



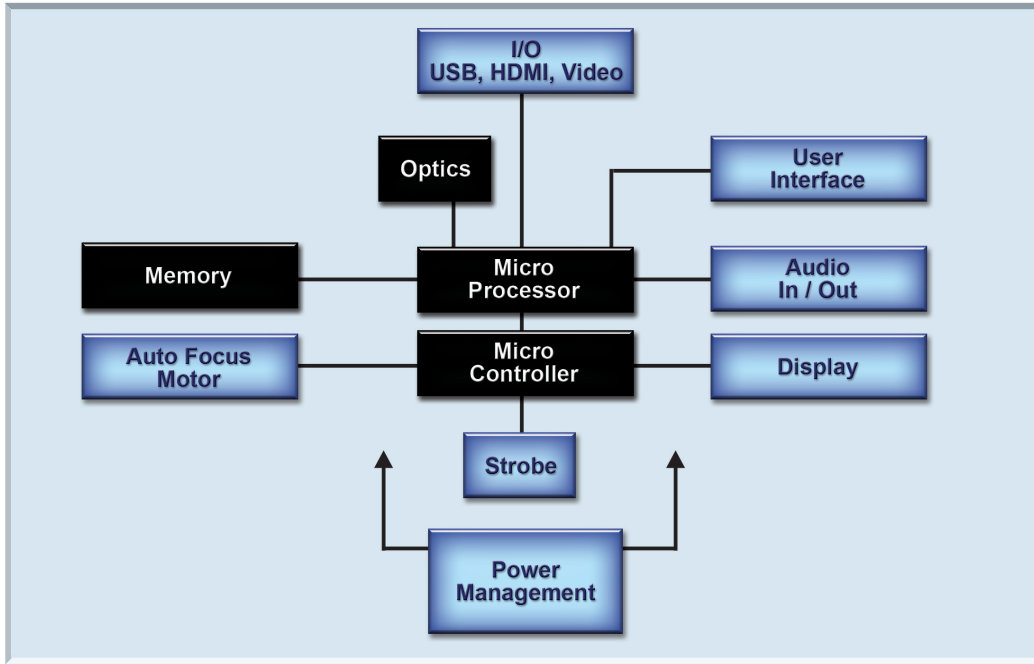
## Digital Camera



With each new generation of digital cameras, consumers expect to capture higher resolution images, store more video, offer more features and, subsequently, transfer increasing amounts of information at faster data rates. The convergence of these demands requires semiconductors to be increasingly energy efficient, smaller in size, impervious to ESD transients and lower in parasitic value, thus facilitating faster data rates. Central Semiconductor manufactures discrete semiconductors that satisfy the rigorous design demands of these products. Central's devices are used in all major building blocks of digital camera design.

**For more information visit: [www.centrasemi.com/product/digitalcamera](http://www.centrasemi.com/product/digitalcamera)**

### Digital Camera Topology



#### I/O USB, HDMI, Video

##### • ESD Transient Voltage Suppressors

- CMATVS5V0: 80W, 5.0V ESD TVS (SOD-923)
- CMO5V0LC: 12W, 5.0V Low Cap TVS (SOD-523)
- CFTVS5V0LC: 12W, 5.0V Low Cap TVS (SOD-882L)
- CTLTVS12: 35W, 9.0V Low Cap TVS (TLM2D3D6)

##### • TVS/Zener Array

- CMKTVS5-4: 5.0V 4-line, Low Cap ESD TVS Array (SOT-363)

For more information visit: [www.centrasemi.com/apps/iuhv10](http://www.centrasemi.com/apps/iuhv10)

#### Auto Focus Motor

##### • MOSFETs

- CMUDM7005: 650mA, 20V N-Channel (SOT-523)
- CMUDM8005: 650mA, 20V P-Channel (SOT-523)

##### • Multi Discrete Modules

- CMLM0574: 450mA, 30V N-Channel MOSFET and 0.5A, 40V Schottky Diode (SOT-563)
- CMLM0584: 450mA, 30V P-Channel MOSFET and 0.5A, 40V Schottky Diode (SOT-563)

For more information visit: [www.centrasemi.com/apps/afm10](http://www.centrasemi.com/apps/afm10)

#### User Interface

##### • ESD Transient Voltage Suppressors

- CMATVS5V0: 80W, 5.0V ESD TVS (SOD-923)
- CMOTVS5V7: 66W, 5.7V ESD TVS (SOD-523)
- CMO5V0LC: 12W, 5.0V Low Cap TVS (SOD-523)
- CFTVS5V0LC: 12W, 5.0V Low Cap TVS (SOD-882L)
- CTLTVS12: 35W, 9.0V Low Cap TVS (TLM2D3D6)

##### • TVS/Zener Array

- CMKTVS5-4: 5.0V 4-line, Low Cap ESD TVS Array (SOT-363)
- CMNTVS5V0: 5.0V 4-line, Low Cap ESD TVS Array (SOT-953)

For more information visit: [www.centrasemi.com/apps/ui10](http://www.centrasemi.com/apps/ui10)

weblink scan

Use QR reader for direct link to application web page.





Consumer

## Audio In/Out

### • Small Signal Transistors

- CMUT3904: 40V, 200mA NPN (SOT-523)
- CMUT3906: 40V, 200mA PNP (SOT-523)
- CMUT5088E: 50V, 100mA PNP Low Noise (SOT-523)
- CMUT5087E: 50V, 100mA NPN Low Noise (SOT-523)
- CMUT3410: 25V, 1.0A NPN Low  $V_{CE(SAT)}$  (SOT-523)
- CMPT3906E: 40V, 200mA PNP Low Low  $V_{CE(SAT)}$  (SOT-23)

### • Schottky Diodes

- CFSSH1-30: 100mA, 30V (SOD-882L)
- CMLSH-4: 200mA, 40V, Dual (SOT-563)
- CMOSH-4E: 200mA, 40V (SOD-523)
- CTLSH01-30L: 100mA, 30V Low  $V_F$  (TLM2D3D6)

### • High Speed Switching Diodes

- CMLD4448: 120V, 250mA, Dual Isolated (SOT-563)

For more information visit: [www.centrasemi.com/apps/aio10](http://www.centrasemi.com/apps/aio10)

## Display

### • Schottky Diodes

- CMOSH-3: 100mA, 30V (SOD-523)
- CMLSH-4: 200mA, 40V Dual (SOT-563)
- CTLSH01-30L: 100mA, 30V (TLM2D3D6)

### • High Speed Switching Diodes

- CMDD2004: 240V, 200mA (SOD-323)
- CMKD4448: 100V, 250mA, Triple Isolated (SOT-323)
- CMLD4448: 120V, 250mA Dual Isolated (SOT-563)

### • MOSFETs

- CEDM7001: 100mA, 20V N-Channel (SOT-883L)
- CEDM8001: 100mA, 20V P-Channel (SOT-883L)
- CMUDM7001: 100mA, 20V N-Channel (SOT-523)
- CMUDM8001: 100mA, 20V P-Channel (SOT-523)

For more information visit: [www.centrasemi.com/apps/d10](http://www.centrasemi.com/apps/d10)

## Strobe

### • Schottky Diodes

- CMOSH-3: 100mA, 30V (SOD-523)
- CMASH-4: 200mA, 40V (SOD-923)

### • Ultra Fast Rectifier

- CMR1U-13M: 1.0A, 1300V (SMA)

For more information visit: [www.centrasemi.com/apps/s10](http://www.centrasemi.com/apps/s10)

## Power Management

### • MOSFETs

- CMUDM7005: 650mA, 20V N-Channel (SOT-523)
- CMUDM8005: 650mA, 20V P-Channel (SOT-523)
- CMPDM203NH: 3.2A, 20V N-Channel (SOT-23F)
- CMPDM202PH: 2.3A, 20V P-Channel (SOT-23F)
- CMLDM7585: 650mA, 20V Dual N-Ch/P-Ch (SOT-563)

### • Schottky Diodes

- CFSSH2-3L: 200mA, Low  $V_F$  (SOD-882L)
- CMLSH05-4: 0.5A, 40V Low  $V_F$  (SOT-563)
- CMLSH1-40: 1.0A, 40V (SOT-563)
- CMMSH1-40: 1.0A, 40V (SOD-123F)

### • Small Signal Transistors

- CTLT7410-M621: 1.0A, 40V PNP Low  $V_{CE(SAT)}$  (TLM621)
- CMUT2222A: 40V, 600mA NPN (SOT-523)
- CMUT3410: 25V, 1.0A NPN Low  $V_{CE(SAT)}$  (SOT-523)
- CMUT7410: 25V, 1.0A PNP Low  $V_{CE(SAT)}$  (SOT-523)
- CMUT4401: 40V, 600mA NPN (SOT-523)

### • Multi Discrete Modules

- CMLM0574: 450mA, 30V N-Channel MOSFET and 0.5A, 40V Schottky Diode (SOT-563)
- CMLM0584: 450mA, 30V P-Channel MOSFET and 0.5A, 40V Schottky Diode (SOT-563)
- CMLM0705: 600mA, 60V PNP Transistor and 0.5A, 40V Schottky Diode (SOT-563)
- CMLM2205: 600mA, 45V NPN Transistor and 0.5A, 40V Schottky Diode (SOT-563)

### • Zener Diodes

- CMOZ3L3: 3.3V, 250mW (SOD-523)
- CMOZ5L1: 5.1V, 250mW (SOD-523)

### • Uni-polar Transient Voltage Suppressors

- CMF5.0A: 5.0V, 200W (SOD-123F)
- CMF12A: 12V, 200W (SOD-123F)

For more information visit: [www.centrasemi.com/apps/pm10](http://www.centrasemi.com/apps/pm10)



**Innovative Discrete Semiconductors**

For further information contact:  
Sales at Central Semiconductor Corp.  
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[www.centrasemi.com](http://www.centrasemi.com)