

Dec. 1, 2009

To all concerned parties:

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(Index Classification Code No.: Tokyo Stock Exchange First Section 7714)

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Moritex to Release ML-L00502 Lens for Line Scan Cameras
Supports $\phi 62$ mm Image Format (maximum applicable CCD size)

Moritex Corporation (Tokyo: 7714, based in Shibuya Ward, Tokyo. Shuitsu Nishina, president and C.E.O.), a machine vision and digital imaging component & system manufacturer, has recently added the ML-L00502 to the lineup of its ML-L Series of lenses for Line Scan Cameras.

The ML-L Series lenses have the necessary features required for specialized line scan camera machine vision applications since they are designed for image processing when high resolution and low distortion are required for superior FOV (Field Of View) uniformity.

The ML-L00502 is an addition to the ML-L series lineup with specification such as an optical magnification of 0.05x – 0.2x, WD of 420-1,590mm, and image format compatibility of $\phi 62$ (maximum applicable CCD size).

Moritex exhibited the ML-L00502 lens for line scan cameras at the '09 International Technical Exhibition on Image Technology and Equipment held at the Pacifico Yokohama from December 2 to 4, and will begin selling it in February 2010.

Moritex operates in fields associated with image processing, such as semiconductor manufacturing equipment, LCD manufacturing equipment, electronic component mounting machinery, factory line supervision and production lines providing such optical components as lighting equipment, optic fiber highlight guides, machine micro lenses (MML), CCTV lenses, LED lighting and CCD cameras, as well as selling machine vision systems that are used widely within various industries.

Moritex developed the ML-L00502 targeting applications where line scan cameras are used in the production or inspection of such items as LCD, mounting boards, and web materials. It has variable magnification from 0.05 x to 0.2 x and wide-ranging recognition WD of 1,590 mm at 0.05 x to 420 mm at 0.2 x. Furthermore, the most outstanding feature is that while having an image format compatibility that enables it to support $\phi 62$ sensors, it has a relative illumination variation rate of over 80% between the center and periphery of the FOV and optical distortion of less than 0.1% giving it an FA lens-exclusive design suitable for image processing.

Used in combination with a Moritex lighting solution such as LED or optic fiber lighting, this highly functional lens presents users with optimal image processing capabilities that they desire. users with optimal image processing abilities that they are seeking.

As a leading company in the machine vision systems incorporating lenses, lighting and cameras, Moritex offers total solutions for the image processing environments users seek to meet the varying needs of the image processing market.

■ Characteristics of the ML-L00502 Lens for Line Scan Cameras

Application: Exterior visual inspections

Features: Magnification from 0.05 x to 0.2 x, WD=1,590 – 420 mm

- Image format of ϕ 62 mm
- F2.9 (Infinite conversion)
- Relative Illumination Rate of at least 80%
- Distortion –free (<0.1%)
- Adjustable diaphragm

■ ML-L00502 Lens for Line Scan Cameras



■ Direct inquires about this product to:

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