



# ENDOSCOPY CAMERA SYSTEM



**PT. Wickland Medika Imantara**  
Medical, Aesthetics & Laboratory Supplier

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# WKL-21 Endoscope system

## Main features

### High Definition

Megapixel high-definition sensor, 1080P full HD video signal output, perfect image.

### Dyeing function

The LED long life light cold source with Dyeing function, and makes it possible to introduce color to blood vessels and superficial fiber structures by emitting compound light with proportion, relying on the newly designed image sensor to make the close-up image sharper and clearer.



FHD



Dyeing function

### Electronic magnification and Storage Function

Electronic magnification of 1.2/1.4/1.6/1.8/2.0 is now possible, allowing closer observation. Supports the imaging capturing and video recording function.

Memory data can be stored on USB flash drive.

Supports Picture-in-picture function.



### Ultra High Compatibility

WKL-21 system suite for wide variety of endoscopes that can be used for different applications in different organ systems including the Rigid Endoscope, the gastroscope, the colonoscope, the bronchoscope, the nasopharyngoscope, the cystoscope.....

### Specifications Of FHD Endoscope imaging Processor

Observation	Video signal outputs	DVI/CVBS/HDMI
	Image Enhancement	Support Vascular Enhancement
	WB adjustmet	4 fixed white balance parameters, Real-time dynamic white balance mod, Manual white balance mode
	Freeze	Support full-screen image freezing and half-screen mode freezing, picture-in-picture display
	Image adjustment	Support 0-100 levels of brightness, contrast, and saturation adjustment
	Zoom adjustment	Support 1.2/1.4/1.6/1.8/2.0 times 5-step electronic amplification function
	Sharpness & noise adjustment	Support 0-15 levels of sharpness adjustment 0-5 levels of noise reduction adjustment
Power	Voltage	100~240V
	Frequency	50 Hz/60Hz
Package	Dimensions	390(D)x370(W)x110(H)mm
	Weight	6.3kg



## Specifications Of Endoscope Light Source

### WKL-21 With One Long-Life LED Lamp

### WKL-21 With Two Long-Life LED Lamp

Lighting	Bulb	LED Lamp
	Color tamperature	3000 K~7000 K
	Brightness adjustment	10 levels of adjustable brightness
Aspirated	Air pump	Air pressure 70kPa
	Air flow	5.0L/min
Power	Voltage	100~240V
	Frequency	50 Hz/60Hz
Package	Dimensions	390(D)x370(W)x150(H)mm
	Weight	9.2kg



## Medical Endoscope Series

### Performance characteristics

Advanced micro sensor conduction image technology is applied, with high clarity of image magnification and much higher resolution than fiber optic endoscopes.



The insertion tube is engineered to be both soft and slender. Thus, during its insertion into the human body cavity, it not only alleviates the patient's apprehension but also significantly mitigates the patient's discomfort.

The EG and ECV series are crafted with capacious channels, facilitating biopsy and suction procedures. The operator is enabled to employ biopsy forceps, cell brushes, and a diverse range of standard instruments.



### Specifications

#### Medical Video Endoscopes

Distal End OD (mm)	Insertion Tube OD (mm)	Channel ID (mm)	Bending (Up/Down)	Bending (Left/Right)	Working Length(mm)	Field of View	Depth of Field(mm)	Resolution (CMOS)	Auxiliary water delivery function
<b>Video Gastrosopes</b>									
EG-200	6.5	6.5	2.0	180°/ 90°	90°/ 90°	1200	145°	3 - 100	HD
EG-220	8.0	8.5	2.2	210°/160°	100°/ 100°	1500	145°	3 - 100	HD
EG-250	9.8	9.8	2.8	210°/ 90°	100°/ 100°	1030	145°	3 - 100	HD/FHD
EG-260	9.2	9.2	2.8	210°/90°	100°/ 100°	1030	145°	3 - 100	HD
EG-280	9.8	9.8	3.2	210°/ 90°	100°/ 100°	1030	145°	3 - 100	HD
EG-300	9.8	9.8	2.8	210°/ 90°	100°/ 100°	1030	145°	3 - 100	HD/FHD

# Specifications

## Medical Video Endoscopes

Insertion Tube OD (mm)	Distal End OD (mm)	Channel ID (mm)	Bending (Up/Down)	Bending (Left/Right)	Working Length(mm)	Field of View	Depth of Field(mm)	Resolution (CMOS)	Auxiliary water delivery function
<b>Video Colonoscopes</b>									
ECV-600	12.8	12.8	3.7	180°/180°	160°/ 160°	1350	145°	3 - 100	HD/FHD <input checked="" type="checkbox"/>
ECV-620	11	11	3.2	180°/180°	160°/ 160°	1350	145°	3 - 100	HD <input checked="" type="checkbox"/>
ECV-660	12.8	12.8	3.7	180°/180°	160°/ 160°	1350	145°	3 - 100	HD/FHD <input checked="" type="checkbox"/>
ECV-680	12	11.8	3.7	180°/180°	160°/ 160°	1350	145°	3 - 100	HD <input checked="" type="checkbox"/>
<b>Video Duodenoscopes</b>									
EMV-400D	12.0	12.0	3.2	125°/90°	90°/ 90°	1200	Side 90°	3 - 100	HD <input checked="" type="checkbox"/>
EMV-420D	13	12	4.2	125°/90°	90°/ 90°	1200	Side 90°	3 - 100	SD <input checked="" type="checkbox"/>
<b>Video Choledochoscope</b>									
EVC-6	5.8	5.8	2.6	180°/130°	—	370	120°	2-50	SD —
<b>Video Bronchoscopes</b>									
EVB-5	5.0	5.0	2.0	180°/130°	—	530	120°	2-50	SD —
EVB-5 *	3.9	3.9	1.2	180°/130°	—	530	120°	2-50	SD —
<b>Video Rhinolaryngoscopes</b>									
EVR-5	5.0	5.0	2.0	180°/130°	—	410	120°	2-50	SD —
EVR-5*	3.9	3.8	1.2	160°/130°	—	410	120°	2-50	SD —
<b>Video Cystoscopes</b>									
EVC-5	5.0	5.0	2.0	180°/130°	—	380	120°	2-50	SD —
EVC-5*	3.9	3.8	1.2	160°/130°	—	380	120°	2-50	SD —
<b>Video Hysteroscope</b>									
EVH-5	5.0	5.0	2.0	180°/130°	—	600	120°	3 - 100	SD —
<b>Video Ureteroscope</b>									
GBS-3	3.0	3.0	1.2	270°/180°	—	600	120°	2-50	SD —