



Vision System Cameras

IVS® machine vision cameras offer a new level of integrated inspection solution. These self-contained advanced camera heads provide industrial grade inspection capability. Available in a wide range of models to cover all vision application areas. Now you can run the same interface across your entire factory, from single vision inspection stations through to multi-head inspection machines offering complete scalability.

Powerful

State-of-the-art vision solutions
Quick and easy to set-up and deploy
Reliable part inspection, identification and control

Rugged

Protection class IP67 and rugged metal housings available
Designed for modern factory integration and control

Scalable

Uses standard IVS® vision software interfaces allowing all vision systems in your factory to have one standard.
Can be scaled to multi-camera solutions

Comprehensive Communication with Factory Information Systems

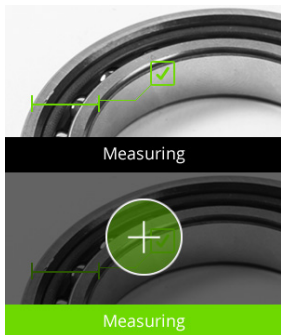
Our vision systems are designed to communicate with all PLCs, master controllers and proprietary factory controls out of the box allowing rapid integration and easy commissioning on the production floor.



IVS vision systems utilise state-of-the-art inspection algorithms combined with quick and easy set-up. Designed with maintenance and on-going service in mind, IVS cameras provide industrial strength automated inspection for all industries.

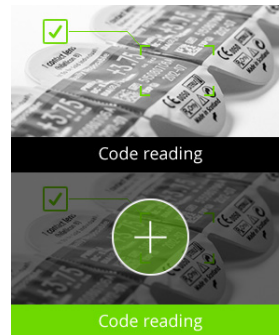


Comprehensive Inspection Tools



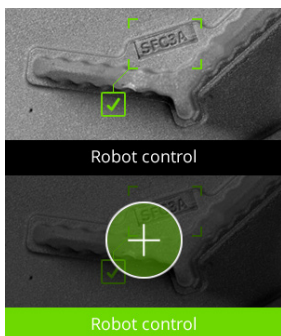
Measurement Tools

- Gauge and verify tolerances on sub-assemblies, parts and products.
- Check dimensional accuracy on components.



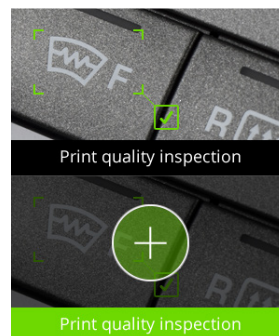
Code Reading Tools

- Read direct part marked 2D and 1D codes.
- Verify codes to industry standards.



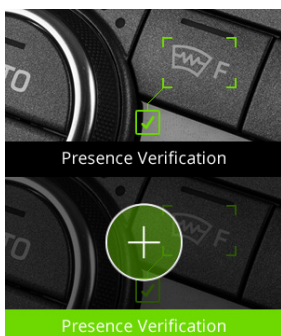
Robot Control Tools

- Locate parts and assemblies for inspection.
- Precisely identify part positions for robot and pick & place.



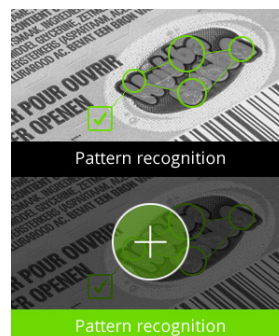
Print Quality Tools

- Confirm print quality and missing print.
- Find scratches, errors and poor printing effect.



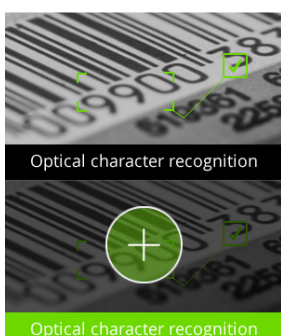
Presence Verification Tools

- Verify the correct assembly of parts.
- Confirm parts have been built to manifest.



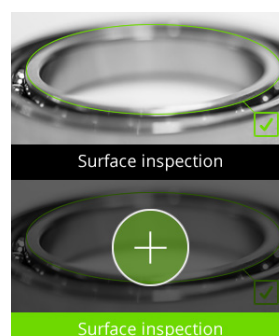
Pattern Recognition Tools

- Powerful location and pattern recognition.
- Contour based mapping to cope with changes in rotation, scale and light.



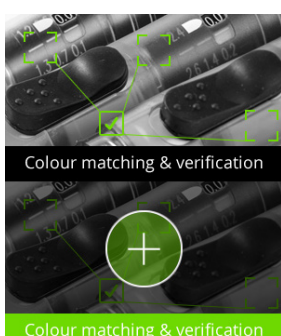
OCR/OCV Tools

- Read and verify date, lot and part codes.
- Verify character strings and text.



Surface Inspection Tools

- Identify scratches, marks and imperfections.
- Look for indents and inclusions on a variety of materials.



Colour Tools

- Identify, verify and inspect products based on colour.
- Check and match components based on RGB levels.



Pre-Processing Tools

- A complete array of comprehensive pre-processing and image filtering.
- Calibrate to real-world dimensions for high accuracy.

Specifications

IVS Camera Sensor Head	Connection	Resolution (H x V)	Sensor Size	Frame Rate	Mono/Colour
IVS-NCGi-1920-43M	GigE	1936 x 1216	1/1.2"	43	Mono
IVS-NCGi-1920-43C	GigE	1936 x 1216	1/1.2"	43	Colour
IVS-NCGi-1300-60M	GigE	1296 x 1000	1/3"	60	Mono
IVS-NCGi-1300-60C	GigE	1296 x 1000	1/3"	60	Colour
IVS-NCGi-1600-52M	GigE	1602 x 1202	1/3"	60	Mono
IVS-NCGi-1600-52C	GigE	1602 x 1202	1/3"	60	Colour
IVS-NCGi-2440-23M	GigE	2448 x 2048	2/3"	60	Mono
IVS-NCGi-2440-23C	GigE	2448 x 2048	2/3"	60	Colour
IVS-USB-1920-181M	USB	1920 x 1200	1/3"	181	Mono
IVS-USB-1920-181C	USB	1920 x 1200	1/3"	181	Colour

Machine Vision System

Our vision system is a modular vision solution allowing you to integrate automated inspection and control in all areas of your production process. From single camera 'smart' vision systems to multi-camera highly complex solutions, all based on the one modular system which is simple to deploy and designed for quick shop floor integration.

Inspection Machines

In addition to the vision sensors we offer a full range of complete inspection systems and machines for quality control. Use our expertise to help specify all aspects of our vision system requirements, our experts become an extension of your in-house engineering team allowing you to concentrate what you do best, manufacturing for your customer.

Use our solutions to help drive your quality, increase yield and enable automation.

Our systems are available in a wide range of form factors, resolutions and speeds allowing us to match the camera solution to your particular requirements. Full process integration with all major PLC manufacturers, robots and databases makes process control of the vision system straightforward and easy to integrate.

About Us

Industrial Vision Systems Ltd (IVS) is a major supplier of machine vision solutions whose name is synonymous with innovative image processing systems. Our machine vision systems are some of the most innovative and advanced on the market today. They are used all over the world in automated production processes for

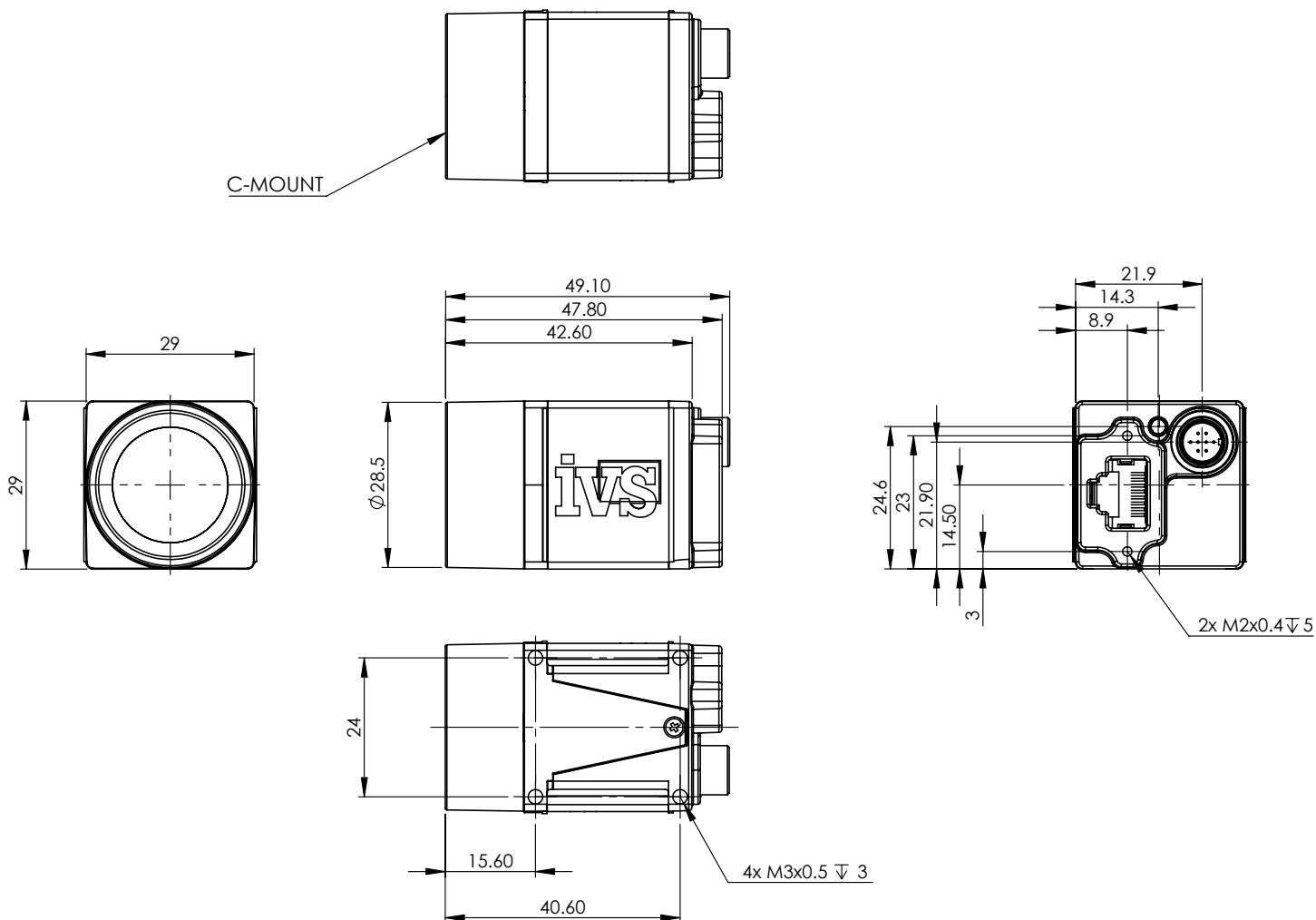
quality control, inspection, guidance, identification, measurement, tracking and counting - in many diverse industries.

Thanks to our unparalleled expertise and experience in vision technology for automated quality control, we hold an enviable position at the forefront of machine vision development.

Quality

All cameras are provided with full CE marking and an EC Declaration of Conformity to the latest European Directives and the relevant BS, EN, ISO and IEC Standards.

Dimensions



About IVS

Founded in 2000, IVS is now one of Europe's leading specialists in inspection machines and artificial intelligence vision products – supplying customers all around the world and building an unrivalled reputation for innovation, quality and precision in machine vision systems for inspection, guidance and identification.



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