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FEATURED VIDEO

Hubner GmbH - C-Wave & T-Cognition Rein Hubner, President of Hubner GmbH & Co. KG

introduced Karsten Buse of Fraunhofer IPM who developed in collaboration the T-COGNITION, a stand-alone terahertz spectrometer that automatically detects and identifies hazardous substances in mail. Karsten described the product and its advantages. Hubner won the Prism Award

for the Defense & Security Category and also won

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Thursday, July 3, 2014

Noninvasive Brain Control Possible with New Light-Sensitive Protein



A new molecule, along with optogenetics, has put brain control in the hands of scientists. Researchers from MIT developed the new protein opsin, which is sensitive to red light and enables neurons to be manipulated noninvasively, as the controlling light source is outside the body.

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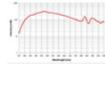
An imaging approach involving metamaterials could make the terahertz regime more accessible.

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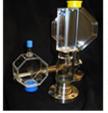
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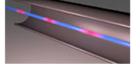


N-FK58 XLD Optical Glass SCHOTT North America,

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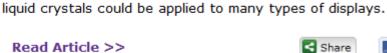
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The Benefits of Modern CMOS Sensors in Industrial Line Scan Cameras

Basler AG

As sensor technology has improved in leaps and bounds, the old rule of thumb familiar to many line scan camera users has lost much of its punch. The idea that CCD = high image quality while CMOS = speed is only true anymore under very limited circumstances, since the preconception inaccurately reflects the current performance levels offered by modern CMOS sensors for industrial camera use. This white paper provides an overview of the latest developments in CMOS sensor technology and is intended to highlight the importance of these improvements when considering the use of CMOS sensors in line scan camera applications.

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