

Example Applications

HV-F31 and HV-F22 are designed for a wide range of applications.

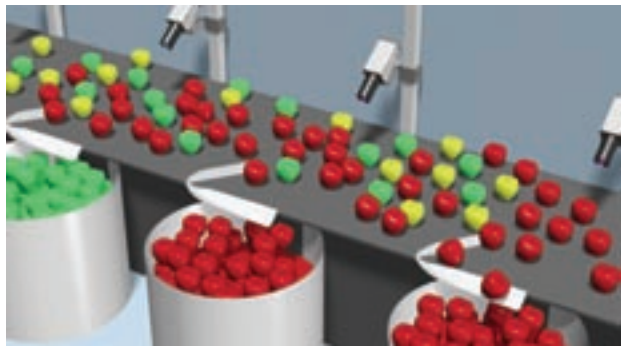
Printing Check

Detection of uneven printing



Fruit Check

Check on fruit damage and ripening



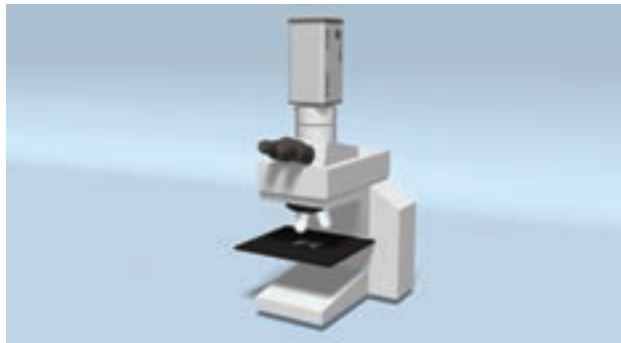
Car Body Coating

Check on uneven coating and scratches



Biological Microscope

Observation of cells



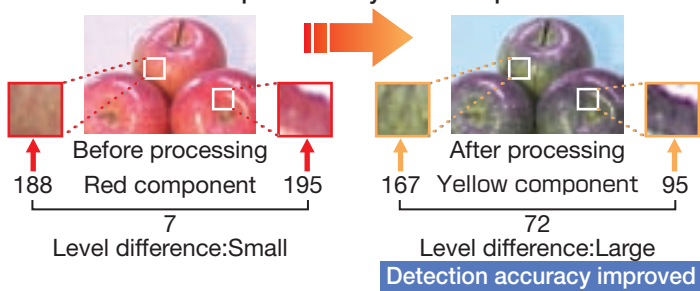
Merits of 3-CCD Camera

Color Detection (optimum for check on uneven printing and fruits)

Subtle color differences are detectable by processing (emphasis or subtraction) of a specific color using 6-color independent masking.

- Example of improved detection accuracy on apple ripening level

Comparison after subtraction of a red component and emphasis of a yellow component

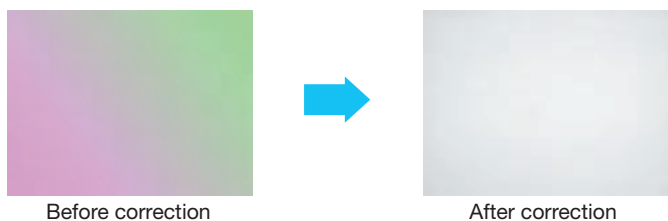


(Note) This camera is not used for output of the above numeral (resolution in 8bit). It is output of a processed image.

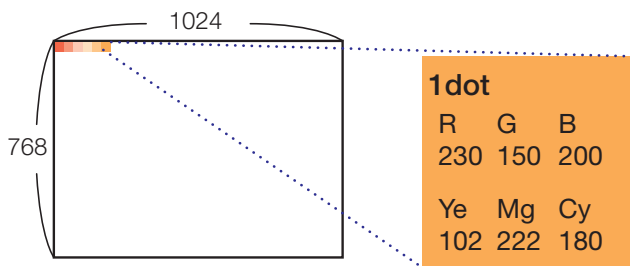
- Because arithmetic operation is performed inside the camera, it will not apply a load to the CPU of equipment, so high-speed image processing is ensured.

Auto Shading

Color shading (uneven color) due to lens and lighting can be automatically corrected.



6color Independent Masking



Each color of R,G,B,Ye,Mg and Cy can be represented and changed as an independent numeric value.

Colors are freely changeable and the following are available.

- Detection of a specific color
 - Natural color reproduction
 - Red alone changed

Color Resolution

