

# MAIN OPERATING INSTRUCTIONS



**Wide DS**

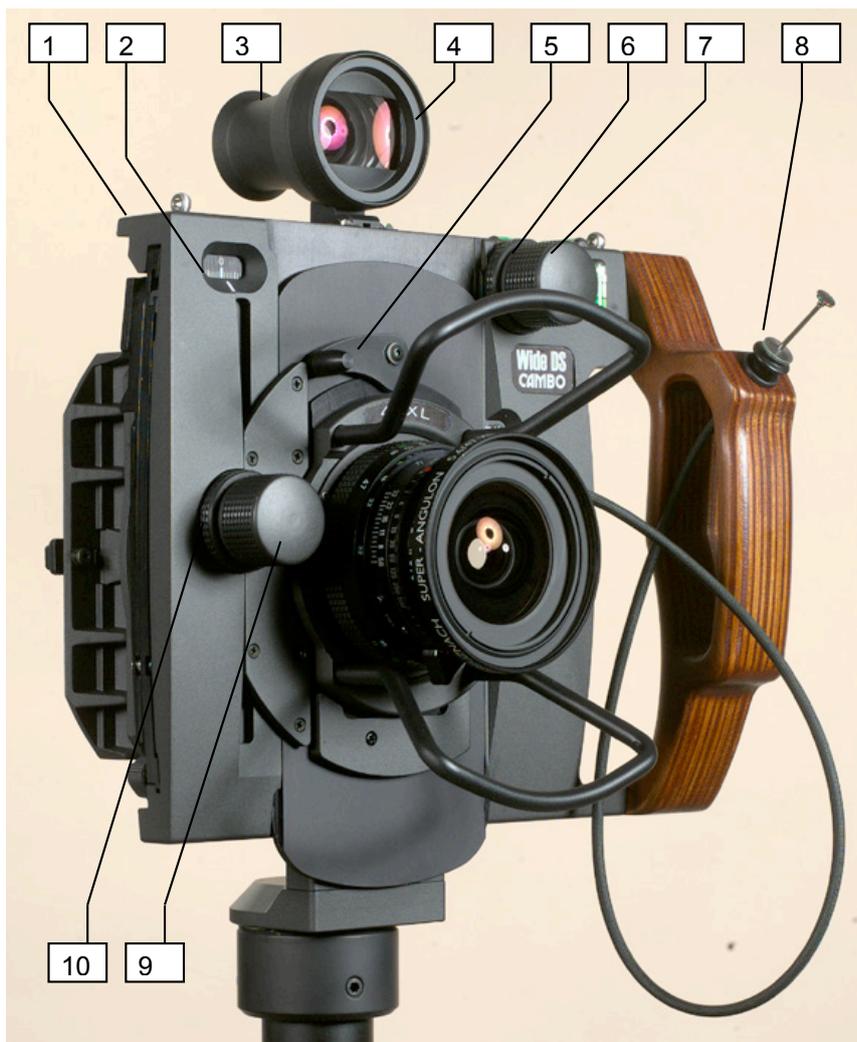
**CAMBO**

## 1. INTRODUCTION

These instructions give short information about the main functions of the new Wide DS camera. The functions that differ from the existing Cambo wide camera will get most attention.

## 2. LIST OF FUNCTIONS

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



11. Eye bolt & Bush Focusing Cloth
12. Spirit Levels 3 directions
13. Scale Vertical
14. Adapting System Locking Knobs
15. Rotating System Locking Knob
16. Adapting System Pens



## INSTRUCTIONS

Most functions speak for themselves. The main difference to the existing Cambo Wide camera is the double shift (vertical and horizontal simultaneously) and the extra shift stroke upwards (40 mm).

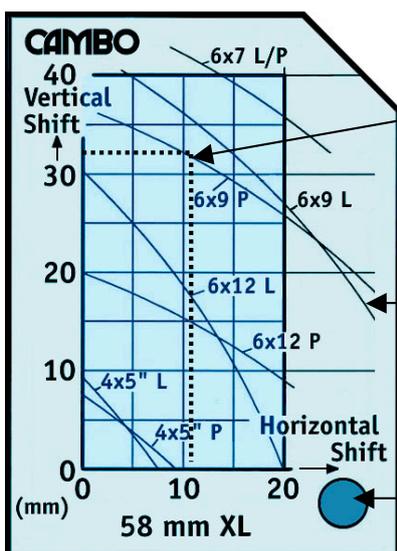
This has been made possible by applying the shift close to the camera body. That is why this camera system uses filling houses at the backside to get the lens focal distances exactly right.

The Backside parts are exchangeable by longer and shorter filling houses 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 house.

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

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

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



## LENSCARD INFORMATION

Example:  
32mm Shift Vertical  
indicates maximum:  
11mm Shift Horizontal

6x9cm  
Landscape

Colour: blue  
58XL Lens System

The Wide DS Lens Systems are supplied with a Lens Card. The card shows the amount of shift that is possible with this specific lens. The picture (left) shows the 58XL card. The arcs always represent the 166mm Image

Circle. They are positioned for each possible image format to show the shift possibilities for this Lens System. The darker rectangular area represents the shift possibilities of the Wide DS Camera for shift upward in combination with left or right shift. The Wide DS has 20mm shift downward which is corresponding to the first 20mm shift upward. The example shows a combination of maximum possible shift.

NOTE: The Lens Card for the 38XL Lens System (not displayed) does not show the image circle for the 4x5" format because the lens does not cover the format completely (137mm).

# Specifications

**Standard Models:** Wide DS 38 XL, Wide DS 47 XL, Wide DS 58 XL,  
Wide DS 72 XL, Wide DS 6.8/90, Wide DS 5.6/150L

- **Weight** (with 47mm lens): 1.8 kg
- **Size** (with 47mm lens, hxbxd): 22,8x21,9x13,3 cm.
- **Lens shift** all models (including 38mm Schneider):  

<b>20mm horizontal left</b>	<b>40mm vertical upward</b>
<b>20mm horizontal right</b>	<b>20mm vertical downward</b>

Both movements are in the body construction, not on the lens panel. Note that the image circle of the used lens and the film size define the amount of combined shift that is possible.

## Lenses:

The Wide DS is designed to be used with the main existing wide lenses. The camera is now standard prepared for the 38 XL, 47 XL, 58 XL, 72 XL, 6.8/90 and 5.6/150L Schneider lenses. For other lens solutions contact your Cambo dealer. For the use of all lenses except for the 38 and the 47mm we use modules at the back to get the Ground glass holder at the right position.

## Centre Filters:

99945385	Centre Filter for Super Angulon 5.6/38XL
99925637	Centre Filter for Super Angulon 5.6/47XL
99910590	Centre Filter for Super Angulon 5.6/58XL
99925638	Centre Filter for Super Angulon 5.6/72XL
99928300	Centre Filter for Super Angulon 6.8/90

## Ground glass holder

The Ground glass holder is based on the 4x5" format and is rotatable except for the compact 38XL version that is fixed and only useable for this 38XL Schneider lens solution (different height compared to rotating ground glass holder).

The Ground glass holders can be used with Cambo roll film holders.

## Optical Viewfinder

There is a new 120° viewfinder available with the new Wide DS. The new masks are rotatable in steps of 90°. The viewfinder will contain a circular level through a mirror for hand held levelling. A special bracket takes the viewfinder to a higher position for vertical use of the Roll film holders maintaining the maximum amount of vertical shift.

## 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 fastening eyes for a carrying cord and bushes for the use of a Focusing cloth 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 mounted upside down by using the camera foot with a special filling block mounted on top of the camera.

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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