

MINI-PIXIE compact digital camera

- **Ultra compact size**
- **1.3 / 2 / 3 MegaPixel resolution**
- **Up to 30 fps**
- **60dB dynamic range**
- **USB2.0 data interface**
- **Low power consumption**
- **Excellent price / value ratio**



Similar to the highly successful AOS high speed cameras, these compact digital cameras are extremely robust and reliable.

Key features

- *Ultra compact size*
- *1.3 / 2 / 3 MegaPixel resolution*
- *CMOS image sensor*
- *Low power consumption*
- *Standard USB2.0 data interface*
- *Sophisticated Software Development Kit (SDK)*

Applications

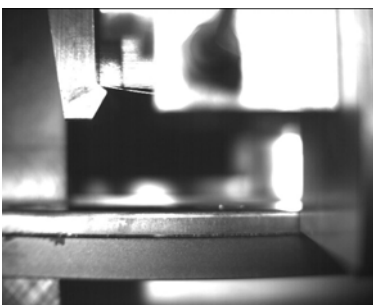
- *Quality inspection*
- *Line inspection*
- *Surface inspection*
- *Research applications*
- *Semiconductor manufacturing*
- *Credit card manufacturing*

Advantages

- *Excellent price / value ratio*
- *Finally a real alternative to existing cameras*
- *Precise motion analysis due to superior image quality*
- *Free SDK support*

Accessories and Services

- *Strobo lights (red, white, amber, IR)*
- *Optical systems and lenses*
- *Camera mounts*
- *Application Software Development*
- *Turnkey system design / integration*



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Specifications:

	Mini-Pixie 1 MPX1300UC / MPX1300UM	Mini-Pixie 2 MPX2000UC	Mini-Pixie 3 MPX3000UC
Resolution	1280x1024	1600x1200	2048x1536
Pixel size	5.2umx5.2um	4.2umx4.2um	3.2umx3.2um
Sensor type	Progress scan CMOS	Progress scan CMOS	Progress scan CMOS
Sensor size	1/1.8"	1/1.8"	1/1.8"
Frame rate	15 fps@1280x1024 (30 fps@640x480)	10 fps@1600x1200 (15 fps@1280x1024) (30 fps@640x480)	6 fps@2048x1536 (10 fps@1600x1200) (15 fps@1280x1024) (30 fps@640x480)
S/N	>45dB	>42dB	>42dB
Dynamic range	60dB	60dB	60dB
Sensitivity	1.6V@550nm/lux/S	1.2V@550nm/lux/S	1.0V@550nm/lux/S
Exposure mode	ERS	ERS	ERS+Snapshot
Synchronization	free run	free run	free run
Output	USB 2.0	USB 2.0	USB 2.0
Max. cable length	4.5m (72m with repeaters)	4.5m (72m with repeaters)	4.5m (72m with repeaters)
Program control	Image size / Brightness Gain/Frame rate Exposure time	Image size / Brightness Gain/Frame rate Exposure time	Image size / Brightness Gain/Frame rate Exposure time
Lens adapter	CS-mount and C-mount	CS-mount and C-mount	CS-mount and C-mount
Power requirement	5VDC	5VDC	5VDC
Dimension	28 x 28 x 16mm	28 x 28 x 16mm	28 x 28 x 16mm

Type code:

MPXnnnn U C	Color sensor
MPXnnnn U M	Monochrome sensor

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