



Optivision VX video borescope

Applicable to check all foreign objects, welds, blockage, defects in kinds of pipelines, containers, parts and equipment; and can also be used for counter-terrorism, search and rescue . etc.



Features

High resolution

5 inches LCD with touch screen, resolution 1920X1080, interactive menu, easy for operation



Electric joystick

Flexible and labor-saving control, the probe rotates 360° to improve work efficiency



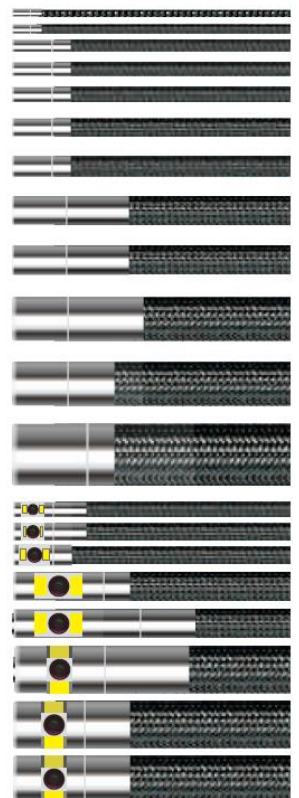
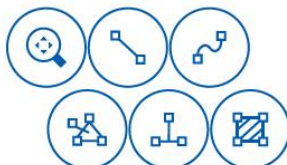
Multiple configurations

- Small diameter probes 1.0/1.2/1.8mm
- 2.4/2.8mm probe with 500,000 pixel
- 4/6/8mm 1080P probe
- White light/ ultraviolet/infrared probes
- Diameter more than 2.0mm probes with side view/ dual view HD
- 6/8mm dual view probes zoom function probes
- 6/8mm dual view probe with salvage tools, etc.



2D measurement

Point-to-point, point-to-line, point-to-surface, polyline, area and other measurement modes



Parameters

Software operation

Operating system	Android operating system ,touch/menu operation
Image control	Live image 10x magnification
Image format	PNG /JPG /JPEG1280X720 /1920X1080
Video format	MP4 /AVI /MOV /3GP1280X720 /1920X1080
Firmware update	Upgrade via SD card
Language	Currently supports Chinese, English, German, French, Japanese, Spanish, and Russian
LED brightness	Level10
Dual camera display	Picture in picture
Image adjustment	brightness/hue/saturation/contrast/white balance/exposure/gain
Image comparison	Real time pictures vs storage pictures
function	Picture freeze / Take photos while recording / Screenshot function / Image rotation / Temperature alarm / Screen lock / Energy saving mode / Picture rename / Text annotation / Negative film / Documentation report / Image ruler / 2D measurement
Picture editing	Adjust brightness, color temperature, contrast, saturation, etc.
Picture doodle	Tags , stickers , graffiti
File processing	File/folder/add /copy /delete /rename

Controller parameters

Touch screen	Multi-touch	Video output	HDMI
LCD display	5 inches 1920X1080	USB	mini USB
Display frame rate	30 fps	Bluetooth	Available
Joystick control	Manual/Electric	WIFI, video	Available
Probe interchangeable	Available	Brightness control	Level 10
Audio	Built-in mic, speaker	Ram	4G
OTG	Read U disk	Internal storage	32G
MTP	Computer reading device	SD card	256G

Small Diameter Series

Probe Diameter	1.0mm	1.2mm	1.6mm	1.8mm	2.0mm
Camera housing length	4mm	4mm	6mm	6mm	6mm
Probe Length	1M	1M	1.5M	1.5M	1.5M
Photo Sensor	CMOS1/32	CMOS1/32	CMOS1/32	CMOS1/18	CMOS1/18
Effective Pixels	160,000	160,000	160,000	160,000	500,000
Depth of Field	3~30mm	3~30mm	3~30mm	5~50mm	5~50mm
FOV	>120°	>120°	>120°	>120°	>120°
DOV	0°	0°	0°	0°	0°
Illumination Output	>3000lux	>3000lux	>3000lux	>3000lux	>3000lux
Articulation	NA	NA	NA	NA	2 way

Regular Series

Probe Diameter	2.4mm	2.8mm	3.9mm	3.9mm	6.2mm	6.0mm
Camera housing length	6mm	6mm	10mm	18mm	13mm	18mm
Probe Length	1.5M	1.5M	2/3M	2/3M	2/3.5/6M	2/3.5M
Photo Sensor	CMOS 1/18	CMOS 1/18	CMOS 1/9	CMOS 1/9	CMOS 1/6	CMOS 1/6
Effective Pixels	500000	500000	720P	720P	1080P	1080P
Depth of Field	5~50mm	5~50mm	8~80mm	15mm~∞	10~100mm	18mm~∞
FOV	>120°	>120°	>120°	>90°	>120°	>80°
DOV	0°	0°	0°	0°	0°	0°
Illumination	LED	LED	LED	Fiber	LED	Fiber
Illumination Output	>3500lux	>5000lux	>18000lux	>60000lux	>60000lux	>160000lux
Articulation	2 way	4 way	4 way	4 way	4 way	4 way

Side View Series

Probe Diameter	2.0mm	2.4mm	2.8mm	3.9mm	3.9mm	6.0mm	6.4mm	6.0mm	6.4mm
Camera housing length	10mm	10mm	8mm	16mm	25mm	16mm	24mm	22mm	24mm
Probe Length	1.5M	1.5M	1.5M	2/3M	2/3M	2/3/6M	2/3.5/6M	2/3.5M	2/3.5/6M
Sensor	CMOS 1/18	CMOS 1/18	CMOS 1/18	CMOS 1/9	CMOS 1/9	CMOS 1/9	CMOS 1/9	CMOS 1/6	CMOS 1/6
Effective Pixels	500000	500000	500000	720P	720P	720P	720P	1080P	1080P
Depth of Field	5~50mm	5~50mm	5~50mm	5~25mm	F: 8~80mm S: 5~25mm	8~80mm	F: 8~80mm S: 5~25mm	8~80mm	F: 8~80mm S: 5~25mm
FOV	>90°	>90°	>120°	>90°	>90°	>90°	>90°	>90°	>90°
DOV	90°	90°	90°	90°	0°&90°	90°	0°&90°	90°	0°&90°
Illumination Output	>3000lux	>5000lux	>5000lux	20000lux	20000lux	40000lux	F: 40000lux S: 20000lux	40000lux	F: 40000lux S: 20000lux
Articulation	2 way	2 way	4 way	4 way	4 way	4 way	4 way	4 way	4 way

Special Series

	Working Channel	UV (365nm)	UV (365nm)	Zoom lens	Extra long style	Infrared (940nm)	Infrared (940nm)
Probe Diameter	6.4mm	4.5mm	6.4mm	8.4/ (6.4) mm	6.2/8.4mm	4.0 mm	6.0mm
Camera housing length	18mm	16mm	16mm	23mm	16mm	18mm	16mm
Probe Length	2/3M	2/3M	2/3.5M	2/3.5M	10M	2M/3M	2M/3.5M
Sensor	CMOS 1/9	CMOS 1/9	CMOS 1/6	CMOS1/4(1/6)	CMOS 1/4	CMOS 1/9	CMOS 1/4
Effective Pixels	720P	720P	720P	720P	720P	720P	720P
Depth of Field	15mm~∞	8~80mm	10~100mm	6/(5)mm~∞	15mm~∞	60mm~∞	60mm~∞
FOV	>90°	>120°	>120°	>90°	>120°	>70°	>80°
DOV	0°	0°	0°	0°	0°	0°	0°
Illumination Style	LED	LED	LED (Fiber)	LED	LED	Infrared light	Infrared light
Illumination Output	>18000lux			>60000lux	>60000lux		
UV irradiance		1000uw/cm ² @ 2cm	2500/ (4000) uw/cm ² @ 2cm			>7M	>15M
Articulation	4 way	4 way	4 way	4 way	4 way	4 way	4 way

Aerospace



Machining



Heavy industry



Wind power

