

*Kowa*



Technology for Life Science

Two-In-One Non-Mydriatic and  
Mydriatic  
Fundus Camera

Kowa *VX-10*

**New**





Technology for Life Science

# Two-In-One Non-Mydriatic and Mydriatic Fundus Camera

# Kowa VX-10

## Kowa presents the VX-10, Two-In-One Mydriatic and Non-Mydriatic Camera. High functionality, high-quality images and easy to use, VX-10 is the ideal tool for eye-care photography.



### Three photographic modes

- 3 modes with one touch mode switch (non-mydriatic/mydriatic/fluorescein).
- Mydriatic color photography can be now aligned through TV observation monitor.
- Multiple step flash for proper exposure in the various photographic modes.
- Built-in internal fixation lamp for optic nerve head photography.
- Built-in small pupil mode (when mydriatic color, fluorescein use) for patients with insufficient pupillary dilatation.

### Easy functionality

- Easy alignment, focusing adjustment with the TV observation monitor.
- Operationally focused, darkroom adapted navigation panel.
- Clear viewfinder with the Long Eye Relief design.
- Simple focusing with the point matching method.
- Electric insertion of the fluorescein filter.

### Adapted to the newly developed CCD camera

- High resolution images when combined with the 2.1 mega pixel digital CCD camera (KD-211C) (1600X1200 pixels image size) or the 6 mega pixel digital CCD camera.
- VX-10 combined with the VK2 imaging system is part of an ideal digital imaging environment with multiple digital/video image inputs and networking.

### Options

- Video adapter (for KD-211C)
- 2.1 mega pixel digital CCD camera KD-211C
- Grip
- Video adapter (1/2" bayonet)
- Green (red free) filter
- VK-2 Digital imaging system



## VX-10 Specifications

<b>Photographic Angles</b>	Mydriatic 50° 25° Nonmydriatic 45° 22°	<b>External Fixation Lamp</b>	red / green, flashing
<b>Photographic Magnification</b> ※1	50° → (2.0x) 25° → (3.6x)	<b>Amount Of Exposure</b>	300WS~0.6WS, 19 steps Proper exposure automatically set based on angle of field and film sensitivity.
<b>Picture Size</b>	35mm film φ26mm x 22mm oval Polaroid film (myd) φ84.5mm (vertical 71.5mm; horizontal 79mm Max.) (non-myd) φ76.1mm (vertical 71.5mm; horizontal φ76mm)	<b>Filter</b>	Barrier & exciter filter, electronic powered insertion
<b>Working Distance</b>	39mm (between objective lens and cornea)	<b>Fluorescein Photography</b>	Photographic interval: 1frame/sec
<b>Minimum Pupil Diameter</b>	Nonmydriatic mode φ4mm Mydriatic mode φ5.5mm (small pupil mode φ4mm)	<b>Monitor</b>	5.6 inch, LCD monitor, B & W alignment, color capture display
<b>Focusing Luminescence</b>	point matching method (ON/OFF switch)	<b>Data Imprinting</b>	Timer and handwritten data
<b>Dioptr Compensation Range (Patient's eye)</b>	-12D~+13D +10D~+35D (with + compensation lens) -10D~ -32D (with - compensation lens)	<b>Audible Warning</b>	End of film, timer counter (ON/OFF selectable) Tonal volume adjustment function
<b>Dioptr Adjustment Range</b>	- 8D~+5D	<b>Film Speed</b>	35mm color film ISO100 Fluorescein: ISO400 (3 times sensitized) Polaroid film ISO600
<b>Working Distance Adjustment</b>	Luminescent point display (ON/OFF switch)	<b>Movement Range</b>	Forward/backward (gross) 90mm (micromotion) approx. 22mm Left/right (gross) 140mm (micromotion) approx. 22mm Up/down 30mm Tilt (-angle) 15° (+ angle) 8.5° Horizontal swing (left/right) 30°
<b>Viewing Illumination</b>	12V 50W halogen lamp	<b>Input/Power Consumption</b>	117VA / 60Hz
<b>Flash for Photography</b>	300WS xenon flash lamp	<b>Dimensions</b>	400(W) x 520(D) x 752(H)mm ※2
<b>Internal Fixation Lamp</b>	4 fixed dots right or left eye switching	<b>Weight</b>	39kg ※2 85lbs

※ 1 when using 35mm film GD

※ 2 with Polaroid camera back



※ Polaroid is a registered trade mark of Polaroid Corporation, USA

※ All specification and external design are subject to change without prior notice

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