Evaluation of the 111-megapixel high speed high resolution CCD
Computation of dark frames in digital imagers
A novel pixel structure for 2 urn square pixel IT-CCD
Simulation for estimating smear noise and sensitivity of CCD image sensors having square pixels cells less than 2.0 [mu]m
Development of fully depleted scientific CCDs for astronomy
Orthogonal transfer arrays for the Pan-STARRS gigapixel camera
Improvement in photoelectric conversion efficiency of red light in HARP film
Bifocal liquid lens zoom objective for mobile phone applications
The intermediate size direct detection detector for electron microscopy
A novel image acquisition system using the optical-multiplex system
Position detection with hyperacuity using artificial compound eyes
High-dynamic-range video for photometric measurement of illumination
Thermal-imaging-based procedures for special concretes characterization
Shared transistor architecture with diagonally connected pixels for a CMOS image sensor
Image sensor for object detection using modulated light
Linear-logarithmic image sensor with low noise and no flickers
Distance detective small camera module
A digital high-dynamic-range CMOS image sensor with multi-integration and pixel readout request
Demonstration of a low-voltage three-transistor-per-pixel CMOS imager based on a pulse-width-modulation readout scheme employed with a one-transistor in-pixel comparator
A 960-fps sub-sampling object extraction CMOS image sensor with 12-bit column parallel ADCs and ALUs
A temperature resistant wide dynamic range CMOS image sensor
Characterization and system modeling of a 5-Mpixel CMOS array
Low cost optical polarization sensor
A diffractive multispectral image sensor with on- and off-die signal processing and on-die optics in 0.18-micron CMOS
Diffraction grating lens array
Critical assessment of the integrity of thin organic films by shearography
Development of a wavelength-changeable multiband color-mixing imaging device and its application
Qualitative measurement of average index profile of symmetrical microstructured optical fiber from microscopic imaging
A practicable method for color classification using low-cost remission/reflection sensors
A CMOS vision chip for a contrast-enhanced image using a logarithmic APS and a switch-selective resistive network
Highly sensitive and area-efficient CMOS image sensor using a PMOSFET-type photodetector with a built-in transfer gate
Microscopic x-ray imaging system for biomedical applications using synchrotron radiation
Sensor for moving foreground detection : an address-event-based embedded system