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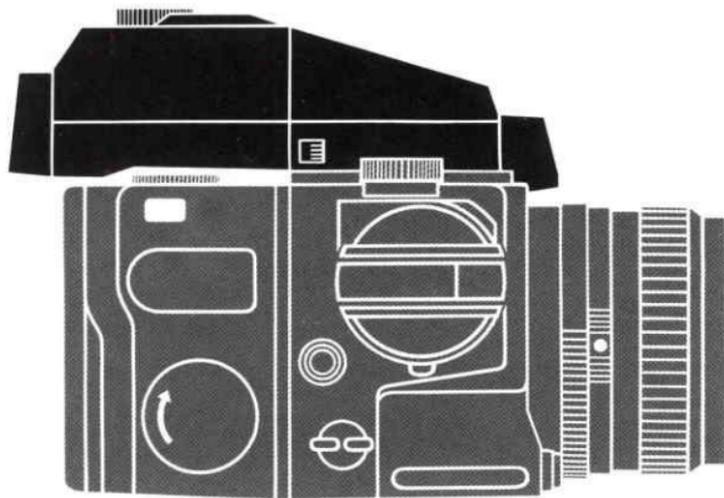
# M645SUPER

**AEプリズムファインダーN/プリズムファインダーN**

**AE Prism Finder N/ Prism Finder N**

**Automatik-Prismensucher N/Prismensucher N**

**Viseur Prisme AE/N. Viseur Prisme Simple N**



**日本語 使用説明書**

**English Instructions**

**Deutsch Bedienungsanleitung**

**Français Mode d'emploi**

## 日本語

### AEプリズムファインダーN

#### 各部の名称

- ① アイピースシャッターレバー
- ② 測光方式切り替えダイヤル
- ③ ロック解除ボタン
- ④ 露出補正ダイヤル
- ⑤ 視度補正レンズ取り付けわく
- ⑥ 電子接点
- ⑦ 取り外しボタン
- ⑧ 取り付けつめ
- ⑨ 取り付け金具

### プリズムファインダーN

AEプリズムファインダーNからAE・測光機能を除いたファインダーで、光学的な仕様はまったく同じです。AE・測光機能を必要としない撮影では、シンプルさとコストパフォーマンスが魅力です

- ⑩ アイカップ
- ⑪ ファインダー窓
- ⑫ 取り外しロック解除ボタン

## English

### AE Prism Finder N

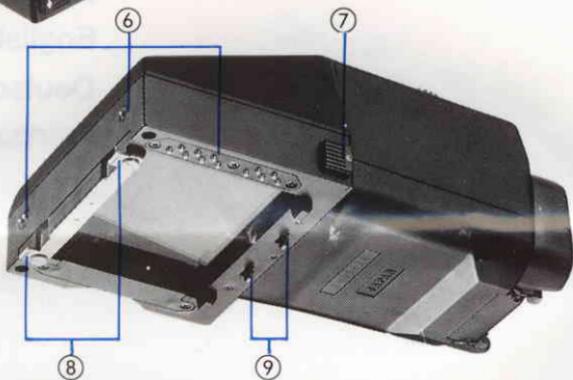
#### Name of Parts

- ① Eye-piece Blind Lever
- ② Metering Mode Selector
- ③ Exposure Compensation Dial Lock Release Button
- ④ Exposure Compensation Dial
- ⑤ Diopter Lens Mounting Frame
- ⑥ Electrical Contact
- ⑦ Lock Release Button
- ⑧ Attaching Latches
- ⑨ Attaching Pins

### Prism Finder N

This Finder Performs the same optical function as the AE Prism Finder N but does not have metering capability.

- ⑩ Eye-cup
- ⑪ Finder Window
- ⑫ Lock Button



## Special Features

1. The AE Prism Finder N is a roof prism design, providing an unreversed, laterally correct image and quartz-controlled aperture-priority auto exposure.
2. Three AE metering modes can be selected; Spot, Average, and Auto-Shift (automatic changeover from Spot to Average or vice-versa)
3. When using a manual shutter speed setting, the viewfinder will display proper exposure for 10 seconds thereby conserving battery consumption.
4. Three operations can be selected for exposure compensation: AE Lock, Exposure Compensation Dial ( $\pm 3$  Stops), and Metered Manual Exposure.

## Specification

**Viewfinder:** Both the Prism Finder N and AE Prism Finder N provide an unreversed, laterally correct image provided by roof prism design with image magnification of  $0.79 \times$  (with 80mm f/2.8 standard lens at infinity). There is also a built-in  $2.5 \times$  magnifier. (The following specification apply to the AE Prism Finder N.)

**AE Metering System:** Average (AV), Spot (SP), and Auto-Shift (AUTO A-S) for three way quartz-controlled aperture priority AE metering.

**Metering Range:** EV 1 (f/2.8, 4 sec.) to EV19 (f/16, 1/1000 sec.) with ISO/ASA 100 film and 80mm f/2.8 standard lens.

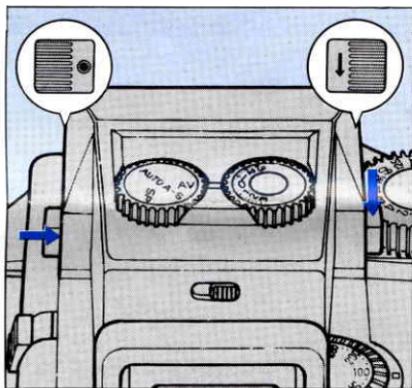
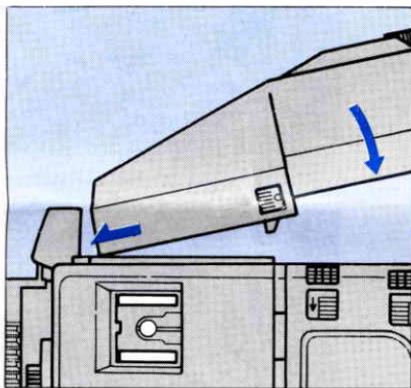
**Shutter Speed Range:** AE; 4 sec. – 1/1000 sec. (1/6 stop intervals)  
Manual; 4 sec. – 1/1000 sec. (full stop intervals)

**Exposure Compensation:**  $\pm 3$  Stops with click stops at 1/3 stop intervals.

**Viewfinder LED Display:** Flashing LED's indicate overexposure (OVER), underexposure (LT), and weak battery (shutter speeds). In metered manual mode, preselected shutter speed illuminates with flash. This display will be illuminated for only 10 seconds and will be automatically turned off to conserve battery consumption.

**AE Lock:** When the Shutter Speed Dial is set to " $\square$ " and Shutter Release Button is depressed halfway, the exposure reading is stored by the AE Prism Finder.

**Power Supply:** Camera body battery



## Removing and Attaching the Finder N

### Attaching

Insert two Attaching Latches at the front of the finder into the mounting holes at the front of the camera body as illustrated. Depress the finder until the rear of the finder clicks into place and is firmly secured.

### Removing

Push the Finder Lock Release Button (●) while pushing down the Button (↓) at the opposite side and lift it up.

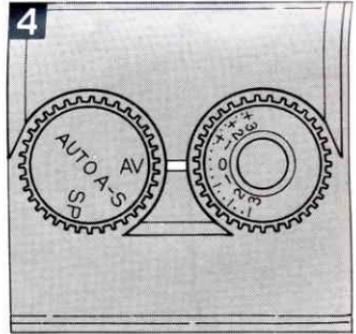
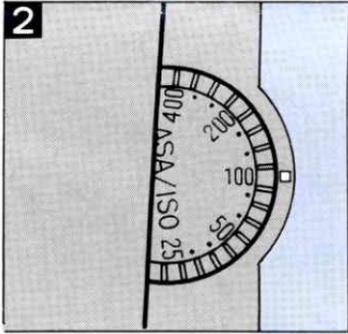
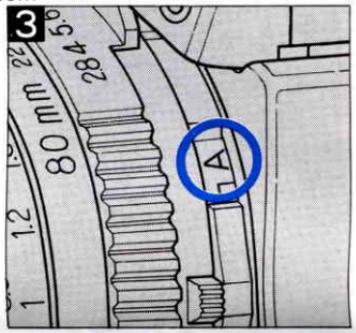
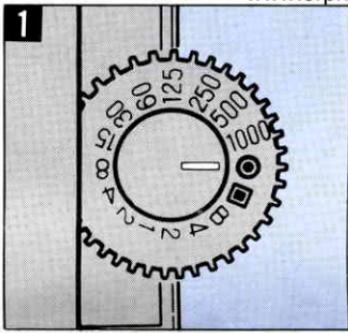
## Hints on Selecting the Metering Mode

1. When photographing a subject indoors by a bright window or outdoors against a bright sky or snow scape and using Averaged-metering, the bright background will unduly influence the meter reading, resulting in underexposure of subject. Under such conditions you can accurately expose for the subject without the adverse influence of the background by switching to the Spot-metering mode. For Spot-metering, use the circle in the center of the Focusing Screen as a reference point.

2. In a backlit situation when you wish to record the subject as a silhouette, use the Averaged-metering mode.

\* If the Key point of a subject is not in the center of the scene, adjust the Shutter Speed dial to "■" (AE Lock) and lock the metering value in the center. Now you can select your desired metering mode. (refer to AE Lock.)

3. In the Auto-Shift mode, if the area read by the Spot-metering system is more than 1 1/2 stops darker than the area read by the Averaged-metering system, the Spot-metering mode is automatically selected. When the area read by the Spot and Average metering systems are approximately equal, the Average-metering mode is automatically selected. When the area measured by the Spot-metering system is 0.75 – 1.5 EV (3/4 to 1 1/2 stops) darker than that measured by the Average-metering system. The AE Prism Finder N automatically selects an intermediate value, offering the equivalent of a center-weighted reading.



## How to Use AE Prims Finder N

### AE Photography

1. Set the Shutter Speed Dial of the camera body at the click-stop (●) which is the AE position. (Fig. 1)

2. Set the correct film speed on the Film Speed Dial of the film holder. (Fig. 2)

3. Before metering, check that the lens A.M. lever is set at "A". When it is set at "M", proper AE exposure cannot be obtained. (Fig. 3)

Also, check that Exposure Meter Coupler is engaged with the Aperture Ring Coupling Pin. If the are disengaged, the correct exposure cannot be obtained.

4. Set the Metering Mode Selector to "AV" for Averaged metering, "SP" for Spot metering, or "AUTO A-S" for AV-SP Auto-Shift metering. (Fig. 4)

\*An exposure measurement is mode of the entire field when the Metering Mode Slector is set to "AV". A selective spot reading is made of the central area when set to "SP".

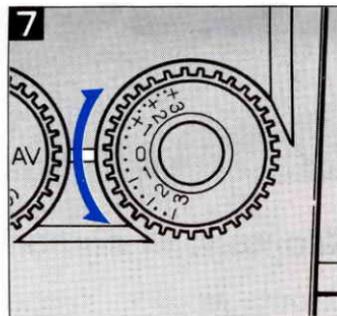
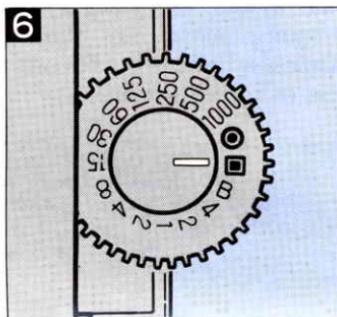
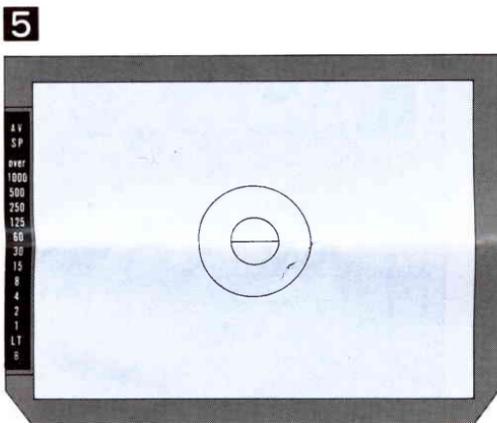
When set to "AUTO A-S", the exposure measurement system will automatically select Averaged or Spot metering, making accurate exposure reading in accor-

dance with the lighting situation.

5. After selecting the aperture, and depress the Shutter Release Button half way, LED's will illuminates in the viewfinder, indicating both the metering mode ("AV" or "SP") and the appropriate shutter speed for the preselected aperture.

### LED Display in the Viewfinder

- When "LT" is illuminates steadily, indicates corrects exposure of over one second, but no longer than four seconds
- When "OVER" is flickering quickly, indicates overexposure, and "LT" is flickering quickly, it indicates underexposure
- When using the qauto-Shift mode either AV or SP illuminates indicating which of the mode metring system has automatically been selected. AV and SP will illuminate at the same time if the are measured by the spot metering system i 3/4 to 1-1/2 stops darker than the are measured by the averaged metering system.
- If the display flickers slowly for an shutter speed value (2 times/seconds), indicates a weak battery. Please replace the batteries immediately. (Fig. 5)



## Exposure Correction

### 1. AE Lock

This procedure is highly effective for making an exposure measurement of the most important area of the subject. Although AE Lock can be used with either metering mode, it is most effective with Spot-metering.

Set the Shutter Speed Dial of the AE Prism Finder to the AE Lock position ("■"). To unlock the Shutter Speed Dial from the "●" and "■" position, depress the Lock Release Button and rotate dial to "■". (Fig. 6)

Next, while looking through the viewfinder, align the most important part of the subject within the circle in the center of the Focusing Screen and depress the Shutter Release Button halfway. As long as the Shutter Release Button is held halfway down, the exposure reading will be memorized. After adjusting the composition as desired, release the shutter.

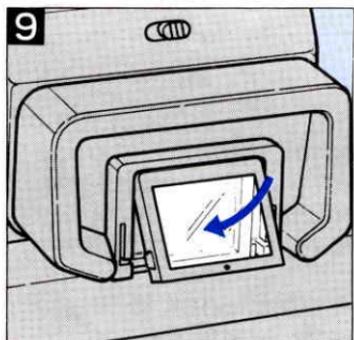
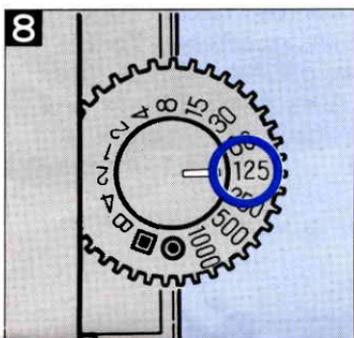
- Correct exposure cannot be obtained with the Remote Control Unit if the Shutter Speed Dial is set to the AE lock position.
- When using AE Lock, if the Shutter

Release Button is depressed all the way before the shutter speed readout illuminates in the viewfinder, incorrect exposure may result. Therefore, do not release the shutter until the shutter speed readout illuminates.

### 2. Exposure Compensation Dial

While pressing the Exposure Compensation Dial Lock Button located in the center of Exposure Compensation Dial, turn the dial to select the compensation value. for compensation, the dial stops at 1/3 stop click points from +3EV to -3EV. Turning the dial in the "+" direction increases the exposure (OVER), while turning it in "-" direction decreases the exposure (UNDER). This Exposure Compensation Dial is used for not only exposure compensation under special shooting conditions but also for special lighting techniques. (Fig.7)

- When the AE Prism Finder N is used with 300mm f/5.6 lens, be sure to compensate the exposure -1-1/3 EV by rotating the Exposure Compensation Dial. If the exposure is not compensated, a correct metering value cannot be obtained.



### 3. Metered Manual Exposure

When the Shutter Speed Dial is not in either AE position (●■), the metered manual mode is selected. When the Shutter Release Button is depressed halfway, the LED for the preselected shutter speed will glow steadily in the viewfinder. At the same time, the shutter speed that the metering system deems appropriate will flicker in the viewfinder. In order to obtain a proper exposure, adjust the lens Aperture Ring or turn the Shutter Speed Dial until there is only one shutter speed illuminated in the viewfinder. (Fig.8)

#### Dioptric Correction Lens (Fig. 9)

The viewfinder system is adjusted for the eyesight of the average person. It is therefore recommended that far-sighted and near-sighted person not wearing eyeglasses use a Dioptric Correction Lens. Six types of Dioptric Correction Lenses are available, offering  $\pm 3$  diopter correction. To insert the Dioptric Correction Lens insert the top of the Dioptric Lens Frame into the top frame of the eyecup. Now, press the bottom side to secure. To remove the Dioptric Correction Lens, push the bottom side upward.

### Caution

- Since TTL metering is employed, exposure correction is not required even when lens accessories are used which normally require exposure correction (such as a filters, Auto Extension Ring, bellows and macro lens).
- Extraneous light enters the viewfinder through the eye-piece window has an influence upon exposure metering. Hold your eyes at the eyecup securely to prevent light entering through the eye-piece window. When shooting without looking into the viewfinder, for example when using a remote control, close the Eye Blind Shutter to prevent light from affecting your exposure.
- The respective electric contact points located at the front and lower parts of viewfinder are very important for transmitting data used for AE Metering. In order to operate the AE Finder correctly, take special care to keep each electric contact clean. When attaching the finder wipe the surfaces of these electric contact points, using a soft clean cloth.
- When the camera is not in use, set the Shutter Release Selector at "OFF" (red circle).