Multi Field of View
Automatic Video Measurement System

quantum
A new category of FOV measuring system from Ash Technologies. Quantum is a fully integrated – No PC required, easy to use, reliable and efficient 2D video measurement system. Advanced digital image processing technology and unprecedented Multiple FOV ranges reduces measurement time and eliminates operator variances.

Unique Technology

**RTLDC™ Real Time Lens Distortion Correction**

(Patent Applied For)

Distortion is inherent in all lenses. Rather than correct this through optics, Ash have developed a digital solution. Quantum uses advanced algorithms to correct lens distortion on the live image. This results in consistent measurements across the entire field of view.

**AshCal™ Auto Calibrates with every zoom change**

(Patent Applied For)

Each magnification level is factory calibrated which saves time re-calibrating after every zoom change.

**Automatic Alignment**

- Automatic identification of part position & re-orientation: No need for a jig to position parts. The position of a part is automatically identified and re-orientated to its programmed measurement position.

**Quick Measurements & Data Sharing**

- Save and recall measurement and settings files for routine inspections
- Simultaneous automatic measurements to speed up inspection time
- PASS/FAIL tolerance judgement display for rapid identification of failures
- NFS connectivity for automatic transfer of results to the network
Multi Field of View System

RTLDC™ means no lens change is required to achieve multiple fields of view. Quantum uses digital correction on the live image.

Field of View Chart L1 - L5

| L1  | 13mm | 88mm |
| L2  | 70 micron | 46mm |
| L3  | 15 micron | 10mm |
| L4  | 5 micron | 3.7mm |
| L5  | 2mm | 6mm | 26mm | 49mm | 75mm |

Field of View Chart L1 - L5

Technical Specifications

| Optics | +5 lens with 4 fixed position zooms |
| FOV | 134mm x 75mm @ L1 mag; 88mm x 49mm @ L2 mag; 46mm x 26mm @ L3 mag; 10mm x 6mm @ L4 mag; 3.7mm x 2mm @ L5 mag; |
| Illumination | Quadrant controllable LED ring light; Sub-stage transmitted LED illumination |
| Power | 24 W |
| Dimensions | 216(H) x 165(W) x 170(D) mm |
| Weight | 1.75 kg |
| Temperature | Storage: -10°C to +60°C Operating: +5°C to +40°C |

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All systems are now multilingual.
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