



ATIK IMAGING CAMERA SYSTEMS:

ATK-1C

Low cost, 24 bit color, one shot air cooled astronomical CCD camera, with 640 by 480 array and 5.6 micron pixel size. This camera is able to capture faint objects with a short to medium focal length telescopes, making it a superb instrument to capture galaxies, nebulae, and other deep sky treasures.

The ATK-1C II model includes an amplifier control system, to reduce the glow on the left side of the image.

This camera includes an air cooling system, in witch air is forced to circulate, using a fan, to substantially reduce thermal noise in the image. By using this system, longer exposures are possible, with better s/n ratio.

Also, it features a sleek design, with embedded fan (lower risk of damaging it), and a single, 4 meter (13 feet) cable, allowing you to image at a comfortable distance from the telescope.

Another nice feature, is the embedded T-thread, witch can take any "T" accessory that you might have. Of course, a 1.25" adapter is included.

Also included, is the full version K3 CCD Tools software, as well as a quick start guide, so that you can start capturing your images right away.

System requirements: Pentium II class PC, with Windows 98 or later (XP compatible!), 64MB RAM, 100MB free hard disk space, CD-ROM drive, USB **and** LPT (Printer) ports.

ATK-1C - Technical Information

Sensor Type	CCD - Sony ICX-098BQ (datasheet)
Horizontal Resolution	640 pixels
Vertical Resolution	480 pixels
Pixel Size	5.6 uM x 5.6 uM
Interface	USB and IEEE 1294 (PC Printer Port) - Printer Port needed to long exposure control
Maximum Frame Rate	60fps @ 320x240 (fast mode only)
Power	Derived from USB. No extra power needed
Maximum Exposure Length	Unlimited
Minimum Exposure Length	1/10000 s in fast mode, 0.5s in slow mode
Exposure Range (fast mode)	1/10000 - 1/25
Cooling	Forced air
Dimensions	50x68 mm (excluding 1.25" adapter)
Weight	430 gr (including cable)



ATK-1HS II

High Sensitivity monochrome air cooled CCD camera, with 640 by 480 array and 5.6 micron pixel size. It's superior quantum efficiency makes it possible to image fainter deep sky objects.

This new version, has an effective amplifier control system, which reduces drastically the glow on the top left side of the image. It also features raw mode images, for much less visible noise, and purer image.

The camera is so sensitive, that RGB filters can be used, to create colour composites of faint objects. LRGB imaging for all! But deep sky imaging isn't the only area where this camera excels. Planetary imagers will find it extremely useful too! Besides luminance shots, the extra sensitivity of the camera permits the use of band filters, like IR pass-through and others.

This camera includes an air cooling system, in which air is forced to circulate, using a fan, to substantially reduce thermal noise in the image. By using this system, longer exposures are possible, with better s/n ratio.

Also, it features a sleek design, with embedded fan (lower risk of damaging it), and a single, 4 meter (13 feet) cable, allowing you to image at a comfortable distance from the telescope. Another nice feature, is the embedded T-thread, which can take any "T" accessory that you might have. Of course, a 1.25" adapter is included.

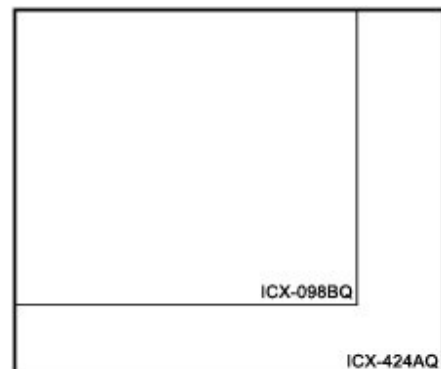
Also included, is the full version K3 CCD Tools software, as well as a quick start guide, so that you can start capturing your images right away.

System requirements: Pentium II class PC, with Windows 98 or later (XP compatible!), 64MB RAM, 100MB free hard disk space, CD-ROM drive, USB **and** LPT (Printer) ports.

Sensor Type	CCD - Sony ICX-098BL (datasheet)
Horizontal Resolution	640 pixels
Vertical Resolution	480 pixels
Pixel Size	5.6 μM x 5.6 μM
Interface	USB and IEEE 1294 (PC Printer Port) - Printer Port needed to long exposure control

Maximum Frame Rate	60fps @ 320x240 (fast mode only)
Power	Derived from USB. No extra power needed
Maximum Exposure Length	Unlimited
Minimum Exposure Length	1/10000 s in fast mode, 0.5s in slow mode
Exposure Range (fast mode)	1/10000 - 1/25
Cooling	Forced air
Dimensions	50x68 mm (excluding 1.25" adapter)
Weight	430 gr (including cable)

ATK-2C



Low cost, high performance, one shot, 24 bit colour, air cooled astronomical CCD camera, with 640x480 array and 7.4 micron pixel size. The extra sensitivity of the Sony ICX-424AQ CCD, allows to image fainter objects, with better detail and resolution. Because of the larger area of the CCD (55% more), extended sky coverage is possible, reducing the need for mosaics on larger deep-sky objects.

Amplificator control is also included, drastically reducing the glow on the left side of the image. This camera includes an air cooling system, in witch air is forced to circulate, using a fan, to substantially reduce thermal noise in the image. By using this system, longer exposures are possible, with better s/n ratio.

Also, it features a sleek design, with embedded fan (lower risk of damaging it), and a single, 4 meter (13 feet) cable, allowing you to image at a comfortable distance from the telescope. Another nice feature, is the embedded T-thread, witch can take any "T" accessory that you might have. Of course, a 1.25" adapter is included.

Also, it features a sleek design, with embedded fan (lower risk of damaging it), and a single, 4 meter (13 feet) cable, allowing you to image at a comfortable distance from the telescope. Another nice feature, is the embedded T-thread, witch can take any "T" accessory that you might have. Of course, a 1.25" adapter is included. Also included, is the full version K3 CCD Tools software, as well as a quick start guide, so that you can start capturing your images right away.

System requirements: Pentium II class PC, with Windows 98 or later (XP compatible!), 64MB RAM, 100MB free hard disk space, CD-ROM drive, USB and **LPT** (Printer) ports.

ATK-2C - Technical Information

Sensor Type	CCD - Sony ICX-424AQ (datasheet)
Horizontal Resolution	640 pixels
Vertical Resolution	480 pixels
Pixel Size	7.4 μM x 7.4 μM
Interface	USB and IEEE 1294 (PC Printer Port) - Printer Port needed to long exposure control
Maximum Frame Rate	10fps @ 640x480 (fast mode only)
Power	Derived from USB. No extra power needed
Maximum Exposure Length	Unlimited
Minimum Exposure Length	1/10000 s in fast mode, 0.5s in slow mode
Exposure Range (fast mode)	1/10000 - 1/25
Cooling	Forced air
Dimensions	50x68 mm (excluding 1.25" adapter)
Weight	430 gr (including cable)



ATK-2HS

High Sensitivity monochrome air cooled CCD camera, with 640 by 480 array and 7.4 micron pixel size. It's larger sensor area captures 55% more sky, making it possible to image larger objects. Low cost, high performance, monochrome air cooled astronomical CCD camera, with 640x480 array and 7.4 micron pixel size. The extra sensitivity of the Sony ICX-424AL CCD, allows to image fainter objects, with much better detail and resolution. Because of the larger area of the CCD (55% more), extended sky coverage is possible, reducing the need for mosaics on larger deep-sky objects.

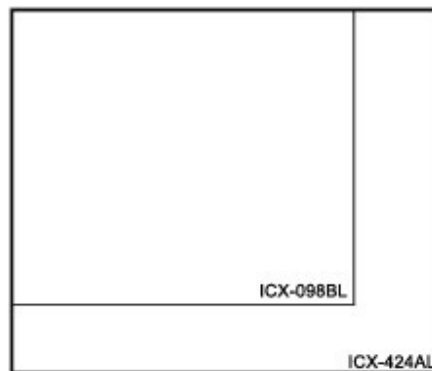
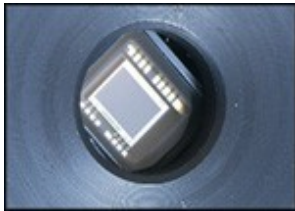
The camera is so sensitive, that RGB filters can be used, to create colour composites of faint objects. LRGB imaging for all!

This camera includes an air cooling system, in which air is forced to circulate, using a fan, to substantially reduce thermal noise in the image. By using this system, longer exposures are possible, with better s/n ratio. An optimized internal amp control is also available, opening the

path to very long exposures (over 5 minutes).

Also, it features a sleek design, with embedded fan (lower risk of damaging it), and a single, 4 meter (13 feet) cable, allowing you to image at a comfortable distance from the telescope. Another nice feature, is the embedded T-thread, witch can take any "T" accessory that you might have. Of course, a 1.25" adapter is included. Also included, is the full version K3 CCD Tools software, as well as a quick start guide, so that you can start capturing your images right away.

System requirements: Pentium II class PC, with Windows 98 or later (XP compatible!), 64MB RAM, 100MB free hard disk space, CD-ROM drive, USB and **LPT** (Printer) ports.



ATK-2HS - Technical Information

Sensor Type	CCD - Sony ICX-424AL (datasheet)
Horizontal Resolution	640 pixels
Vertical Resolution	480 pixels
Pixel Size	7.4 uM x 7.4 uM
Interface	USB and IEEE 1294 (PC Printer Port) - Printer Port needed to long exposure control
Maximum Frame Rate	10fps @ 640x480 (fast mode only)
Power	Derived from USB. No extra power needed
Maximum Exposure Length	Unlimited
Minimum Exposure Length	1/10000 s in fast mode, 0.5s in slow mode
Exposure Range (fast mode)	1/10000 - 1/25
Cooling	Forced air
Dimensions	50x68 mm (excluding 1.25" adapter)
Weight	430 gr (including cable)