

Economical and Durable Industrial Videoscope

NV Series

The NV series is a versatile video industrial endoscope that balances economy and durability, featuring a large display, long battery life, enhanced side vision, and WIFI image sharing capabilities.



5-inch HD Display & Long Battery Life

Equipped with a 5-inch high-definition display and an 8350mAh ultra-high-capacity battery, the NV series ensures all-day outdoor use without worrying about power.

Enhanced Side View

Additional side-viewing lenses on 4mm and 6mm diameters provide a broad view of lateral areas.

WIFI Image Sharing

Allows for easy sharing of images with colleagues using smartphones during inspections, facilitating smoother diagnostics.

Features

Quick and simple operation

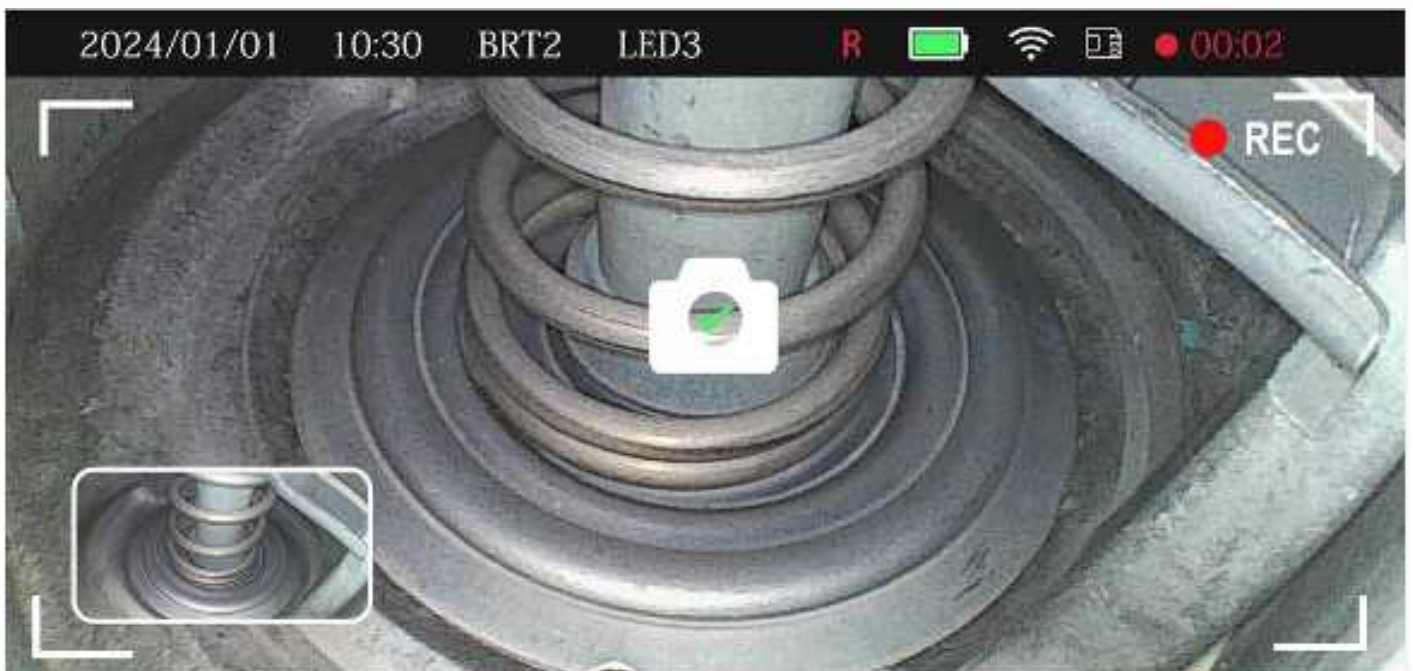
The NV Series Video Endoscope combines ergonomic design with functionality, assisting you in performing rapid and efficient inspections.



The joystick allows for easy manipulation of the camera direction in a full 360-degree range, along with a one-button to lock onto the specific angle of observation.

Simultaneously capture still images and videos

During the process of video recording, by pressing the photo button, you can capture the current frame and save it.

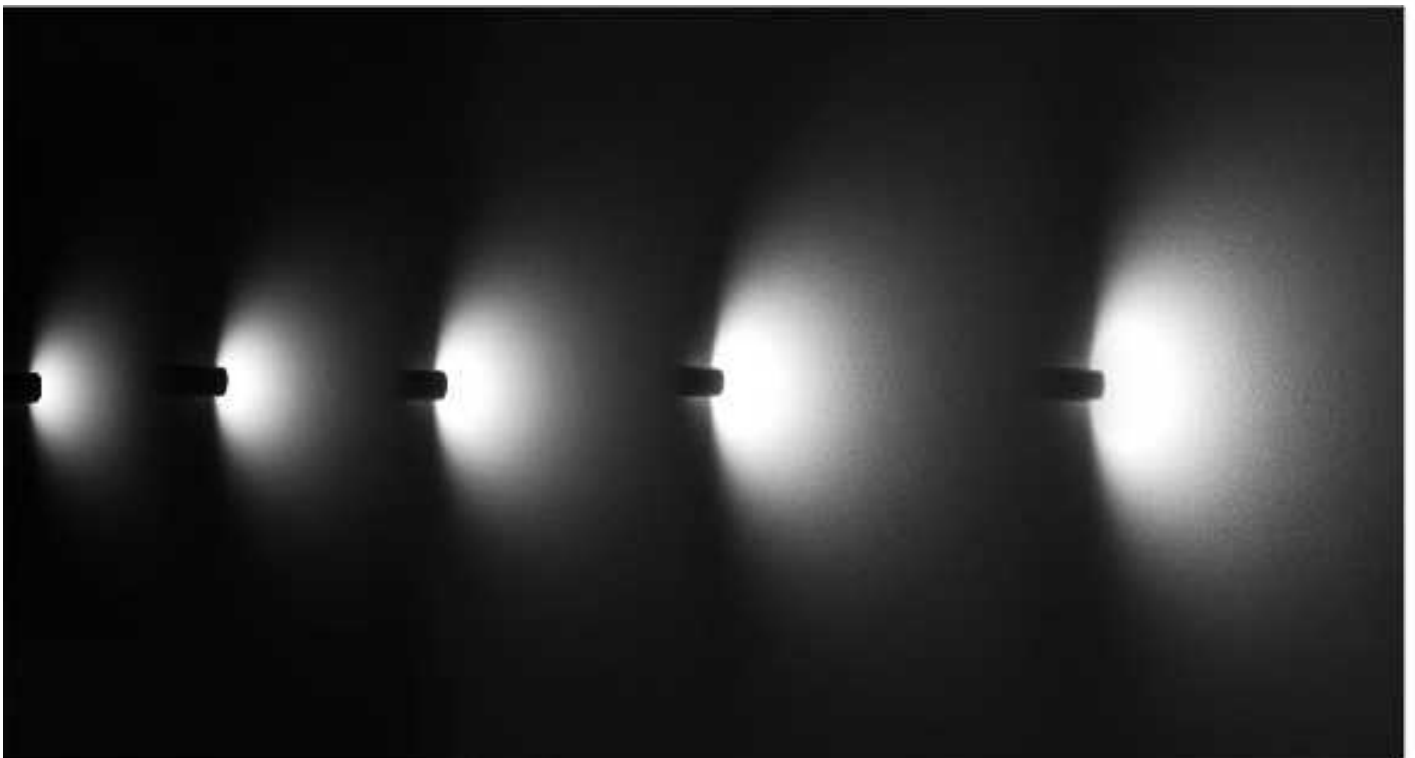


Brightness adjustable

Besides adjusting the screen brightness, the easily accessible button allows for illumination control at 5 levels (1-5).



Showcasing different screen brightness levels



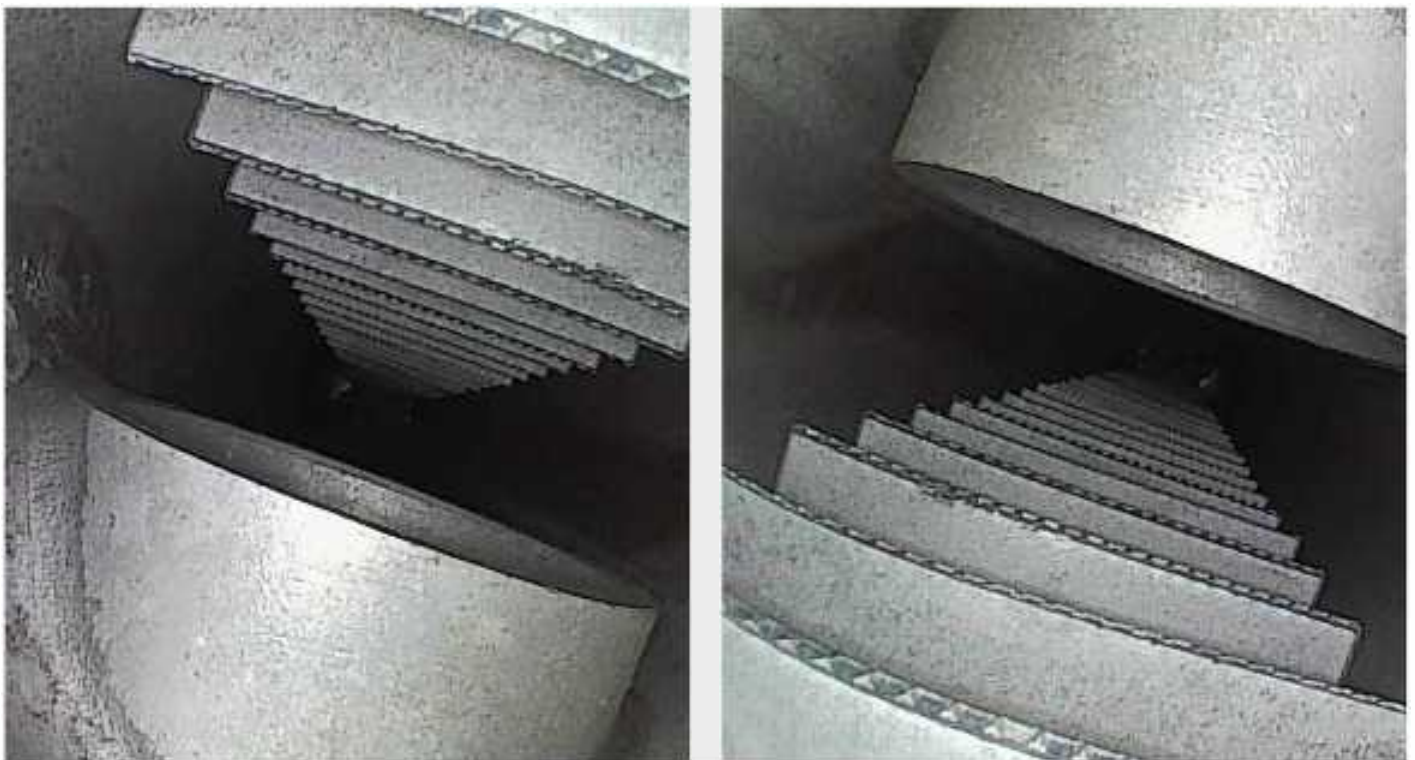
Showcasing the different illumination levels

Practical and convenient functions

Convenient Image Viewing - Image Freeze and Inversion



By freezing the image, it allows for a more thorough examination, ensuring that no details or potential issues are missed.



The image inversion function allows for observing the inspection points from a better angle.

Image Sharing

By WIFI function to share images in real-time with colleagues during inspections, enabling faster and more effortless problem diagnosis.



Showcasing WIFI Usage Scenario

Diverse Lens and Light Source Options

A rich product line is the key to ensuring the versatility of the NV series, with multiple probe ranges from 2.8mm to 6.5mm to choose from to meet different testing environments (Please refer to the specification for details)



Wide range optional of probe

Reassuring Battery Life

8 High-capacity battery offers ultra-long power supply, Taking the 4.0mm dual-cam as an example, continuous working time can reach up to 11 hours



Battery inside panel



Battery inside handle end

Convenience for work and portability

Specially equipped a working stand for the NV series video endoscope, which allows for easier operation when conducting inspections on a desktop. Additionally, the bottom of the stand supports the addition of magnetism to secure stability



Robust and portable carrying case

Items can be neatly arranged inside, ensuring readiness for prompt setup and transportation whenever needed.



Detachable monitor

Separable monitor and handle makes it easy to put into your backpack.



Technical parameters

Insertion tube and Optical Specifications

Illumination by LED at the front

Model		NV-40H	NV-60H	NV-62H
Insertion tube	Diameter	4mm	6mm	6.2mm
	Length Std	1m	1m	1m
	Exterior	Stainless steel braid	Stainless steel braid	Stainless steel braid
	Articulation	All way	All way	All way
	Length Max.	3m	3m	15m
Optical & probe end	Outer Diameter	4mm	6mm	6.2mm
	Rigid length	15mm	13mm	13mm
	Pixel	1,000,000	1,000,000	1,000,000
	Depth of view	8~100mm	10~100mm	10~100mm
	Illumination	LED	LED	LED
	Field of view	120°	120°	120°
	Housing material	Stainless steel	Stainless steel	Stainless steel
	Cover	Optical glass	Optical glass	Optical glass

Illumination by fiber guiding

Model		NV-28W	NV-40HW	NV-60HW
Insertion tube	Diameter	2.8mm	4.0mm	6.0mm
	Length Std	1.2m	1m	1m
	Exterior	Tungsten braid	Tungsten braid	Tungsten braid
	Articulation	All way	All way	All way
	Length Max.	3m	3m	3m
Optical & probe end	Outer Diameter	2.8mm	4.0mm	6.0mm
	Rigid length	5mm	7.5mm	13mm
	Depth of view	3~100mm	8~100mm	10~120mm
	Illumination	Fiber guiding	Fiber guiding	Fiber guiding
	Pixel	160,000	1,000,000	2,000,000
	Field of view	120°	120°	90°
	Housing material	Stainless steel	Stainless steel	Stainless steel
	Cover	Sapphire	Sapphire	Sapphire

Dual view (Forward & Side view)

Model		NV-40B	NV-60B	NV-65B
Insertion tube	Diameter	4mm	6mm	6.5mm
	Length Std	1m	1m	1m
	Exterior	Stainless steel braid	Stainless steel braid	Stainless steel braid
	Articulation	All way	All way	All way
	Length Max.	3m	3m	3m
Optical & probe end	Outer Diameter	4mm	6.5mm	6.5mm
	Rigid length	18mm	18mm	18mm
	DOV (Forward)	8~100mm	10~100mm	10~100mm
	DOV(Side)	5~50mm	8~80mm	8~80mm
	Illumination(Forward)	LED	LED	LED
	Illumination(Side)	LED	LED	LED
	Pixel (Forward)	1,000,000	1,000,000	1,000,000
	Pixel (Side)	1,000,000	100	100
	FOV (Forward)	120°	120°	120°
	FOV (Side)	120°	120°	120°
	Housing material	Stainless steel	Stainless steel	Stainless steel
	Cover	Optical glass	Optical glass	Optical glass

Display & System

Display	Panel	5-inch touch panel 1024 * 768P
	Dimensions	14.3 * 12.4 * 4.6cm
Power supply	Adaptor	Type-C 5V/2A
	Battery	5000mAh+3350mAh
Recording media		32GB Micro-SD

Recording management

Recording files	Video recording	MOV format, Resoluion is subject to the matching probe, 720P Std.
	Picture taking	JPG format, Resoluion is subject to the matching probe, 720P Std.

Software functions

Image functions	BRT	Rotation
	Freeze	Mirror
Additional functions	Screenshot	Allow screenshot capturing from video recordings
	Resolution setting	1920*1080/1280*720 optional
Date setting	Y/M/D, H/M/S	
Language	English,Chinese, German, Portuguese, French, Spanish, Korean, Japanese, Russian, Italian	
WIFI	Recommend Using Apps by Avanline	
Other functions	Formatting,Automatic Shutdown,Restore to Factory Settings	

Operating environment

Operating temperature	Other parts	0 ~ 40°C
	Insertion tube	0 ~ 50°C
Humidity	All parts	15 ~ 90%RH
Dust and water proofing	Other parts	IP52
	Insertion tube	IP67

Applications

Wind Power Maintenance



Turbines



Gearbox



Gear Set

Pipeline Welding Inspection



Dual -cam in pipeline inspection



Forward view



Side view

Precision Machining



Precision cutting



Internal hole



Casting cavity

Automobile industry



Engines



Intake valve coke deposits view



Use the tool channel to grab small fallen parts