

Brand	Series	Sensor Size	Portable	Tethering	Notes
Leaf	Valeo 6, 11, C-Most	135	Yes, via Mercury CF Unit. No screen unless connect iPaq via DP-67 cable.	Yes, via Leaf Capture 8.x. Live View requires USB dongle. All computers can fully power the back via Firewire.	Limited in sensor size, but work very well with Mercury.
Leaf	Valeo 17wi, 22wi	44x33 48x36	Yes, via Mercury CF Unit. No screen unless connect iPaq via bluetooth or DP-67 cable (non-wi versions are cable only).	Yes, via Leaf Capture 8.x or 11.x. Live View requires USB dongle. All computers can fully power the back via Firewire.	Inexpensive and produce gorgeous images. The best bargain in digital backs!
Leaf	Aptus	44x33 48x36	Yes, standalone	Yes, via Leaf Capture 11.x or paid version of Capture One. Live View in Leaf Capture requires USB dongle. All tethering requires an external power source.	Work very well with Mercury and can be a bargain, but have a vulnerability in the Firewire board that can easily cause it to fry, rendering the back useless (even when not tethering). Can avoid the problem by never tethering.
Leaf	Aptus II	44x33 48x36	Yes, standalone	Yes, via Leaf Capture 11.x or free version of Capture One. Live View in Leaf Capture requires USB dongle. All tethering requires an external power source.	Excellent backs, with additional metadata options that are particularly useful for Mercury shooters, but more expensive. Uses Firewire 800.
Phase One	H	135 36x36 44x33 48x36	No	Yes, via free version of Capture One. No Live View. All tethering requires an external power source.	No recommended, as must be tethered to work, and even then requires a secondary power source to capture. Requires a wakeup signal in addition to shutter sync.
Phase One	P, P+	44x33	Yes, standalone	Yes, via free version	High quality backs, but tend

		48x36		of Capture One. Only "+" versions can do Live View. All tethering requires an external power source.	to be quite expensive. Compatible with Mercury, but no special clamps are available. Requires a wakeup signal in addition to shutter sync.
Phase One	IQ	44x33 48x36 53x40	Yes, standalone, including Live View.	Yes, via free version of Capture One.	Requires a wakeup signal in addition to shutter sync, unless put into high-power-drain "no latency" mode. Special clamps are available. Fully Mercury compatible. IQ3100 and IQ4 backs can operate without an external shutter, for tripod shots only.
Hasselblad	CFV	36x36 48x36	Yes, standalone	Yes, via Hasselblad software.	Good backs, but significantly overpriced due to mechanical Hasselblad compatibility.
Sinar	54	48x36	No	Yes, via Capture Studio.	Amazing backs, for tethered studio use only. Have exchangeable mounts. Beware versions that use fibre-optics, as they require special computer card. Firewire versions are the only viable ones. H series can do multiple-exposure pixel shifting for highest possible results. Not the best match for Mercury use, but certainly possible.
Sinar	eMotion	48x36	Yes	Yes, via Capture Studio.	More practical than other Sinarbacks, but no real advantages.
Jenoptik	Eyelike	135 36x36 48x36	No	Yes, via Eyelike Precision software, running on Mac OS 10.4 only.	A nightmare to get working on the software side, but very inexpensive and can deliver insanely high quality via pixel shifting if you can get it working! Can also directly control Schneider electronic shutters. Exchangeable mounts, plus a special Mercury camera body that connects directly

					to the back.
Kodak	DCS Pro	36x36	Yes, standalone	Yes, via Kodak software.	Very bulky and heavy back, and overpriced. Won't work on a Mercury or technical camera without a special Kapture Group cable. Don't purchase without it.
Kodak	DCS 645	36x36	No	Yes, via Kodak software.	Not compatible with technical or Mercury cameras—must be mounted on the original camera it was designed for (Hasselblad ELX, Mamiya AF, or Contax).