

# USER MANUAL

## NOBLEX 135





**NOBLEX 135 U with on-plugged PANOLUX 135**

**NOBLEX 6/150 UX with on-plugged PANOLUX 135**



## Introduction

Congratulations on your purchase of a new NOBLEX camera. With the patented and unique operating principles of NOBLEX cameras you enter in a new world of dramatic and expanded photographic applications. As NOBLEX cameras differ from traditional camera systems, we recommend reading the operating instructions carefully before using the camera the first time.

### Please note

**These operating instructions are general instructions for all 35MM NOBLEX cameras. Should you own a model not having all features, you can omit certain chapters.** Please refer to the table on page 9 for information on technical features of your camera.

## Special Features of NOBLEX

1. NOBLEX cameras use the principle of the lens rotating 360° for each exposure.
2. The film, resting on a curved film plane, is exposed through a constantly moving shutter slit.
3. During the first half of the rotation the lens drum is accelerated to a constant speed, insuring absolutely even exposure of the film during the second half of the rotation.
4. This results in distortion free photographs with an angle of view of 136°. What makes these pictures stand out are their remarkably even edge to edge illumination and unsurpassed sharpness.
5. The photographs correspond to the natural space perception of the human eye.

## Table of Contents

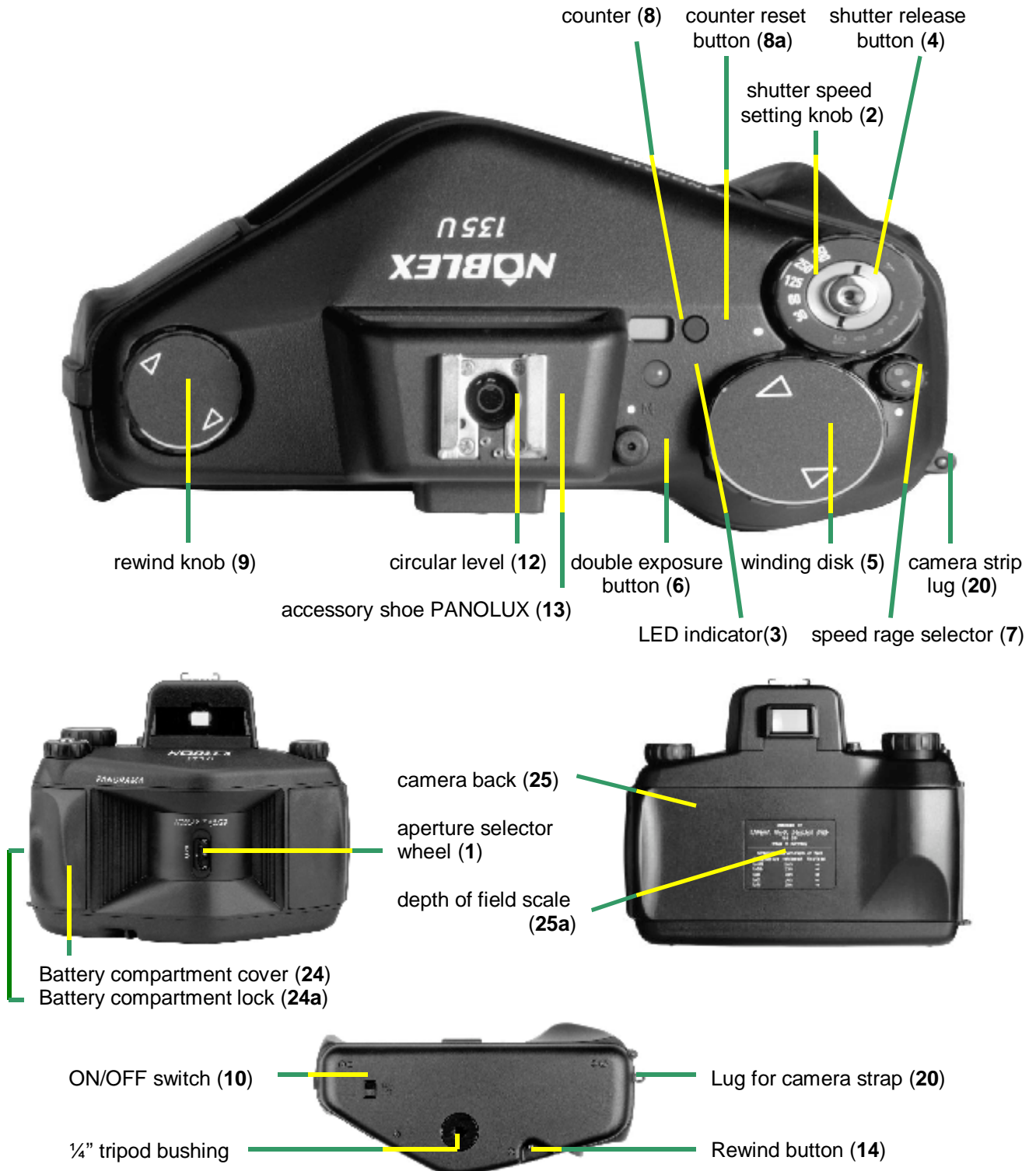
Introduction .....	3
Special Features of NOBLEX .....	3
Table of Contents .....	3
Important Notes .....	3
<b>Standard Features .....</b>	<b>5</b>
<b>Attaching the Camera Strap .....</b>	<b>5</b>
<b>Inserting the Batteries .....</b>	<b>5</b>
<b>Inserting and Rewinding the Film .....</b>	<b>5</b>
Inserting the film .....	5
Rewinding the film .....	6
Short Time Exposures .....	6
Long Time Exposures .....	6
NOBLEX for Advanced Users .....	7
Lens Shift .....	7
Multiple Exposures .....	7
Filters .....	7
PANOLUX 135 .....	8
Care of Camera .....	8
What to do if your camera requires service .....	8
Technical Features .....	9
NOBLEX running duration of lens drum .....	9
Technical features of all NOBLEX 135 models .....	9

## Important Notes

- 1) The camera is not waterproof and therefore not suited for use in wet environments, when raining or in snow. A camera dropped into the water by accident, should immediately send to the NOBLEX Service Centre. Protect your camera from seawater haze and from high humidity. To properly clean your camera, use a dry cloth or a soft brush after taking pictures.
- 2) In the event service is required, never try to repair your camera yourself, contact the closest NOBLEX Service Station.
- 3) Remove the batteries if you will not use the camera for more than two weeks.
- 4) When not using the camera store it in the case and keep the camera in a cool, dry and dust-free

- location. Do not expose the camera to direct sunlight if it is not necessary and avoid strong heat influence (e.g. in trunk or glove compartments of cars).
- 5) Check all camera functions carefully after long storage.
  - 6) Batteries can leak or explode and have the potential to cause personal harm. Do not open battery, expose to fire or high temperature, recharge, put in backwards, or mix with any other battery type. Dispose of them properly and always avoid misuse.
  - 7) As with any electronic item, pay attention to condensation when moving from a cold area to a warmer, as high humidity and dampness may occur.
  - 8) If colour film remains too long in the camera, you may experience a colour shift. Always use fresh film.

## Designation of Parts and Operation Elements of NOBLEX 135



## Standard Features

### *Attaching the Camera Strap*

Thread the camera strap in the lug (20).

### *Inserting the Batteries*

35MM NOBLEX cameras require 4 batteries AAA (RO3/UM4/LR) 1,5V. Please use high-quality alkaline batteries. When inserting the batteries follow these instructions:

- (1) Open (24a) the battery compartment cover (24) with a small coin.
- (2) Remove the cover.
- (3) Insert the new batteries. Pay attention to the fight polarity.
- (4) Insert the battery compartment cover in the camera.
- (5) Close (24a) the cover with a small coin.

#### **Please note**

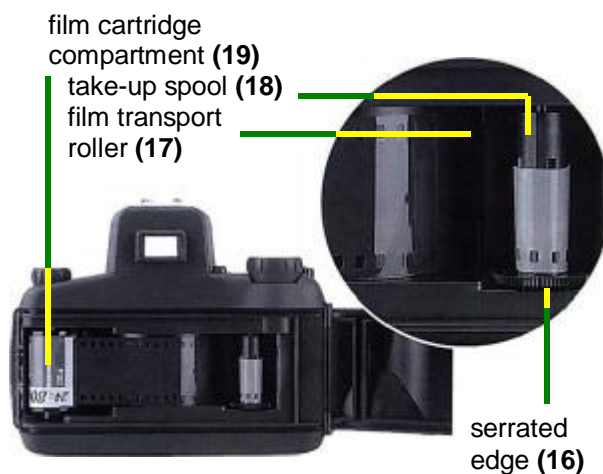
Never use batteries of different types and do not mix old batteries with new ones. **Do not use rechargeable batteries.** If you do not use your camera for an extended time, remove the batteries.

### *Inserting and Rewinding the Film*

NOBLEX 135 cameras require 35MM film rolls. When inserting and rewinding the film please follow these instructions:

#### Inserting the film

- (1) Turn the camera off at the ON/OFF switch (10).
- (2) Pull up the rewind knob (9) as far as possible.
- (3) Open the camera back (25).
- (4) Insert the film roll in the film cartridge compartment (19) located on the left side of camera.
- (5) Push the rewind knob (9) back to the starting position.
- (6) Pull the film leader across the film plane.
- (7) Push the leader under the film transport roller (17) until it extends over the outside of the take-up spool (18).
- (8) Bend over the first 0,5... 1cm of the film and insert this end into the slot of the take-up spool (18).
- (9) Tighten the film by turning the serrated edge (16) of the film take-up spool.
- (10) Close the camera back (25). The compartment cover must audibly engage.
- (11) Rotate the film advance knob (5) in the direction of the arrow until it reaches a stop.
- (12) Press the shutter release button (4) once.
- (13) Press the counter reset button (8a) to »0« (8).



#### **Please note**

If the perforation of the film should engage with the film transport roller (17) while being pushed through, press the rewind button (14). This releases the film transport roller (17) and you can continue inserting the film.

## Rewinding the film

- (1) Press the rewind button (14) until it is engaged.
- (2) Lift out the crank on the rewind button (9), turn the crank in the direction of the arrow to rewind the film. Shortly before the film is completely rewound resistance on the rewind knob (9) drops considerably.
- (3) Pull up the rewind knob (9) as far as possible.
- (4) Open the camera back (25) and remove the film roll.

## Short Time Exposures

- (1) Turn the camera on at the ON/OFF switch (10).
- (2) Switch the double exposure button (6) to single exposure (not to position »M«).
- (3) Rotate the speed range selector (7) counter clockwise.
- (4) Select your exposure time (1/30 -1/500) and set it on the shutter speed setting knob (2). The LED indicator (3) should be green.
- (5) Set the aperture desired on the aperture selector wheel (1).
- (6) Turn the winding disk (5) in the direction of the arrow until it stops.
- (7) After carefully viewing your subject depress the shutter release button (4).

### Please note

If the LED does not light,

- 1) check your shutter speed selection and
- 2) check the condition and/or insertion of batteries.

Pay attention to the proper holding of the camera. Otherwise your hands may appear in the photograph.

When sighting the camera horizontally and vertically refer to the circular level (12) mirrored in the finder. Inclined skylines and converging vertical lines can thus be reliably avoided. The NOBLEX camera is a fixed-focus camera. A distance setting is, therefore, not necessary. Please refer to the Technical Features on page 9 or to the table on the back of your camera (25a) for depth of field figures. Mode »A« on the shutter speed setting knob (2) can only be used together with a PANOLUX 135 exposure module. Otherwise inaccurate exposures may occur. It is advisable to switch the camera off (10) when not using the camera, to conserve battery life.



## Long Time Exposures

- (1) Turn the camera on at the ON/OFF switch (10).
- (2) Switch the double exposure button (6) to single exposure (not to position »M«).
- (3) Rotate the speed range selector (7) clockwise.
- (4) Select your exposure time between 1/15 and 1 sec. and set it on the shutter speed setting knob (2). The LED indicator (3) should be red.
- (5) Set the aperture desired on the aperture selector wheel (1).
- (6) Rotate the film advance knob (5) in the direction of the arrow until it stops.
- (7) After carefully viewing your subject. depress the shutter release button (4).

### Please note

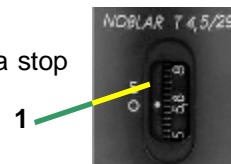
Refer to the hints at chapter »Short Time Exposures«. When taking long time exposures it is always recommended to use a tripod.

## NOBLEX for Advanced Users

### Lens Shift

When using the lens shift the subject is moved upwards without tilting the camera. Converging lines can thus be avoided. In order to shift the lens follow these instructions:

- (1) Turn the aperture selector wheel (1) to aperture f=4.5.
- (2) Push the whole aperture selector wheel (1) further upwards until it reaches a stop at app. 4mm.
- (3) The white dot will be in position »S« and the lens is shifted upwards.
- (4) Select your aperture and set it on the aperture selector wheel (1).



#### Please note

A »cut-out« is provided in the viewfinder to help determine the top edge of the »shifted« photograph.

In order to return the lens to its normal position follow these instructions:

- (1) Turn the aperture selector wheel (1) to aperture f=16.
- (2) Push the whole aperture selector wheel (1) further downwards until it stops: app. 4mm.
- (3) The white dot will be in position »0« now and the lens has its normal position back.
- (4) Select your aperture and set it on the aperture selector wheel (1).

### Multiple Exposures

In order to expose one frame of film more than once, switch the double exposure button (6) to position »M«. Press the shutter release knob (4) once for a single exposure. This procedure can be repeated as often as you wish. Keeping the shutter release knob (4) pressed, the lens will continue to rotate and the exposing process is repeated until you release the knob (4). The complete exposure time consists of all single exposure times. You will find a corresponding table on page 12:

#### Please note

We recommend using a tripod and cable release for most applications of multiple exposures.

### Filters

As an accessory for NOBLEX cameras we offer a wide range of filters. NOBLEX filters are specially designed with a magnetic ring on the back surface of the filter. The filter can thus directly be fixed to the lens. For inserting the filter follow these instructions:

- (1) Turn the camera off at the ON/OFF switch (10).
- (2) Push the double exposure button (6) to position »M«.
- (3) Press the shutter release knob (4) and hold it pressed.
- (4) Turn the lens drum clockwise until the lens is visible.
- (5) Release the shutter release knob (4) now.
- (6) Put the camera on it's back.
- (7)
- (8) Pick up the filter by the hole of the filter ring using a pair of tweezers and insert it through the shutter slit. Place the filter onto the lens. The filter is then magnetically held onto the front of the lens.
- (9) Turn the lens drum back until it is engaged.
- (10) Push the double exposure button (6) back to single exposure, if desired.
- (11) When removing the filter follow the same procedure.



## Please note

Step 5: If you turn the drum counter clockwise here, the film is exposed and you lose one picture.

Please be very careful when changing filters in order to avoid damage to the lens caused by the tweezers.

## PANOLUX 135

The PANOLUX is an exposure metering and control module which you can purchase in addition to your NOBLEX. The PANOLUX automatically controls the exposure time of your camera. There are two measuring methods for this: Apart from the conventional reflective metering - light metering in direction of your subject - the PANOLUX has the capability of automatic exposure compensation during lens rotation. When using this mode the PANOLUX corrects the exposing process and ensures a contrast compensation throughout the whole picture. This means that the lens drum moves more slowly in the darker part of the exposure and more quickly in the brighter part. This exclusive NOBLEX feature can effectively increase the film latitude of transparencies by toning down the high lights while increasing the shadow detail. Our advanced electronics guarantee the precise and absolutely even rotation of the lens drum.



Front and back view of PANOLUX 135

## Care of Camera

For removing dust and fluff use a small and soft non-shedding brush. Pay special attention to

- clean drum slit
- clean film compartment
- clean film plane

## What to do if your camera requires service

Should you have any problems with your camera which you cannot deal with the hints given in the operating instructions, please contact your dealer or importer.

Addresses of your closest camera repair centre are obtainable from:

KAMERA WERK DRESDEN GmbH  
Bismarckstraße 56  
01257 Dresden  
Germany  
Tel. 0049 (351) 28 06-0  
Fax 0049 (351) 28 06-392  
[www.kamera-werk-dresden.de](http://www.kamera-werk-dresden.de)

## Technical Features

### **NOBLEX running duration of lens drum**

Selected Exposure time (sec)	Exposure duration (sec)	Sample for long time exposure by means of multiple exposure with NOBLEX 135 at selected exposure time 1/30 sec	
		Number of drum rotations	Total exposure duration (sec)
1/500	0,25	-	-
1/250	0,5	-	-
1/125	1	-	-
1/60	2	-	-
1/30	4	-	-
1/15	8	2	8
1/8	16	4	16
¼	32	8	32
½	64	16	64
1	128	32	128
2	-	64	256
4	-	128	512

By means of multiple exposures, exposure times which far exceed those ones adjustable on the camera can be reached with NOBLEX cameras.

### **Technical features of all NOBLEX 135 models**

NOBLEX camera model	NOBLEX 135 U	NOBLEX 135 s	NOBLEX pro Sport	NOBLEX 135 N
Multiple exposure possibility	yes	yes	no	yes
Circular level in finder	yes	yes	no	yes
Connector for PANOLUX	yes	yes	no	no
'shift' upwards h (mm)	4	4	no	no
Picture angle horizontal (°)	127			
Picture angle vertical (°)	44			
<b>Picture angle diagonal (°)</b>	<b>135</b>			
Gap length film side (mm)	1,4			
Film type	26 mm small format film (36 exposures)			
No. of exposures per film	19			
<b>Picture size y' (mm)</b>	<b>24 x 66</b>			
<b>Selectable exposure times (sec)</b>	1/500 1/15	1/500		
	1/250 1/8	1/250		
	1/125 ¼	1/125		
	1/60 ½	1/60		
	1/30 1	1/30		
<b>Lens</b>	<b>NOBLAR T 4,5/29</b>			
<b>Focal length (mm)</b>	<b>29,85</b>			
Used field of picture Ø (mm)	32		24	
<b>Adjustable positions</b>	'fix-focus'			
Converging power close-up lens	no			
Out of focus field Ø (mm)	0,05			
Middle shooting distance (m)	7,5			
Depth of field <b>object – picture</b> in meters (depends on aperture)	k=5,6	∞ ... 2,6		
	k=8	∞ ... 2,3		
	k=11	∞ ... 1,8		
	k=16	∞ ... 1,4		
	k=22	∞ ... 1,0		
<b>Measurements (L/W/H) (mm)</b>	165 / 65 / 130			
<b>Weight (gramm)</b>	ca. 790			