Jiráček (CZ)

ENT Medical Office Oldenburg

Dr. med. Bernard L. Lüske (DE)

Urologic Medical Office Praha

MUDr. Ludvík Schnitzer (CZ)

ENT Dep. Szpital Bródnowski, Warsaw

prof. I. Kantor (PL)

ENT Dep. Hospital Sv. Michala Bratislava

MUDr. Matúš Mačaj (SK)

ENT Medical Office Ruda Śląska

Dr. n.med. Piotr Pawlas (PL)

ENT Medical Office Kroměříž

MUDr. Daniela Sedláková (CZ)

ENT Medical Office Dolní Kubín

MUDr. Miroslav Obtulovič Ph.D (SK)

ENT Medical Office Otrokovice

MUDr. Kukla (CZ)

ENT Medical Office Bratislava, Kramáre

MUDr. Renata Kučerová (SK)

ENT Medical Office Plzeň

MUDr. Ondřej Sebera (CZ)

ENT Medical Office Prievidza

MUDr. Zuzana Homolová (SK)

ENT Medical Odry

MUDr. Richard Pacola (CZ)

ENT Clinic Žiar nad Hronom

MUDr. Čopíková (SK)

Centrum Medyczne Strzelce Opolskie / ENT and allergy practice, Andrzej Dymek, M.D. Ph.D. (PL)

ENT Medical Office Prešov

MUDr. Ivan Perečinský (SK)

ENT Medical Office Hlinsko

MUDr. Tomáš Moravec (CZ)

ENT Medical Office Rimavská Sobota

MUDr. Hayatullah Azimi (SK)

ENT Medical Office Opava

MUDr. Karel Hanuška (CZ)

ENT Medical Office Liptovský Mikuláš

MUDr. Renata Kučerová (SK)

Phoniatric Medical Office Praha 4

MUDr. Jindřich Fišer (CZ)

ENT Medical Office Svidník

MUDr. Naděžda Želíznáková (SK)

Urology Medical Office Ostrava

MUDr. Petr Albin (CZ)

ENT Medical Office Prešov

MUDr. Dagmar Markvartová (SK)

ENT Medical Office Praha 6

Canadian Medical (CZ)

ENT Clinic Žiar nad Hronom

MUDr. Čopíková (SK)

ENT Dep. Hospital Olomouc

doc. MUDr. Richard Salzman Ph.D (CZ)

ENT Medical Office Ružomberok

MUDr. Gabriela Tereková (SK)

ENT Medical Office Prague

MUDr. Jan Vopálský (CZ)

ENT Medical Office Zlaté Moravce

MUDr. Zuzana Balcová (SK)

ENT Medical Office Hradec Králové

ProSluch s.r.o (CZ)

ENT Medical Office Prešov

MUDr. Valéria Kožárová (SK)

ENT Medical Office Liberec

MUDr. Jan Adam (CZ)

ENT Medical Office Žilina

MUDr. Andrea Kuricová (SK)

Phoniatric Medical Office Český Těšín

MUDr. Hana Kučová (CZ)

ENT Medical Office Povážská Bystrica

MUDr. Romana Chochulová (SK)

Would you like to try the videoendoscopy system? Contact us at:

Dr. Filip Krolupper, Ph.D.

Na Pěšině 465/6, Prague 8, 184 00, Czech Republic

Cell Phone: +420 728 526 720

E-mail: filip.krolupper@kettex.eu

Web: www.kettex.eu