



AOHUA

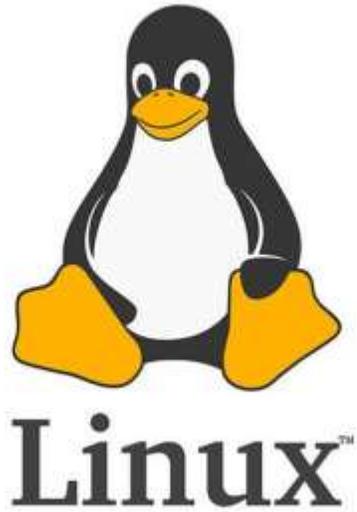
Introduction to VET-OR1800

30 **SINCE**
1994

AOHUA ENDOSCOPY CO., LTD.

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1. Base on Linux Platform



- Fast Image transmission
- Better Image quality
- Less system crash

- Better resolution
- Bigger Instrument channel
- Lower maintenance costs

2. Latest Module



New Scope VET-7828R (2025 Q4)

Model	Working Length (mm)	Diameter of distal end (mm)	Diameter of instrument channel (mm)	Range of bending	Field of view
VET-2812R	1000	2.8	1.2	U180°D130°	120°
VET-6028R	1500	6.0	2.8	U210°D90°L100°R100°	120°
VET-7828R (2025 Q4)	1500	7.8	2.8	U210°D90°L100°R100°	120°

Disposable Bronchoscope DEV series (2025 Q4)

	Model	Working Length (mm)	Diameter of distal end (mm)	Diameter of instrument channel (mm)	Range of bending	Insertion Tube Rotation	Field of view
HD Disposable Endoscope	DEV-4922H	600	4.9	2.2	U210°D210°	L90° R90°	120°
	DEV-5832H	600	5.8	3.2	U210°D210°	L90° R90°	120°
Practical Disposable Endoscope	DEV-3112	600	3.1	1.2	U210°D210°	L90° R90°	120°
	DEV-3822	600	3.8	1.2	U210°D210°	L90° R90°	120°
	DEV-4932	600	4.9	3.2	U210°D210°	L90° R90°	120°

Ultimate Tower Endoscopy system

VET-OR1800

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The Next Generation Endoscopy System for Veterinary Experts

CBI

(Compound band imaging)

Target suspicious lesions and make accurate biopsy.

4K Image Processor



Improved clinical performance

3 LED Light Source



Stronger light source with full-field illumination

DICOM



Streamlined patient management



VET-OR1800 vs. OR-160

From Good to Better
Hardware

	VET-OR1800 	OR-160 
Screen	10.5" Touch screen panel Brightness adjustable	18.5" Touch built-in screen
External monitor	Required	Optional
Image processor	4K	FHD
Output Interface	HDMI/DVI/SDI	DVI/SDI
Light source	3 LED	1 LED
Trolley	Required, AET-L1	Optional, AET-V1
Memory	512 Gb	128 Gb
USB interface	3	4

Ultimate Tower Endoscopy system

Processor of VET-OR1800

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Ultimate Tower Endoscopy system

Basic Product Portfolio

1 Processor with 1 Flexible scope and 1 Rigid camera head



+



Flexible Endoscope

+

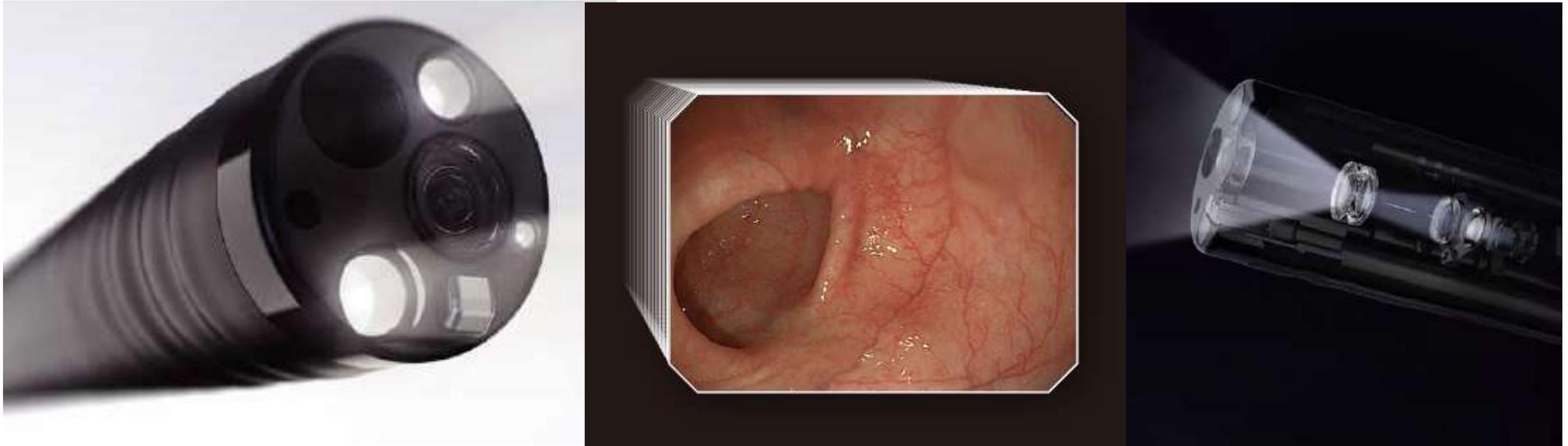


FHD Rigid Camera Head

Can be upgraded to
4K camera head (2026 Q3)

Improved Clinical Performance

3 LED Light Source



- 3 LED light source with a lifespan of over 30,000 hours (Real-time monitoring of remaining lifespan)
- **Stronger light for laparoscopy** (same as STORZ, by KOL)
- Automatic brightness adjustment for both flexible and rigid endoscopes

VET-OR1800 vs. OR-160

From Good to Better Software



	VET-OR1800	OR-160
CBI	Flexible: CBI-R/D/Q (REAL) Rigid: CBI-R	CBI-R (DIGITAL)
HBE	✓	X
Image Enhancement	3 modes, 15 levels	3 modes, 3 levels
STCE (Specific Texture and Color Enhancement)	✓	X
Dark Area Brightening	✓, Enabled (can be disabled)	X
Denoising	✓, Enabled (can be disabled)	X
Dehazing (Upgradable)	✓	X
Moire Reduction (Upgradable)	✓	X
Storage Format	Image - .jpeg/.bmp Record - .mp4	Image - .png Record - .avi
Patient Management System	✓	✓
DICOM	✓	✓(upgradable)
Language	CN/EN/DE/ES/IT/FR/PT/RU/PL...	EN

Improved Clinical Performance

Image Enhancement & STCE

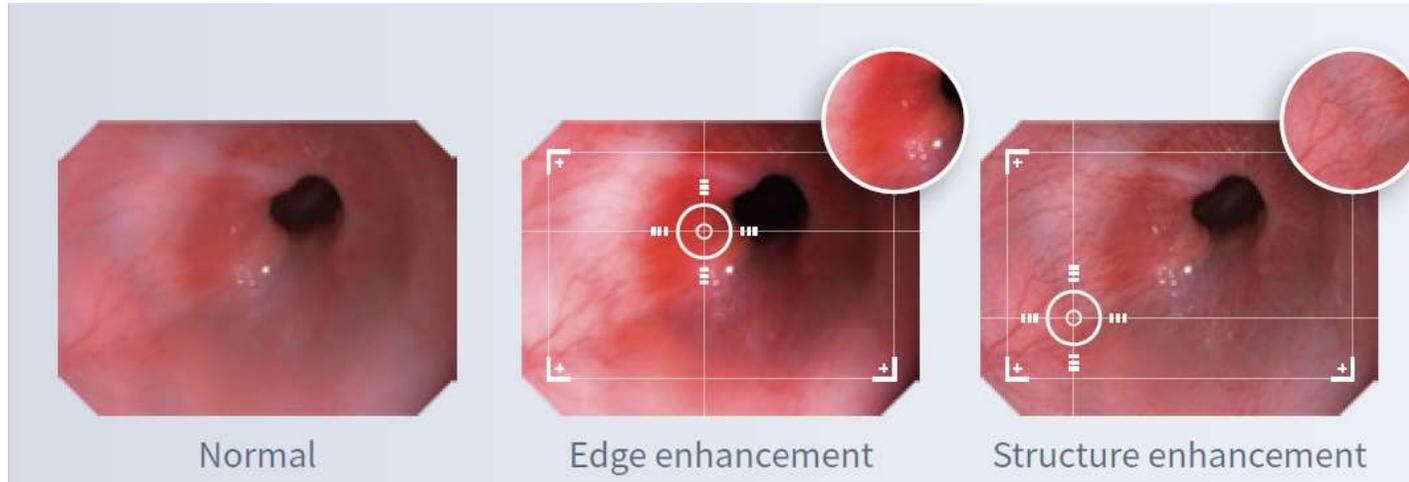


Image Enhancement

2 Models, 15 levels

STCE

Specific Texture and Color Enhancement



Normal



STCE



Improved Clinical Performance

CBI (Compound Band Imaging)



CBI 光学染色 窄带成像

搭载独立可控的多个LED光源, 可将白光及多种短波长光通过图像处理器进行操控, 实现白光和3种CBI窄带光照明模式。

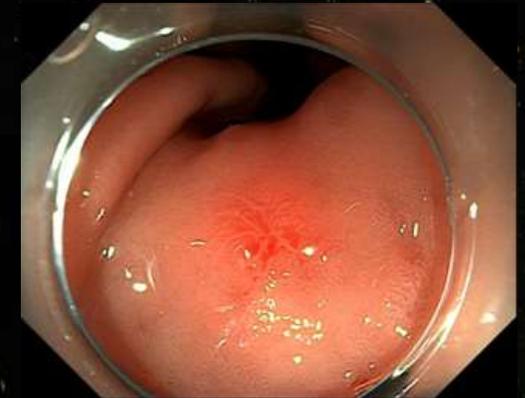
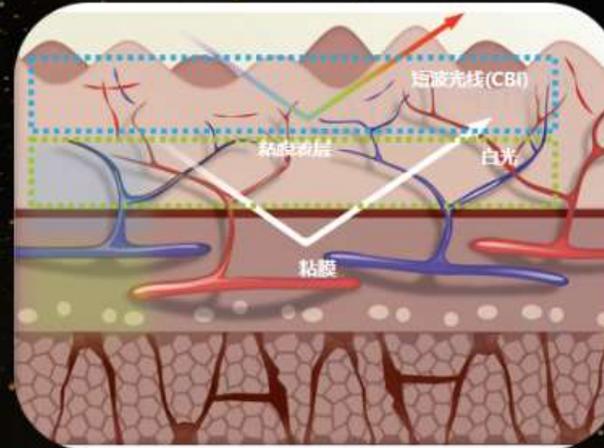
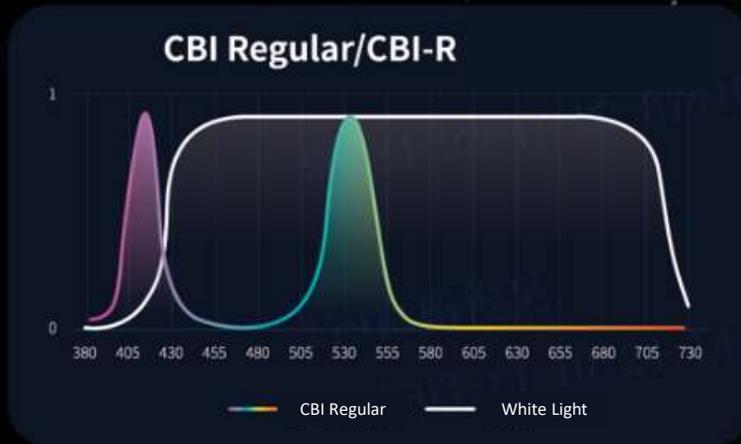
Compound Band Imaging (CBI) enables observation of changes in the morphology of lesioned mucosal glands and microvascular structures through optical staining.

VET-OR1800 Equipped with independently controllable multiple LED light sources, the system channels both white light and various short-wavelength lights through the image processor to enable white light and three CBI narrow-band illumination modes.

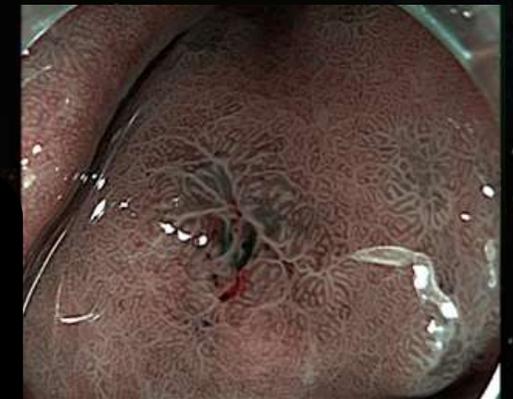
Improved Clinical Performance

CBI Regular (Flexible & Rigid)

CBI-R



White Light



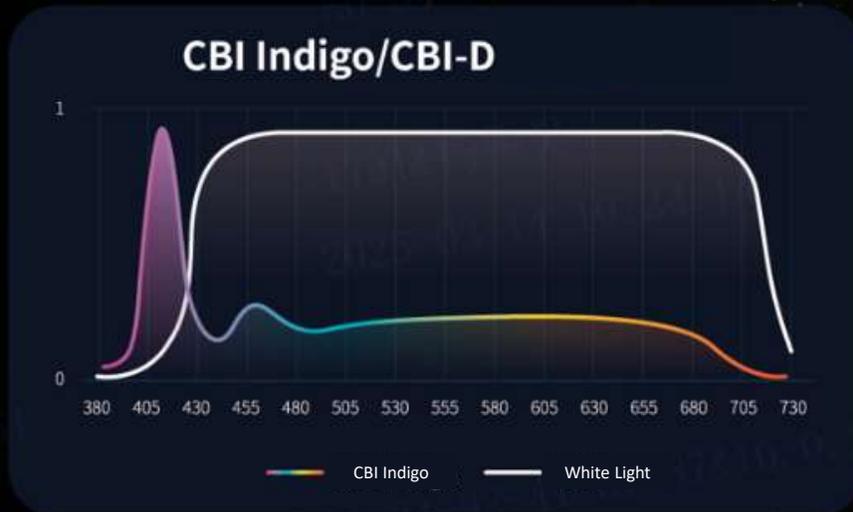
CBI-R

- Blue light with a wavelength of 405–425 nm is easily absorbed by fibrous tissue in the mucosal layer, while green light at 530 nm targets submucosal blood vessels.
- Therefore, under LED illumination, the CBI mode uses 405–425 nm and 530 nm LED light sources to both delineate mucosal lesions and highlight submucosal vascular structures.

Improved Clinical Performance

CBI Indigo (Flexible)

CBI-D



White Light



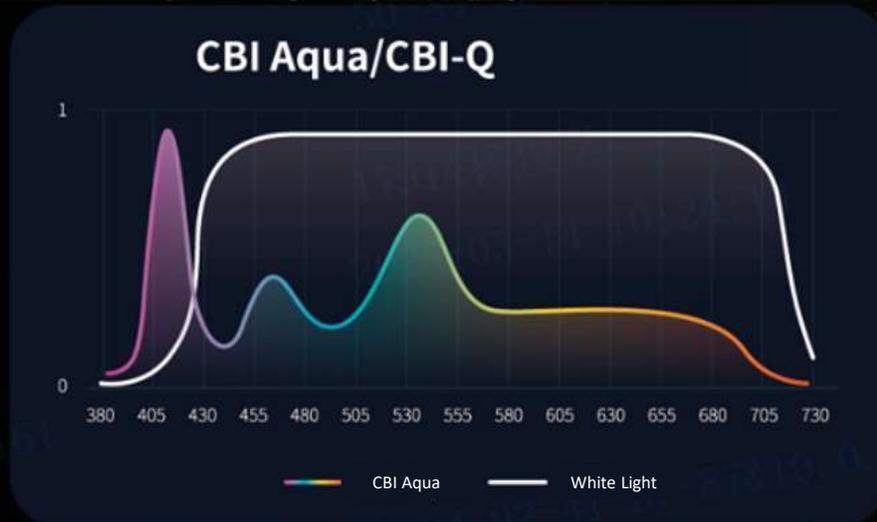
CBI-D

- In the white light mode of the AOHUA endoscopy system, a controlled amount of 405–425 nm narrow-band blue light is added to enhance color contrast in red areas.
- This increases the visual contrast of vascular textures and improves the visibility of hemoglobin, making mucosal surface vessels more prominent.

Improved Clinical Performance

CBI Aqua (Flexible)

CBI-Q



CBI-D



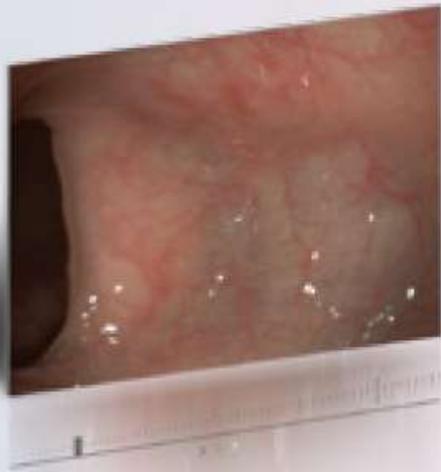
CBI-Q

- The CBI aqua mode builds on the CBI mode by adding a controlled amount of white light to the existing blue and green narrow-band illumination.
- While retaining key features of the original CBI effect, algorithmic adjustments enhance the visibility of normal mucosal structures and shift the overall color tone closer to that of standard white light.

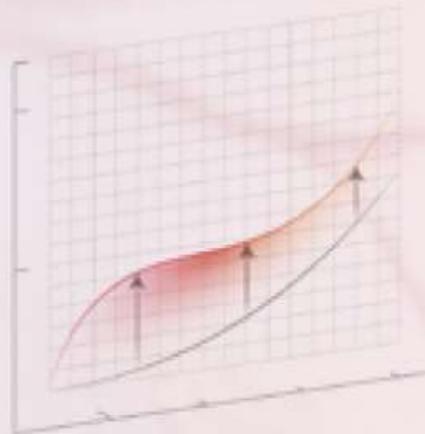
Improved Clinical Performance

HBE (Hemoglobin Enhancement)

HBE



High color rendering
strongb contrast



Enhance the
mucosal vascular morphology

More than Patient Information

Save Patient Information

- For new patients, a new profile needs to be created.
- For returning patients, select their profile from the patient management system.
- Allows editing of select patient information.
- Enables adding comments after completing the procedure.



NEW PATIENTS
PROFILE



PATIENT
MANAGEMENT

Centralized Patient Data

Automatic File Categorization

- Automatically generates individual folders upon patient creation and selection.
- Stores all images and videos in the respective patient folder for easy access.
- Simplifies organization and categorization of patient data.



PATIENTS
PROFILE



Adaptable Customization

Customizable Shortcut Buttons



Flexible Endoscopy



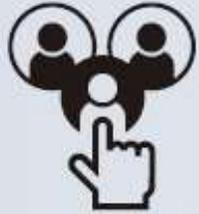
Rigid Endoscopy



When connected to either flexible or rigid endoscope handles, additional customizable buttons are available. This setup enables convenient operation of specific functions during procedures.

Have Your Own Personalized Settings

Multi-user Presets



Multi-user
settings



Multi-user settings allow up to five different user presets, including customized buttons and other default settings, enabling seamless one-click switching in multi-user scenarios.

Storage

DICOM



- If the hospital is equipped with a PACS system, the VET-OR1800 system will seamlessly convert the storage format to DICOM and automatically upload the data to the server.

Storage

Multiple Storage Options



- Internal memory 512GB EMMC, big enough for patient data saving.



- When a USB drive is detected, data will automatically be stored on both the USB drive and the internal memory.

Mission

Make endoscopy diagnosis and treatment more efficient and intelligent

Vision

Become a global enterprise, advancing endoscopic care for all

THANKS

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