



**WILLRICH PRECISION
INSTRUMENT**
THINK MEASUREMENT... THINK WILLRICH
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**EVO CAM
AURA**

4K ULTRA HD DIGITAL MICROSCOPE

EVO Cam AURA combines 4K image quality with a full set of integrated tools for accurate, repeatable and efficient workflows.

Focus stacking, image comparison, customisable presets, annotations and measurement tools are all built in, keeping results consistent across operators, shifts and sites.

Three models are available to suit different working environments. Secure variants are also available for restricted areas where wireless connectivity or internal storage is not permitted.

Key features

1. **See details clearly:** Improve product quality and accurate reporting with high-quality, high-resolution images.
2. **Confidence in quality procedures:** Keep your results consistent, accurate and repeatable, and at every step of your quality procedure.
3. **Ease and efficiency of use:** Efficient, user-configurable set-ups and integrated productivity tools increase production yield.
4. **Fit the system to your environment:** Configure your system with a choice of control interfaces, lens options, lighting, stands and connectivity.

Proprietary Software

- Intuitive control
- Control from within the software
- Status bar visible across top of the interface
- Presets and Supervisor Mode for consistency
- Save and share.

Vision
ENGINEERING



Features

Focus	Auto, Manual, Selectable spot
Exposure	Auto, Shutter priority, Aperture priority, Manual, Selectable spot
Zoom	Zoom, Set zoom limits, Zoom to
Image control	Auto monitor size detection, Auto lens detection, Focus stacking, Contrast enhancement, Gamma control, Visibility enhancer, Infra-red, Black & white, White balance
Process control	10 Configurable presets, Supervisor mode, Customisable system name, Time stamp, Scale bar, Image info, PDF Viewer
Image comparison	Curtain, Pulse, 2nd Screen, Source image matching
Annotation	Text, Circle, Ellipse, Square, Rectangle, Line, Arrow, Auto label
Measurement	Digital caliper, Circle, Ellipse, Square, Rectangle, Line, Arrow, Multiple calibration points
Connectivity	Hotspot, WiFi, LAN*, USB3*, Network streaming, Cloud streaming. *- accessory required
File format	PNG, JPEG, PDF
Lighting control	Auto lighting detection, Level, Quadrant selection
Languages	English, Français, Deutsch, Español, Italiano, Português, 中文, 日本語, 한국어



FROM LIVE IMAGE TO DOCUMENTED
RESULT, EVERY STEP OF THE INSPECTION
PROCESS IS HANDLED IN ONE SYSTEM.

Camera Specifications

	4k Touch	4k Button	HD Button
Sensor type	CMOS		CMOS
Sensor size	1/2.5"		1/2.8"
Output resolution	4K (3840 x 2160)		FHD (1920 x 1080)
Frame Rate	30 fps		60 fps
Aspect Ratio	16:9		16:9
Optical Zoom	20x		30x
Digital Zoom	12x		12x

Physical Specifications

	4k Touch	4k Button	HD Button
Dimensions	12.5 x 17.3 x 14.5 cm		
Weight	1.41 Kg	1.45 Kg	1.34 Kg
HDMI Ports	2		
USB-A Ports	3		
USB-B Ports	1		
ULM Ports	2		
IP Rating	IP20		
Input Voltage	+24V		

Optical Specifications

4K Touch & 4K Button					
At Minimum Zoom			At Maximum Zoom		
Objective Lens	Magnification	Horizontal FOV	Magnification	Horizontal FOV	Working Distance
X0.45	2.16 x	272 mm	43.2 x	14 mm	161.8 mm
X0.62	2.97 x	195 mm	59.4 x	10.5 mm	108.3 mm
X1.0	4.8 x	95 mm	96 x	6.5 mm	80.6 mm
X1.5	7.2 x	47 mm	144 x	4.3 mm	42.5 mm
X2.0	9.6 x	39 mm	192 x	3.2 mm	29.4 mm

Optical Specifications

HD Button					
At Minimum Zoom			At Maximum Zoom		
Objective Lens	Magnification	Horizontal FOV	Magnification	Horizontal FOV	Working Distance
X0.45	2.5 x	232 mm	74.2 x	7.8 mm	161.8 mm
X0.62	3.4 x	167 mm	102.4 x	5.7 mm	108.3 mm
X1.0	5.5 x	86 mm	165.1 x	4.6 mm	80.6 mm
X1.5	8.3 x	44 mm	248 x	2.4 mm	42.5 mm
X2.0	11 x	36 mm	331 x	1.8 mm	29.4 mm

* Based on a 27"-inch monitor

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