

leaf

# Leaf Aptus Series Digital Camera Backs



# Leaf Aptus Series

## The leader in speed and image quality

Leaf is about technology that makes no compromises, and image quality that has no limits. The Leaf Aptus family offers professional photographers a range of digital camera backs that set you apart from the competition.

### Highest Speed

The Leaf Aptus Series of digital camera backs offers capture speeds as fast as 0.87 seconds per frame, or 70 frames per minute, giving you the freedom and flexibility to realize your vision.

- Fastest image transfer speed, by using the latest FireWire 800 technologies (only supported in Aptus S-Series)
- Fastest Read/Write speeds using SanDisk's newest CompactFlash (CF) card

### Uncompromised Image Quality

The Leaf Aptus family delivers stunning, film-like quality that is superior to any capture device available in the industry, regardless of resolution.

- Unique color filters ensure consistent and accurate color reproduction
- Large sensor, an impressive 7.2 micron pixel-size, that provides unmatched detail richness and color, low noise, and striking highlights and shadows - for the broadest dynamic range
- Broad ISO: from 25 to 800 (depending on back model)

### Complete Control: Functionality and Portability

Leaf's design incorporates a variety of unique features, for maximizing your style of work. The Leaf Aptus features a huge 6 x 7 cm touch screen and is the perfect workspace and light table, enabling a wide range of functions, directly on the camera back, including:

- Edit and adjust the actual RAW image, even on the back's screen
- Pre-defined and custom settings display excellent image quality immediately
- Portable file management: easily create and name files and directories for file storage
- Range of pre-shoot setup options: create image settings, as well as file and folder names
- Conveniently annotate individual files with custom text, even in portable mode, using an on-screen keyboard
- Handy editing tools: flag, move, and sort your images
- Quick access to gray balance, spot meter, and 1:1 zoom on screen
- User button: takes you instantly to the functions you use most, such as histogram and image flagging (simple to personalize)

### Enhanced Productivity: Faster Shoot-to-delivery

With the Leaf Aptus, you can adjust and control your image as you shoot with the intuitive display, allowing you to manipulate your RAW images in a range of thumbnail sizes.

- The image is automatically oriented according to the camera's rotation
- Use the handy loupe tool for immediate access to focus control during the shoot

- Enjoy wireless connectivity via Bluetooth, or view the images on a portable HP iPAQ
- Use the lossless 16-bit file compression to speed up file handling without loss of image quality

### Flexibility: Shoot Your Best in Any Situation

The Leaf Aptus offers you a range of options that enable you to shoot anywhere.

- Maximum portability with a range of storage options: CF card, Leaf Digital Magazine, FireWire disk, computer hard disk
- Compatible with medium- and large-format cameras: use wide-angle lenses and shift & tilt movements
- Compatible with Adobe Photoshop and other leading software applications for processing Leaf uncompressed RAW files

### Excellent Support

At Leaf, we understand how much you count on immediate, timely service and support. That is why we've implemented a worldwide network of partners, with dedicated support teams only a phone call away.

### Long Term Investment

Your Leaf back has the highest resale value on the market, even after many years of use. And to ensure that you can always be using the best, Leaf offers an industry-leading upgrade policy.



Performance	75S	65S	54S	75	65	22	17
<b>Capture Rate</b>							
Sec/frame	1.2	1	0.87	1.7	1.5	1.2	1.2
Frames/min	50	60	70	35	40	50	50
Frames/burst	Unlimited	Unlimited	Unlimited	5	6	-	-
<b>CCD Size</b>							
Pixels	6726x5040	6144x4622	5356x4056	6726x5040	6144x4622	5356x4056	4716x3576
mm	48x36	44x33	48x36	48x36	44x33	48x36	43.2x31.7
<b>File Size</b>							
TIFF-16 bit	190 MB	159 MB	128 MB	190 MB	159 MB	128 MB	99 MB
MOS	63 MB	53 MB	42 MB	63 MB	53 MB	42 MB	33 MB
Compressed MOS	35 MB	31 MB	21 MB	35 MB	31 MB	21 MB	18 MB
8 bit RGB	95 MB	80 MB	63 MB	95 MB	80 MB	63 MB	48 MB
8 bit CMYK	127 MB	106 MB	84 MB	127 MB	106 MB	84 MB	65 MB
Resolution	33 MP	28 MP	22 MP	33 MP	28 MP	22 MP	17 MP
ISO Sensitivity	50-800	50-800	25-400	50-800	50-800	25-400	25-400
<b>Digital Image</b>							
Color depth	16 bits (65,536 levels per channel)						
Dynamic range	12 f-stops						
Microlens	No, allowing for superior movement range control						
Color management workflow	Range of 12 profiles including factory profiles, plus optional ability for users to create their own custom camera profiles						
Leaf RAW file format	The only standard, open, RAW HDR file format available to professional photographers						
<b>LCD Screen</b>							
Operation	Advanced touch screen interface						
Size	6 x 7 cm (3.5 in.)						
Languages	English, German, French, Spanish, Italian, Chinese and Japanese						
File management	Preshoot file naming, image flagging, full browsing and file management, creation of job folders, custom file annotations						
Image viewing	Preview of up to 20 images on one screen, true 1:1 zoom to verify focus						
Image measuring tools	Histogram, exposure alarms, average exposure meter, spot meter (f-stop)						
Image settings	Custom and preset gray balance, ISO, selectable image-setting tags, IPTC and EXIF metadata						
<b>Portable Storage</b>							
Options	CF card type II (depends on CF), Leaf Digital Magazine (read/write speed: 17 MBps) High-volume portable FireWire disks						
Tested CF cards	SanDisk Extreme series (recommended) including Extreme IV line, SanDisk Ultra II series, Lexar CF Pro series						
<b>Cameras Supported</b>							
Mamiya	645AFD, 645AFD II, RZ67, RZ67 Pro II, RZ Pro IId, RB67						
Hasselblad	H1, H2 and V series (not including 200 and 2000 versions)						
Contax	645AF						
Fuji	GX680II, GX680III						
Bronica	SQA/SQAi/ ETRSi						
View cameras	Alpa, Arca, Cambo, Horseman, Linhof, Sinar, Toyo, Rollei X-Act II and others via Leaf Graflok or third-party adapters						
<b>Portable Power</b>							
Leaf battery	2350 mAh power						
Third-party compatible battery	Samsung SBL-160; 1850 mAh power (single-size battery) Samsung SBL-320; 3200 mAh power (dual-size battery)						
<b>Additional</b>							
Properties	Dimensions: W 95 x H 82 x D 59 mm, Weight: 600 g (1.3lb)						
Operating conditions	Back: 0°–40°C (32°–104°F), Digital Magazine: 5°–50°C (41°–122°F), Humidity: 15%–80% RH (non-condensing)						
Conformed Standards	CE, FCC, CSA, RoHS						

**Cover image by Gustavo Marx**

First Prize in the category of Portraiture, at the 2007 Prix de la Photographie Competition. First Place in the category of Advertising Beauty, at the 2007 International Photography Awards The image was taken using his Leaf Aptus 75.

**Inner page image by Montalbetti & Campbell**

Gay Campbell was named the 2007 Canon/AIPP Australian Professional Photographer of the Year by Canon APPA. This image was part of the portfolio that won the category of Australian Illustrative Photographer of the Year. The image was taken using a Leaf Aptus 75.

# Leaf

our science *your art*

## About Leaf

Since introducing the world's first digital camera back in 1992, Leaf has been recognized as a worldwide leader in the professional photography market. With extensive knowledge in image processing, color management and file conversion technology, Leaf has become the preferred digital equipment supplier for the world's leading professional photographers. Leaf Capture workflow software enhances productivity, while allowing today's professionals to get the perfect shot. The Leaf Aptus family is the latest in a series of award winning digital camera backs offering images of the highest quality, richest shadows, clearest highlights, and with brilliant sharpness. The product range now expands with the Leaf AF7 medium format digital camera system.

For more information visit [www.leaf-photography.com](http://www.leaf-photography.com)

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