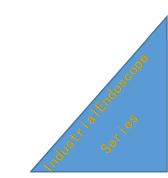


# **N**-series

Industrial Endoscope



## yateks®

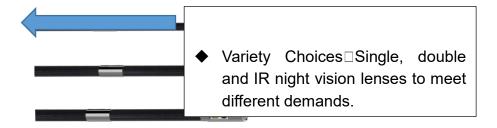


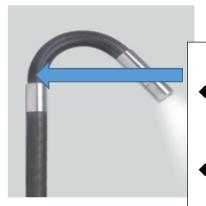
## **Technical Advantages**



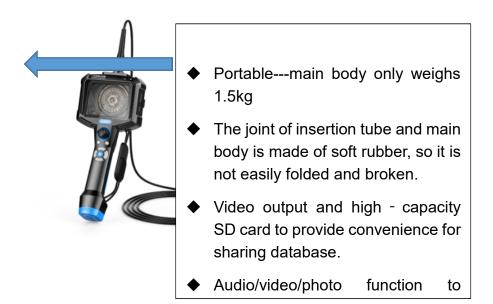
 Flexible Control electromagnetic rocker control structure, probe bends arbitrarily for 360°

- HD Screen□5 inch screen, 450,000 pixels, high□definition and rich image.
- Light blocking design at the top, screen still viewable under





- Anti-friction and anti-erosion insertion tube is woven with 4layer of tungsten alloy.
- Probe luminance can reach 20000Lux, adequate light source



## **Application field**

1. Aviation & Space Industry

It can be used to inspect regularly turbine, blades, engine, surface of welding and conductor pipes, combustion chamber in plane or plane itself, and in development and manufacture of rocket.

#### 2. Electrical Production and Construction Unit

It can be used to probe and monitor any defects of apparatus such as turbine, pipes.

#### 3. Petro - Chemical and Pressure Container Industries

It can be used to inspect reserve tanks, heat exchangers and tank trucks in oil refinery, pipes in chemical plant and containers, steel cylinders and pipes in special inspection unit and pressure container plant.

#### 4. Railway, Ship, Construction Engineering and Research Unit

**Railway/Ship:** It can be used to inspect electrical locomotive, air-conditioner, turbine, heater, gas - engine and flames of boiler.

**Construction Engineering:** It can be used to inspect erosion and fouling of pipes, inter of wall, rust of concrete iron, break of support shaft and bridge connection part; to observe caves inside tunnel and construction model; to diagnose erosion and blockage of running water pipe.

Research Unit: It can be used in observation, research, trial, archaeological work and etc.



## **Models for N-series**

		Model no	Description						
Ν	lodel		Probe Diameter						
			bends	(mm)	length (m)	location	Depth of Field	Luminance	Angle of view

	N615FN	150±10°	6	1.5	Front	5 - 25mm	24000 lux	90°
	N620FN	150±10°	6	2	Front	5 - 25mm	24000 lux	90°
	N630FN	120±10°	6	3	Front	5 - 25mm	24000 lux	90°
Ν	N410FN	170±10°	3.9	1	Front	7 - 80mm	6000 lux	100°
	N420FN	150±10°	3.9	2	Front	7 - 80mm	6000 lux	100°
	N430FN	150±10°	3.9	3	Front	7 - 80mm	6000 lux	100°
	N450FN	150±10°	3.9	5	Front	7 - 80mm	6000 lux	100°
	Model no			Description				
		odel no Probe	Diameter Insertion tube		Camera	Middle Focal Camera		
		bends	(mm)	length (m)	location	Depth of Field	Luminance	Angle of view
N	N615FM	150±10°	6	1.5	Front	7 - 80mm	24000 lux	60°
	N620FM	120±10°	6	2	Front	7 - 80mm	24000 lux	60°
	N630FM	120±10°	6	3	Front	7 - 80mm	24000 lux	60°
	N650FM	120±10°	6	5	Front	7 - 80mm	24000 lux	60°
	N680FM	120±10°	6	8	Front	7 - 80mm	24000 lux	60°
	Model no		Description					
		Probe		Insertion tube		Far	Focal Came	ra
Ν		bends	(mm)	length (m)	location	Depth of Field	Luminance	Angle of view
	N615FF	150±10°	6	1.5	Front	50mm- ∞	24000 lux	60°
	N630FF	120±10°	6	3	Front	50mm- ∞	24000 lux	60°

## Specification

Module Submodule	YTE-4N series	YTE-6N series
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	Dimension	160*460*90mm(main body only) 420*520*220mm(transport case)				
	Weight	1.25kg(main body only) 6.5kg(with transport case)				
	Display screen	5" IPS industrial HD LCD screen				
	Control lever	Electric rocker with lens able to rotate in 360-degree				
System	Probe reset	Automatic set				
	Direction fine tuning	Direction fine tuning adjustable				
	Functions	Photography, video, brightness control, locking and fine tuning				
	Internal storage	16G high speed TF card				
	Data I/O port	TF card interface, TVOUT signal interface, charge interface and USB interface				
	Battery	Two 18650 Lithium batteries(replaceable)				
	Standby time	4 Hours				
	Brightness Control	4-degree brightness adjustment				
	Probe dimension	4.0mm±0.1mm	6.0mm±0.1mm			
	Total length	1-5m	1-8m			
	luminance	6,000 lux	24,000 lux			
Front video	Angle of view	100°				
probe	Angle of bending	170±10°(max)~120±10°(min)				
	Effective pixels	Direct view of 750,000 pixels				
	Depth of field (mm)	7-80mm				
	Direction of rotation of lens	Electric rotation of any direction at 360°				
	Material of insert tube	Tungsten wire wear-resistant tube				
	Waterproof of Probe	IP67				

	Operation system	Real time multitasking operation system		
	User interface	Pull down operation menu		
	File management	Support image and video play, delete, format and naming		
	Image control	Zoom in/out, playback		
Software	Image format	JPEG/JPG/PNG(record the date and time)		
	Video format	AVI (record the date and time)		
	Language	English/Chinese/Korean/German/Russian		
	Software upgrading	Upgrading available by interfaces		