

# V-7000-S

## *The modular inspection system*



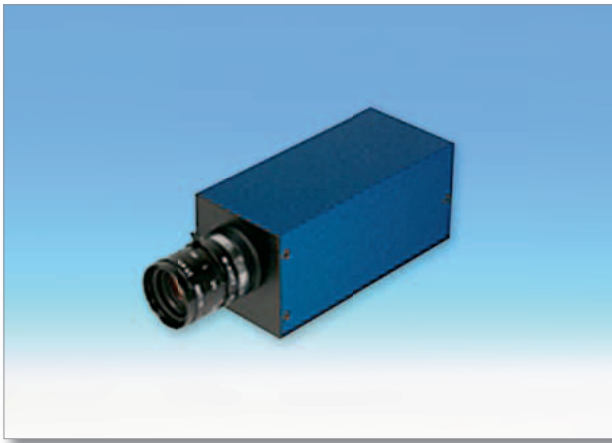
The system for quick visual inspection of parts. V-7000 is a macro-zoom lens (F2.5/18-108mm) allowing a magnification factors from 10x to 40x (on a 17" PC monitor). The 0.5x supplementary lens included with the set can be removed. Moreover the lens has a light shade. With the USB 2.0 colour camera with 1600 x 1200 Pixels and the high quality illumination, consisting of a ring light with angle of 15° and diameter of 60 mm, a diffuser (optional) and 150 Watt cold light source, this system supplies excellent images. The BE Metric software provided allows the images to be stored in a number of different formats. The cross hairs can be faded in with lines of

various colours, thicknesses and types. The settings for the USB camera are saved automatically when the program is closed. The system is delivered with or without ball mount table. The associated tripod has an amplitude of 500 mm. The prices for the standard configuration are listed below.



A CV-ST series stand is required for use of a cross slide table for part positioning. These are available either with or without bottom light and the cross slide tables are available accordingly with a closed support surface or glass insert plate. Special stands with larger cross slide tables with motion ranges of 300 x 300 mm are available on request.





Cameras are available as an alternative, which can then be connected to a PC monitor. The DVI camera with resolution of 1024 x 768 pixels offers the possibility of showing cross hairs in the centre or four movable cross hairs in various colours. A second version is a DVI camera with sensor resolution of 2048 x 1536 pixels and output format of 1024 x 758 pixels. The special feature of this camera is that DXF overlays can be stored in the camera so that a PC is not required to compare parts. In principle this corresponds to a profile projector without measuring table. In this case an additional grid is required for the lens. The prices for the two DVI cameras are given in the component price list.

The V-7000 lenses are available mounted on a 300, 400 or 500 mm long precision guide for installation on your own devices. Moreover all components are available individually. The component price list available as a download lists all items in stock. Please request stands and positioning tables separately.

**Note:** The standard version of this lens is not suitable for measuring work, because the positions are not absolutely reproducible. In this case an additional grid is required for the V-7000-OR lens. The additional cost for the grid system is 300.00 €. This grid system makes it possible to use the Metric Standard software, Metric Plus or Metric MT software. If the lens magnification factors are not sufficient, we recommend using the Series 6000 or 12000 grid zoom systems.



### ***Lens technical data:***

Type of lens:	Zoom
Application range:	Megapixel
Aspherical technology:	None
Focal length:	18 mm - 108 mm
Nominal format:	2/3"
Aperture range (F):	2.5-C, F2.5~C
Mount:	C
Aperture control:	Manual
MOD (Minimum Object Distance):	0.1 m
Filter thread:	M 52 x 0.75 mm
Horizontal image angle:	34° - 6°
Screw-in depth:	4.0 mm
Weight:	570 g
Zoom range:	6-fach
Focus range:	10 ~ 30 cm / 20 cm to infinity
Length:	172 mm
Diameter:	62 mm

