

HARTBLEI



Optics by
Carl Zeiss

COMBINE THE BEST OF OPTICS WITH THE BEST OF DIGITAL CAPTURE

New high resolution optical designs like the Carl Zeiss Superrotator lenses and numerous DSLR lenses, cover near or full frame 645 medium format. The Hartblei Cam brings these two worlds together in one simple elegant solution for digital or film capture.



Phase One



Leaf



Hasselblad



Zeiss Superrotator lenses



DSLR lenses

HARTBLEI Cam – Digital back support

Designed and precision manufactured for medium format digital backs, with the accuracy required for DSLR or 35mm mount lenses. The Hartblei Cam is built to order, supporting all key manufacturers. The following platforms are available:

- Phase One / Mamiya 645
- Contax 645
- Hasselblad V-Series
- Hasselblad H-Series

HARTBLEI Cam – DSLR lens mount

Many DSLR lenses cover much larger than the 35mm format. Advanced designs for increased resolution provide a benefit of a significantly larger image circle. Most exceptional is Canon's 24mm tilt-shift lens which covers 645 format with movement while maintaining corner sharpness. The Hartblei Cam supports a digital interface for the Canon EF lens mount with full electronic aperture control. Manual lens mount version include Nikon F, Sony/Minolta, Pentax K, Leica R and Contax.

HARTBLEI – Carl Zeiss Superrotator lenses

Legendary Carl Zeiss optics are precision re-engineered adding tilt and shift capability. Focal lengths include the 40mm f4.0, 80mm f2.8 and the 120mm f4.0 Macro. All Superrotator lenses are available in Canon EF, Nikon F, Sony/Minolta, Pentax K, Leica R, and Contax.

NEW: HARTBLEI – Carl Zeiss Superrotator Universal lenses

Design for DSLR, Medium Format and Film or Video with follow focus interface ring.

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A PRECISION ENGINEERING MARVEL – THE BEST INVESTMENT

Advanced engineering solves some one of the most difficult aspects of focus required for use of DSLR optics.

Motorized Sliding back

The traditional accuracy problems with bearings and sliding backs have been overcome using a self-aligning, motorized sliding back system. Friction is reduced using Teflon glides and complementary materials. The motor and battery systems are well proven and sourced from the Video industry. With a 7200mAh battery, the camera can run all day.

Phase One/Mamiya 645DF shutter

The open platform approach of Phase One and Mamiya was an attractive reason to select the 645DF shutter for the Hartblei Cam. The shutter is designed as a module that is easily replaced making service both in-expensive and simple.

Industry proven engineering and technology

The Hartblei Cam is built using industrial strength parts and components that have already been tested and proven in the real world. A predecessor industrial and scientific model of the Hartblei Cam has been manufactured for 7 years with the highest quality, precision and durability.



Industrial grade touch pad interface

Performance and worry free operation is the basis of the Hartblei Cam design. The best touch pad systems in the world are built for industrial applications. Many times the industrial environments are extremely harsh compared to photographic applications. The touch pad controls activate, power, sliding back function, aperture and shutter control.

2 Year Warranty

Our proven technology and modular design allow us to offer a 2 Year limited warranty for parts and construction.

Upgrade capable - Change customizations

Your investment is protected with special offers on upgrades or a change in the customization of your Hartblei Cam. If a different digital back mount is required, the Hartblei Cam can be remanufactured for a minimal fee as part of the service package.

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CUSTOM BUILD THE PERFECT SOLUTION

Choose the best solution for your workflow or select our most popular combination! Lens mounts and digital back mounts can be remanufactured with the new customization requirements.



Built-to-order

Select a back mount to fit your digital capture solution, select a lens mount and select a digital back platform for connection cables. It's simple and easy to get the right solution.

If equipment changes in the future and a new digital back mount is required, the Hartblei Cam can be remanufactured at a nominal cost. Custom solutions for medical, industrial and scientific applications are also available.

The Canon EF mount – Our most popular solution

The electronic aperture control provides a powerful reason to select the Canon EF lens mount. Canon lenses are closer to the capture plane making lens adapters quick and easy. Adapt Nikon or Leica lenses to the Canon mount. Hasselblad mechanical lenses, Mamiya manual lenses and Pentax 6x7 are also adaptable to the Canon mount. A new Canon to Nikon G-ED adapter is also available for the Nikon digital lenses that have no aperture adjustment ring.

Custom lens mount adapters add versatility

An extensive list of lenses can be adapted for all lens mount solutions offered by Hartblei. These solutions offer adapters for both DSLR and medium format lenses. The adapters are built in Germany by NovoFlex and are exceptional in both precision and build quality.

Digital Back mount options:

- Phase One / Mamiya 645
- Contax 645
- Hasselblad V-Series
- Hasselblad H-Series
- Rollei/Hy6

Standard Lens mount options:

- Canon EF – full electronic aperture control
- Nikon F

Custom Lens mount options:

(extra cost)

- Sony/Minolta
- Pentax K
- Leica R
- Contax

Digital Backs supported:

- Phase One
- Leaf
- Sinar
- Hasselblad H3D/H4D on custom order basis

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SPECIFICATIONS

All Hartblei Cams are built-to-order. Specifications may change depending on customization.

Product Description

- Digital or analogue medium format up to 645
- 35mm/DSLR lens mount
- Wide angle lenses starting at 8mm (Fisheye), 14 mm (14-24mm Nikon G-ED, Canon TS 17 mm and 24 mm, etc.)
- Motorized sliding back with precise sensor positioning and auto alignment.
- Built using industry standard, proven components
- Vibration free for long exposures and multi-shot
- Trigger the camera through touch pad, cables or direct connection to the capture software
- Two Accessory shoes: (1) Flash sync, (2) for mounting leveling accessories or optical finders
- Body tripod mount is a custom Novoflex 6" rail for 1/4 inch or 3/8 inch tripod screw
- Shift up to 12mm or tilt up to 8 degrees. Rotate each movement 360 degrees with Hartblei Superrotator or Canon TS lenses

Shutter

- Phase One / Mamiya 645 DF shutter module.
- Shutter speeds include B (Bulb) and 30 sec. up to 1/4000 sec.
- 1/125 sec flash sync,
- first or second curtain sync available

Focusing

- Bright focus screen
- Hasselblad V System mount for viewing accessories and focus screens

Power Supply

- Standard Configuration: High performance Lithium Ion 7.2 volt rechargeable battery (Sony) up to 7200 mAh
- Mains, universal power supply 120/220 with car adapter

Custom Power options – special order basis

- Canon or Nikon Camera batteries (e.g. EOS 5D MKII)
- Video Camera batteries like Canon, Phase One camera batteries, Leaf camera batteries etc.
- prices quoted on request

Leveling, camera positioning

- Two illuminated levels (round) for exact horizontal and vertical alignment. Levels mounted on side and top of body
- Custom base plate provided by Novoflex (QPL System). Other systems possible (e.g. Manfrotto)
- Parallax free operation with Hartblei Carl Zeiss superrotator lenses and clamp. Provides view camera movements like Shift, Tilt or Swing which can be freely combined. Choose portrait or landscape in seconds by rotating the whole camera
- Hartblei Support stand (made by Novoflex) provides geared adjustments for alignment, critical focus, setting nodal point for VR Panorama captures and alignment for stereoscopic photography

Back mount options (one per camera)

- Back mounts: Phase One/Mamiya, Hasselblad-V and Hasselblad-H, Contax, Rollei/Hy6
- Digital Back cable sets: Phase One, Leaf, or Sinar. Hasselblad H3D and H4D on special request.
- Cable release 1 m included (longer cable on request as custom order)

Lens Mount options (one per camera) plus adapters

- Standard mount (most versatile) Canon EF with electronic aperture control
- Manual mount (no electronic aperture control) Nikon F, Sony/Minolta, Pentax K, Leica R, Contax
- With adapters, access to most 35 mm and medium format lenses with flange focal ranges starting at Canon-EOS (with electronic Aperture) – or Nikon F mount
- Medium format adapters for Mamiya, Hasselblad, Bronica, etc. manual lenses

Dimensions and weight

- 233 mm (9.17 inches) x 129 mm (5.08 inches) x 34 mm (1.34 inches) (WxHxD)
- weight depending on customization and battery, approximately 2.3kg (5lb)

Products in Development

- Contax 645 lens adapter with aperture control for use with Canon EF mount Hartblei Cam
- HR view camera lens adapter with helical focusing mount

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