AVANLINE

Video endoscope series

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About us

Avanline has continuously invested a lot of manpower and resources in the R&D of key technologies such as imaging and lighting for more than 10 years.
Therefore, our products provide excellent optical system and imaging quality.
At present, our videoscopes and related products have been widely used in all aspects of industry and certain medical field.

We have also successfully built several modular platforms AEMA, which can easily realize product customization and expansion,improve production efficiency and reliability, and bring significant economic benefits to our users.

CL Series

> **Million Clear Image Quality**
> **High Temperature Applicable Environment**
> **Own Cleaning Function**
> **Lightweight and Portable without Charging**

High Temperature Resistance

The patented design of the cooling system allows the probe to reach into the body at a max. 300 ° C for internal detection, which is convenient for connection and greatly shortens the maintenance time.

Cleaning function

Through the flexible insertion pipe and the bending part of the front end, the cleaning liquid can be accurately sprayed to the parts that are difficult to reach Compatible with OD 2.0 & 2.4 nozzles.
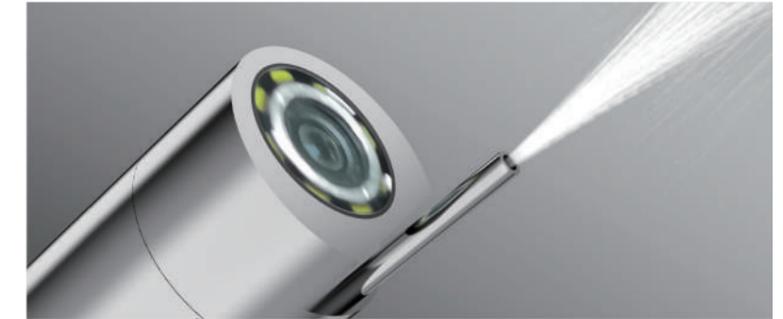
Excellent Operating Performance

Easy to connect to a mobile phone or PC for display and no external power supply or battery is needed.

Locking Paddle

The handle is provided with a locking paddle, which can lock the bending part of the leading end of the insertion tube at a specific angle.
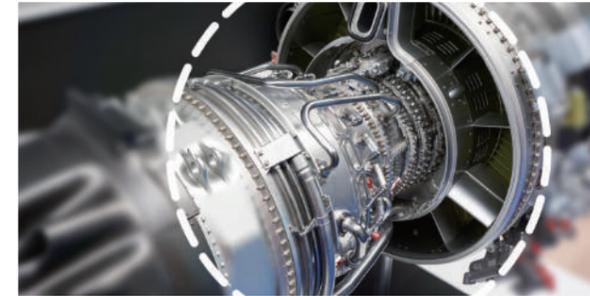
CL Series:

X: No Item

Model		CL60	CL75T	CL80C
High Temp. Resistance		x	High Temp. Resistance	x
Head Cleaning		x	x	Hose ID: 2.0 or 2.4mm
Insertion Tube	OD	6.0mm	7.5mm	8.0mm
	Length	1.0M	1.0M	1.0M
Effective Pixels		H1280 x V720		
FOV		120°		
DOV		10mm-infi.		
Illumination		Leds		
Software System		Android or Windows		

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Video endoscope
CS series

Videoscope CS Series

4.5-inch IPS full-color screen, 2-way 180-degree locking paddle, 4-level light adjustment, one-button photo and video recording, polymer battery brings long battery life.

Full HD display for clearer view

With video playback function

High-energy polymer battery ensures long-term operation

CS Series：

X No function

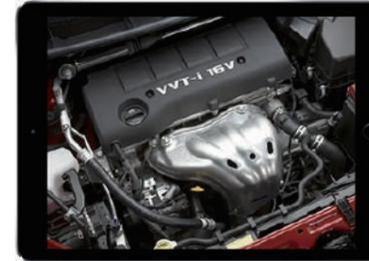| Model		CS40	CS60
	OD	4.0mm	6.0mm
Insertion Tube	Length	1.0M	1.0M
Effective Pixels		H1280 X V720	H1280 X V720
FOV		120°	120°
DOV		10mm-infi.	10mm-infi.
Illumination		Leds	
Monitor		4.5 inch LCD	

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Video endoscope
CX series

Videoscope CX Series

Universal for iPhone and Android phones, one-click photo and video recording. 360-degree articulation and lockable angle, 4mm camera is oil-proof and water-proof.

Android phone/Apple phone can be used as mobile display terminal

Tablet/monitor can be used as mobile display terminal

Desktop/notebook as mobile display terminal

Adjustable holder can be compatible with all sizes of mobile phones
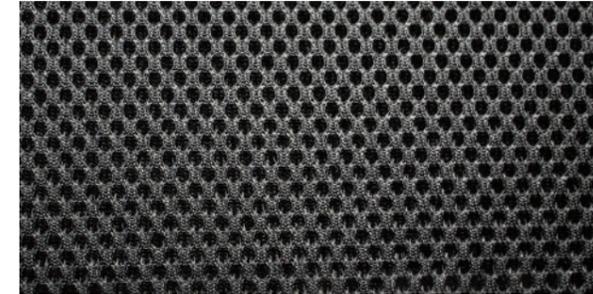
CX Series:

X No function

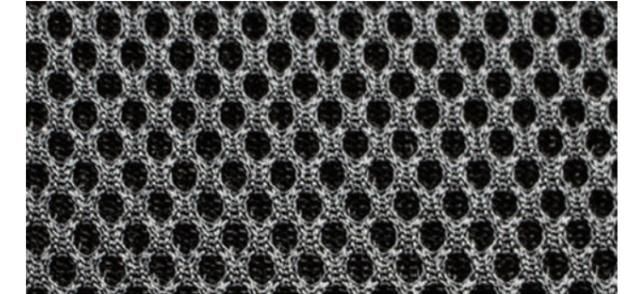| Model		CX40	CX60
Insertion Tube	OD	4.0mm	6.0mm
	Length	1.0M	1.0M
Effective Pixels		H1280 X V720	H1280 X V720
FOV		120°	120°
DOV		15mm-infi.	10mm-infi.
Illumination		Leds	

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Video endoscope
CA series

Videoscope CA Series

360-degree articulating and equipped with millions of high-definition lenses, the functions of zooming in, freezing, and inverting are still powerful. Equipped with industrial working channels, it can easily complete the grabbing of small parts in small spaces.

Original image

Zoom in 5x

Image freeze, Mirror and etc.

Mirror flip function

Reserved industrial channel

Suitable for various functional claws

CA Series：

X No function

Model		CA40	CA60	CA85
Insertion Tube	OD	4.0mm	6.0mm	8.5mm
	Length	1.0M	1.0M	1.0M
Working channel		x	x	ID: 2.8mm
Effective Pixels		H1280 X V720	H1280 X V720	H1280 X V720
FOV		120°	120°	120°
DOV		10mm-infi.	10mm-infi.	10mm-infi.
Illumination		Leds		
Monitor		4.5 inch LCD		

AVANLINE

●Excellent Ergonomics
●Streamlined Fuselage
●Easy Operation

WiFi connection to mobile phone

USB connection to a computer

CW Series

With excellent mechanical engineering design and excellent image output, imagesare presented to intelligent terminals through WIFI.
CW series may appear in various application scenarios of modern industry, scientific research, art and daily life.

CW Series:

X: No Item

Model		CW40	CW60
Insertion Tube	OD	4.0mm	6.0mm
	Length	1.0M	1.0M
Effective Pixels		H1280xV720	
FOV		120°	
DOV		10mm-100mm	10mm-infi.
Illumination		Leds	
Software System		Android, IOS or Windows	

AVANLINE

Excellent man-machine relationship can easily control and lock the distal bending angle.

The cooling device can be customized to meet the operation under high temperature.

The special flexible insertion tube is equipped with a very thin probe, which can pass through the winding complex cavity.

Built-in wifi function can transmit images to remote smart phones.

CT Series

★Excellent Image
★Multi-probe adaptability
★Effective Cost Control

The CT series can be popularized in various industrial fields.

CT Series:

X: No Item

Model		CT28	CT40	CT60	CT75
High Temp. Resistance		x	x	x	High Temp. Resistance
Insertion Tube	OD	2.8mm	4.0mm	6.0mm	7.5mm
	Length	1.2M	1.0M	1.0M	1.0M
Effective Pixels		H400xV400	H1280xV720		
FOV		120°			
DOV		5mm-80mm	10-100mm	10mm-infi.	
Illumination		Glass Fiber	LED-ring	Leds	
Monitor		4.5 inch TFT LCD			

AVANLINE

DA Series

Probe whose front-end direction can be accurately controlled with one hand by Joystick, perfect combination of high performance and economy, all in handheld DA series .

Unique Patented Omnidirectional Control Mechanism

The unique patented omnidirectional control mechanism design can realize accurate guidance through the central control lever.
Without electric drive, the reliability of operation is greatly improved.
The locking slide key can bend the distal probe Lock the angle and locate the doubtful points for further study and judgment.

Provided with an elastic arc tail ensures that a palm can also fit perfectly with the handle.
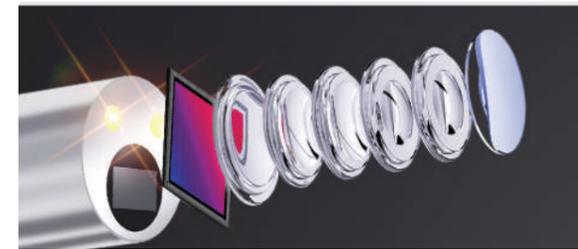
With sapphire glass protection, optical fiber illumination output, and the 2.8mm extremely thin wear-resistant probe, the series can explore easily in harsh and narrow space.

WiFi function can transmit the image to the remote smart phones in real time, making team cooperation more convenient.

DA Series:

X: No Item

| Model		DA28	DA40	DA60
Insertion Tube	OD	2.8mm	4.0mm	6.0mm
	Length	1.2M	1.0M	1.0M
Effective Pixels		H400xV400	H1280xV720	
FOV		120°		
DOV		5mm-80mm	10-100mm	10mm-infi.
Illumination		Glass Fiber	LED-ring	Leds
Monitor		4.5 inch TFT LCD		

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NG Series

Two Mega pixeles camera restores real images, built-in gyro chip, with excellent lighting output, and many outstanding performances.

Unique Locking Hook with Dual-function

Flick down to lock the bending part of the distal probe, and release to be used as a hook to hang the device vertically.

Adjust the BRT button to perfectly show the details of the highlight or dark part of the workpiece.
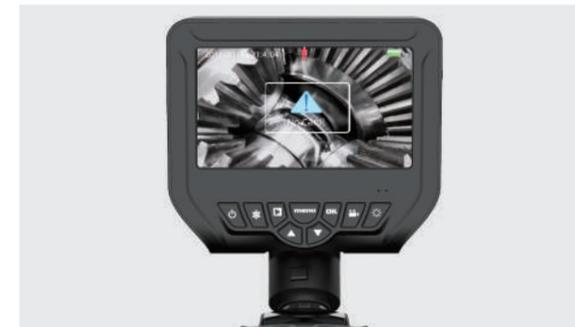
The built-in gyro chip can sense the orientation of the probe in space, and can be used for accurate positioning of defects through icon display.

Equipped with cooling device, the probe can enter the high-temperature area for observation.

NG Series:

X: No Item

Model		NG55	NG68	NG80
High Temp. Resistance		x	x	High Temp. Resistance
Insertion Tube	OD	5.5mm	6.8mm	8.0mm
	Length	STD 1.5M		STD 1.0M
		MAX. 3M		MAX.3M
Effective Pixels		H1920xV1080		
FOV		90°		
DOV		10mm-100mm	10mm-infi.	
Illumination		Leds	Glass Fiber	
Monitor		5 inch TFT LCD		

The display can be folded or rotated.
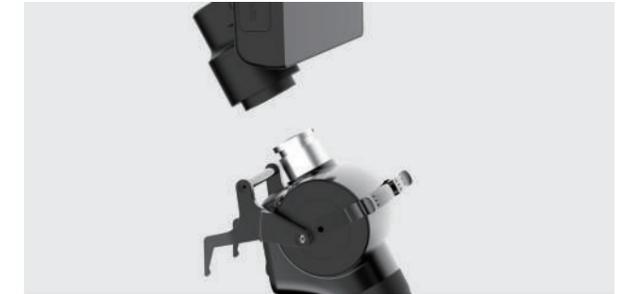
The display can be separated, and the handle can be replaced quickly through the quick connection connector.

The rear-mounted high-power light source, supplemented by highly efficient conductive optical fibers, makes the series obtain stronger makes the series obtain stronger and more stable lighting output.

High definition touch screen makes menu operation simple and fast.

The powerful graffiti function can be used to mark defective parts.
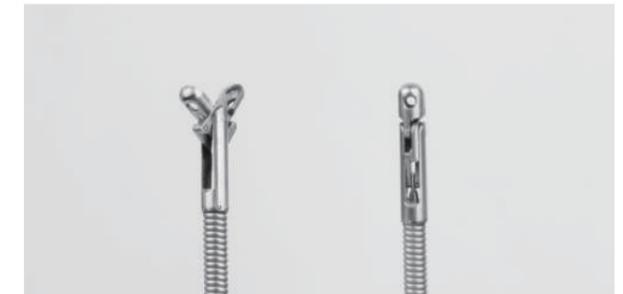
The working channel is equipped with special tools to extract foreign matters or fallen objects in the workpiece Small parts.

SV Series

The 5-inch high-resolution touch screen,
high-power light source and high-efficiency light guide fiber
which provide powerful illumination and
the advanced lens design, powerful image processing chip,
all these guarantee the excellent image quality of SV series.

SV Series:

X: No Item

Model		SV18	SV20S	SV20	SV21	SV28	SV30S	SV85	SV40
Working Channel		x	x	x	x	x	x	Working Channel	x
Direction of View		Front View	Side View	Front View	Front View	Front View	Side View	Front View	Front View
Insertion Tube	OD	1.8mm	2.0mm	2.0mm	2.1mm	2.8mm	3.0mm	8.5mm	4.0mm
	Length	STD 1.1M		STD 1.1M MAX. 2M	STD 1.1M	STD 1.2M MAX. 3M		STD 1.5M MAX. 2M	STD 1m
Effective Pixels		H400xV400							H1280xV720
FOV		120°							
DOV		3-50mm	1-20mm/3-100mm	3-50mm/3-80mm	3-80mm	5-100mm	3-50mm	5-100mm	10-100mm
Illumination		Leds		Leds/Glass Fiber	Glass Fiber		Leds	Glass Fiber	Glass Fiber
Monitor		5 inch Touch Screen LCD							

Video endoscope

SA Series

Videoscope SA Series

360-degree joystick accurately control, professional image processing software, lossless output images through HDMI.
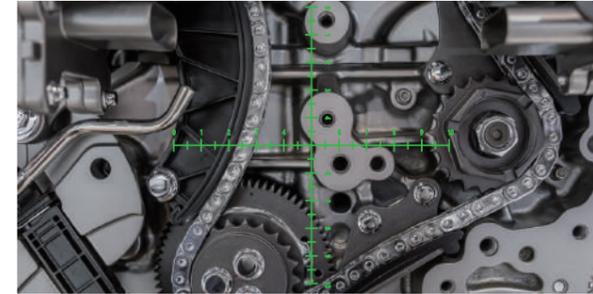
The ruler can estimate the defect size according to the target workpiece.

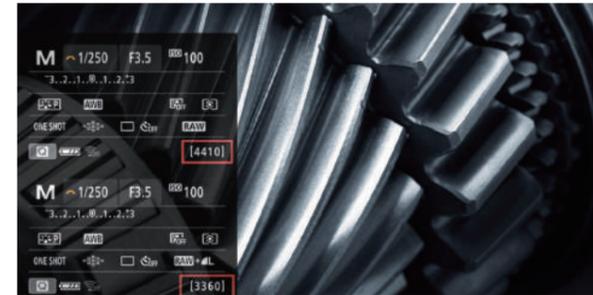Negative film makes defects easier to see.

Image parameters can be set to meet the detection requirements of each scene.

Super battery life more than 8-hour.

Real-time display of images via HDMI lossless output to another big HD monitors.

With the removable stand, it is convenient for various usage scenarios.

SA Series:

X No function

Model		SA20	SA28	SA30	SA40	SA60
Insertion Tube	OD	2.0mm	2.8mm	3.0mm side view	4.0mm	6.0mm
	Length	STD 1.1M	STD 1.2M	STD 1.2M	STD 1.5M	STD 1.5M
		Max. 2M	Max. 3M	Max. 3M	Max. 3M	Max. 3M
Effective Pixels		H400 X V400	H400 X V400	H400 X V400	H1280 X V720	H1920 X V1080
FOV		120°	120°	120°	120°	90°
DOV		3-50mm	5-100mm	3-50mm	8-120mm	15-200mm
Illumination		Leds	Glass Fiber	Leds	Glass Fiber	Glass Fiber
Monitor		5 inch Touch Screen LCD				