

EVO CAM ICON – Simpler, more affordable EVO CAM

New, lower-cost EVO CAM set to deliver excellent sales growth in lower-price markets.

Vision Engineering is delighted to announce a new addition to the EVO CAM range – EVO CAM ICON.

The new EVO CAM ICON is configured as an affordable quality inspection tool with a simple, but comprehensive range of features aimed to make inspections faster, easier, and more consistent. EVO CAM ICON will expand the EVO CAM range by offering a new lower starting price to budget-conscious customers.

EVO CAM ICON comes with the same incredible image quality and flexibility of configuration that has made the EVO CAM range one of the best-selling digital microscopes.



Key Highlights:

- Incredible image quality with bespoke range of objective lenses delivering pin sharp images
- Range of on-board software features designed to increase productivity, efficiency and consistency of inspection
- Wide range of Vision Engineering lenses, accessories and stands for easy optimisation of configurations for a huge range of environments
- Plug and play compatibility with windows PCs provides easy sharing of live and saved images and easy interface with software.

Key Benefits:

EVO CAM ICON is the perfect addition to the EVO CAM range, providing a range of features and benefits targeted at making business work.

- **Great image quality:** See details clearer and sharper making inspections more accurate, more efficient, and reducing errors. High-quality camera and sensor and bespoke range of VE objective lenses combined with software features to deliver super image quality. Features include Illumination control, exposure control, noise reduction, and wide dynamic range.
- **Efficient workflow:** Presets, on-board measurement, auto-focus, auto exposure, and other features, allow companies to work efficiently changing multiple settings at the push of a button. Working efficiently means improved productivity.
- **Consistency:** Features, such as Presets and sharing of settings, allow companies to achieve consistency of inspection standards across multiple units and multiple sites
- **Versatility:** A large zoom range, a wide range of stands, objectives, accessories, and intuitive control, means EVO CAM ICON can be customized for each user's individual needs

Comparison EVO CAM II vs. EVO CAM ICON

	EVO CAM ICON	EVO CAM II
Objective lenses	X0.45, X0.62, X1.0, X1.5, X2.0, 4D, 5D	
Optical zoom	30:1	
Digital zoom	12:1	
Resolution	Full-HD 1080p, 1920 x 1080, 1/2.8" CMOS	
Focus	Auto focus and manual focus	
Programmable Presets	10	10
Illumination	Built-in ring-light. Options for transmitted, oblique, EPI and UV.	
Remote control option	Y	Y
On-board image capture and playback	Y	Y
PC connection	USB3	USB3
Polarization options	Y	Y
360° ODV viewer	N	Y
Focus stacking	N	Y
Single-point calibration and measurement	Y	Y
Multi-point calibration and measurement	N	Y
Overlays	N	Y
Set zoom limits	N	Y
Save metadata	N	Y
Supervisor mode	N	Y
Image comparison	N	Y

Features in Detail

30:1 Zoom range: 30:1 optical zoom ratio, coupled with Vision Engineering's excellent objectives, gives optical magnifications from 1.7X to 300X. Selection of objective and zoom position will allow magnification and working distance to be optimized.

Full-HD image resolution: Images displayed in Full-HD quality at 1080p. Images are sharp, with the resolution matched to Full-HD screen resolution **60 fps:** Frame refresh rate of 60 frames per second ensures images are seen without delay and free from image blur caused by subject movement.

Polarized ring-light: Polarized incident lighting can be coupled with a polarized filter on the objective lens, to reduce reflections from highly reflective samples. Greater detail can be seen for better inspection. Further enhancement can be achieved using the WD mode on EVO CAM ICON.

10 Preset settings: 10 Programmable 'Presets' allow saving and quick recall of settings for efficient use and consistency of inspections. Presets can also be exported and imported allowing customers to share settings between units and across sites. Presets record calibrations for easy measurements at different magnifications.

Dimensioning: EVO CAM ICON's large zoom range means measurement of different sized components can be made without the need for multiple systems. Presets can be saved with calibrations for different zoom positions making dimensioning measurements quick and easy. Measurement can be made between X and Y cursors or diagonal measurement between opposing corners.

Save/Export/Import settings: Preset settings can be exported and imported, allowing settings to be shared for increased consistency of operation. Individual Presets or entire camera settings can be exported and imported, allowing all 10 Presets, to be saved and replicated across multiple sites.

Stand-alone operation: EVO CAM ICON can be connected direct to a monitor and images saved onto a USB stick, removing cost and complications of supporting a dedicated PC. Most features of EVO CAM ICON can be accessed without need for a PC.

PC connection: EVO CAM ICON can connect direct to a PC via USB3 port. Live video images can be sent from the camera to a PC to be used with imaging and dimensioning software. Use like a webcam with windows apps or add functionality and control with Vision Engineering suite of software.

Optional Wi-Fi: EVO CAM ICON's Wi-Fi___33 image transfer dongle enables wireless connection to images taken on the camera. Images can then be viewed and downloaded to the connecting device, without need for added cabling.

Aperture priority mode: AP controls the depth of focus by adjusting EVO CAM ICON's iris aperture. The camera automatically adjusts other settings to maintain image brightness. Users can decide how much of the subject is in focus, without the complication of manual exposure.

Languages and help text: EVO CAM ICON menu also provides support text to aid the user's operation. This text is available in Chinese, English, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish.

Range of stands: EVO CAM ICON comes with the same dovetail mount as EVO CAM 2. Customers can select a stand that best suits their working environment and application. Dovetail adapter EVB091 extends the range of possibilities, allowing EVO CAM ICON to be fitted to any 100x100mm VESA mount.

Kit Contents

EVO CAM ICON comes with everything for the system to work out of the box.

- Power supply with plug cord
- HDMI cable
- USB 3 cable
- 2mm HEX key
- Lens cloth
- USB stick

The USB stick can be used to capture images and also contains the User Guide.