

# MAIN OPERATING INSTRUCTIONS



**Wide DS Digital Series**

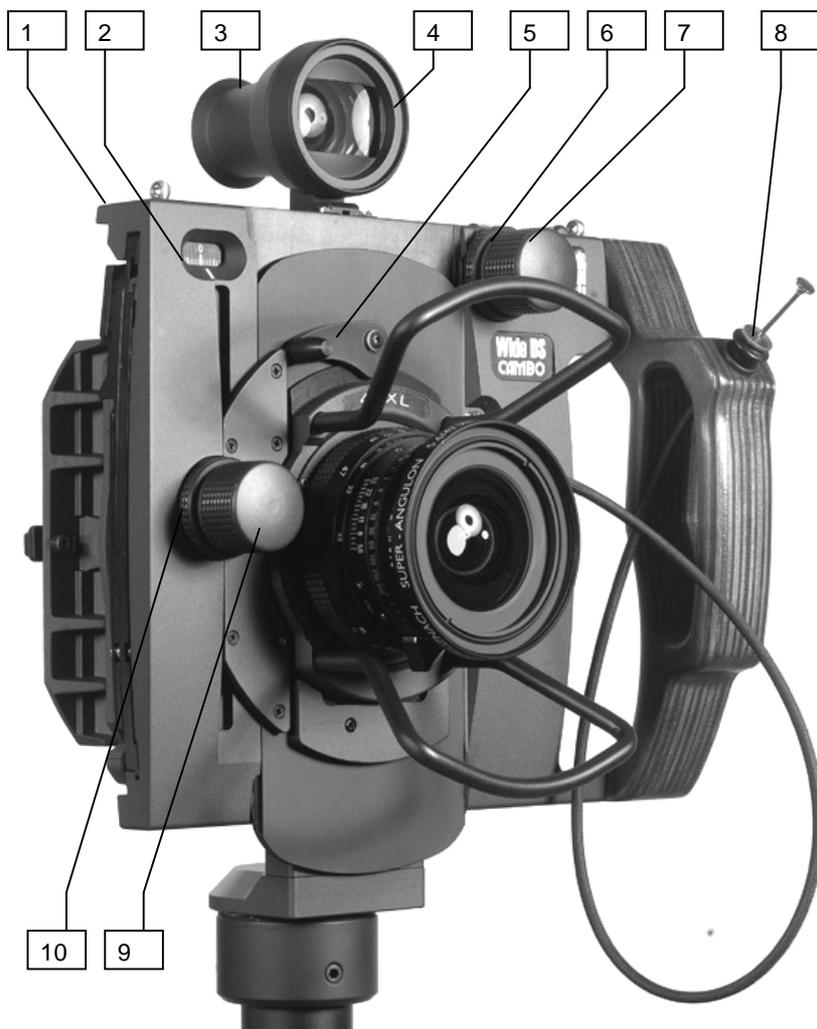
**CAMBO**

## 1. INTRODUCTION

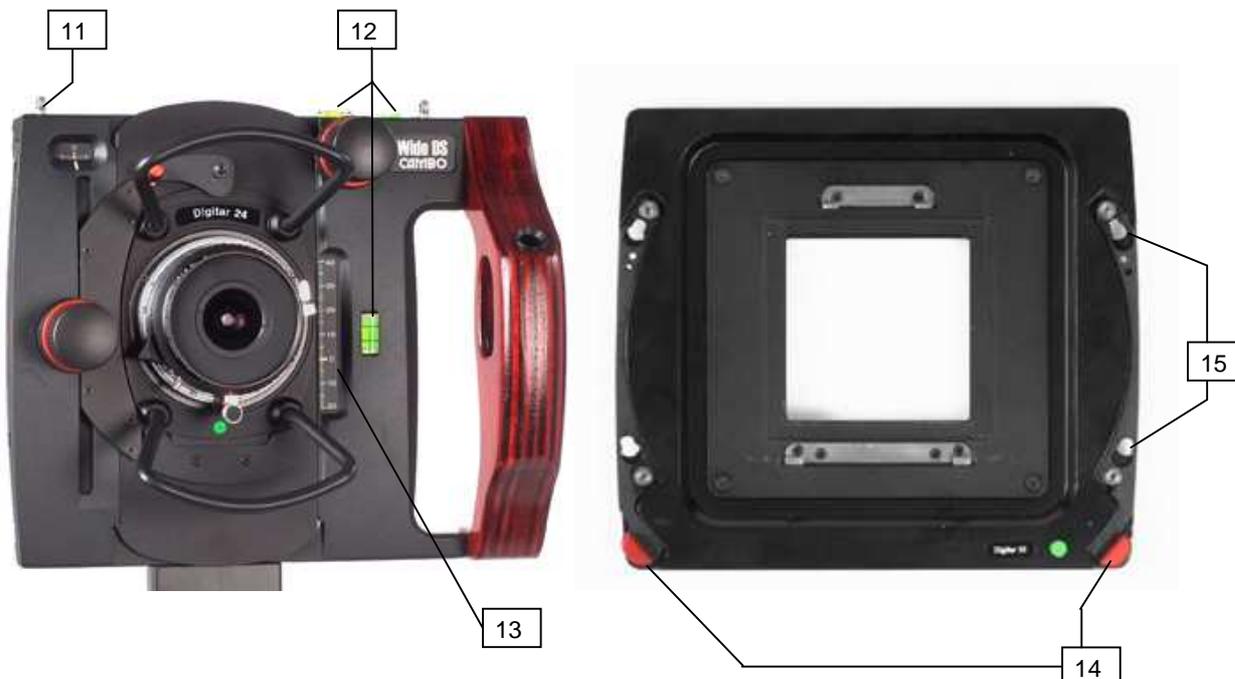
Next to the existing Wide DS camera solutions Cambo now introduces the Wide DS Digital series. These instructions give short information about the main functions of this new photographic system.

## 2. LIST OF FUNCTIONS

- |                               |                                  |
|-------------------------------|----------------------------------|
| 1. Housing camera             | 6. Horizontal Shift Locking Knob |
| 2. Scale horizontal           | 7. Horizontal Shift Control Knob |
| 3. Viewfinder (optional)      | 8. Removable Cable Release       |
| 4. Mask viewfinder (optional) | 9. Vertical Shift Control Knob   |
| 5. Locking lever Lens Plate   | 10. Vertical Shift Locking Knob  |



- |                                |                                   |
|--------------------------------|-----------------------------------|
| 11. Strap Hook                 | 14. Adapting System Locking Knobs |
| 12. Spirit Levels 3 directions | 15. Adapting System Pens          |
| 13. Scale Vertical             |                                   |



### 3. INSTRUCTIONS

These instructions describe the main functions of the Wide DS Digitar series. The camera body is exactly the same body that is used for the Wide DS film solutions with the double shift (vertical and horizontal simultaneously) and the extra shift stroke upwards (40 mm).

The digitar lenses have been selected for their excellent wide-angle images. In combination with this camera and today's digital backs there is a world of new opportunities.

#### Interfaces

The Backside Interface fits the adapting system as used on the Wide DS film solutions. For the 24, 35, 47mm and 55 digital lenses the interface plate is the same. The adapter is placed on the adapting system pens (15) at the backside of the camera and fixed using the two locking knobs (14).

Both the Hasselblad H1 and the Mamiya 645afd adapter are easily mountable in portrait and landscape position. The Contax 645 and the optional Mamiya RB adapter are only removable and mounted again (portrait / landscape) using a screwdriver (cross).

In case of change to Film Set-up:

The film system parts are exchangeable by longer and shorter filling frames depending on what lens you are using. The Wide 38 XL and 47 XL are without filling house and the Wide DS 58 XL up to the 150mm have a Lens-type marked filling frame.

The parts can be removed again by shifting the bars at the side with the locking knobs (14) upward. Locking downward.

The film backside parts have indication marks at the right side of the camera to get them rightly positioned.

#### Lens system

The lens plate can be removed and exchanged by lifting the locking lever (5) at the front of the camera.

The special designed Digital Lens Panels (24, 35, 47 and 55mm) have a 6mm offset vertical 0-position.

This means that the white indent is to be set on zero on the scale for exact zero-height position and the click-stop needs to be ignored. This solution has made the combination of lens panel and backside interface even more compact.

The new designed helical mount for the 24 mm digitar lens makes the use of this lens possible in combination with the double shift body and all four interface solutions.

#### 4. SPECIFICATIONS

##### Standard Models:

Wide DS 24 Digitar  
Wide DS 28 Digi HR  
Wide DS 35 Digitar  
Wide DS 47 Digitar

Wide DS 55 Digital  
Wide DS 72 Digitar  
Wide DS 90 Digitar

- **Weight** (with 47mm lens): 1.7 kg
- **Size** (with 47mm lens, hxbxd): 22,8x21,9x10,7 cm.
- **Lens shift** all models
  - 20mm horizontal left**
  - 20mm horizontal right**
  - 40mm vertical upward**
  - 20mm vertical downward**

Both movements are in the body construction, not on the lens panel.

**! Note that the image circle of the used lens and the image size define the amount of single / combined shift that is optically possible.**

The digital solutions include a special Wide DS backside adapter to fit digital backs directly on a Hasselblad V, H1, Contax 645 or Mamiya 645AFD adapter. Optionally there is a Mamiya RB adapter available.

These interfaces fit to the existing Wide DS camera and are calibrated on the camera to get the best possible sharpness in the optical system.

All digitar lens-systems are also factory calibrated and reversible on the Wide DS body.

##### Lenses:

The WDS Digital camera is now standard prepared for the 24 digitar, 35 digitar and 47 digitar Schneider lenses and the 55 apo sironar digital lens of Rodenstock. The body is also useable in combination with the super angulon 38 XL, 47 XL, 58 XL, 72 XL, 6.8/90 and apo-symmar 5.6/150L Schneider lens. For other lens solutions contact your Cambo dealer.

For the use of all lenses except for the 24, 35 and 47 digitar lenses, the 38 XL and the 47 XL the lens solutions include filling frames at the back to get the Ground glass holder at the right position.

##### Optical Viewfinder

There are new viewfinder masks available with the new Wide DS digital solutions. The masks are rotatable in steps of 90°. The viewfinder contains a circular level through a mirror for hand held levelling.

### **Spirit levels, Fastening eyes, Focusing Cloth bushes, Camera foot, Upside down mounting.**

The spirit levels are of a high quality and used in three directions for use of ceiling photography as well. The camera has strap hooks for a carrying strap as a standard item. The camera has the Quick release base as a standard. The other foot is optional when only a normal 3/8" connection is used. For extreme (4cm) shift downward the camera is to be mounted upside down by using the camera foot with a special filling block mounted on top of the camera.

### **Inter-changeability of Wide DS Systems**

All Wide DS Digitar Lens and Backside adapters are exchangeable with the film version Lens panels with the normal Ground Glass adapters. The digitar and film solutions on the camera are separate systems and the lens-panels of both systems use their own backside system. The body however is standard for both optical set-ups.

### **Accessories:**

For more possibilities and accessories please contact your Cambo Dealer.



*Cambo Wide DS  
Digitar-Leaf combination*

Cambo R&D

January 2007

This Manual is prepared by Cambo with care, although no responsibility, financial or otherwise, is accepted for any consequences arising out of the use of this manual or this material. All specifications in this manual are subject to change without notice.

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