

# α

**交換レンズ/**
*Interchangeable Lens/*
**Objectif interchangeable/**
**可更換鏡頭**

取扱説明書/*Operating Instructions/Mode d'emploi/Manual de instrucciones/*使用说明书

**70-200mm F2.8 G SSM II**

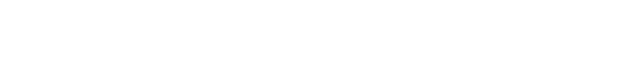
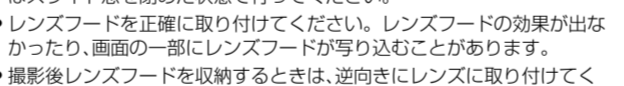
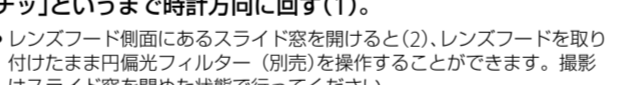
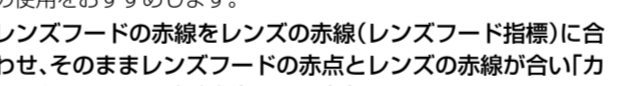
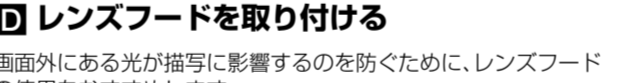
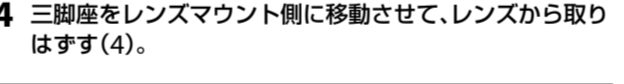
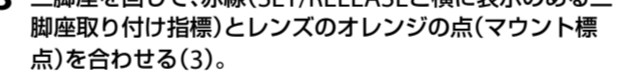
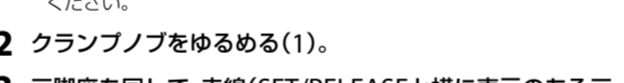
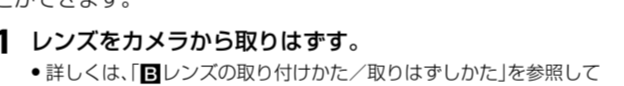
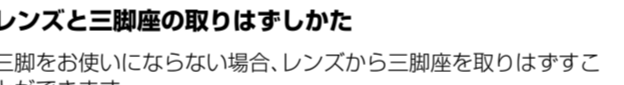
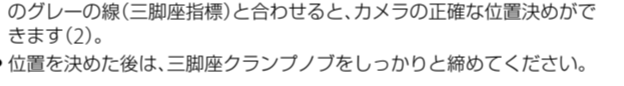
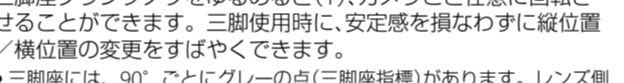
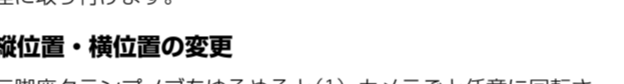
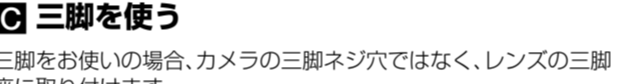
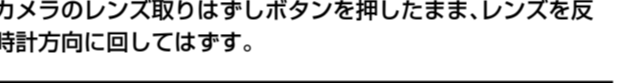
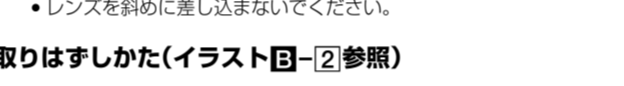
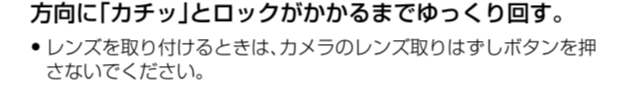
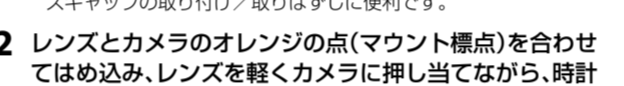
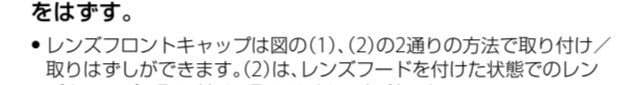
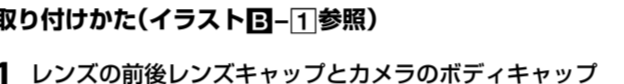
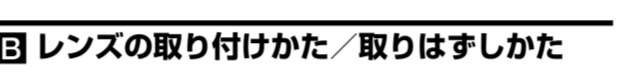
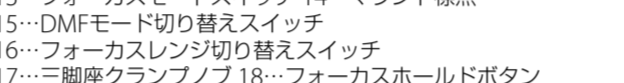
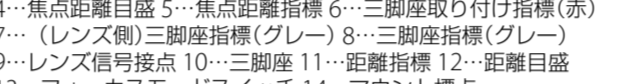
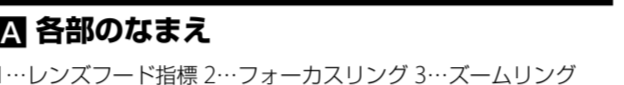
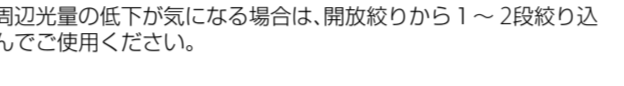
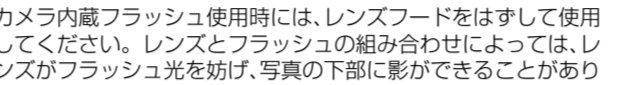
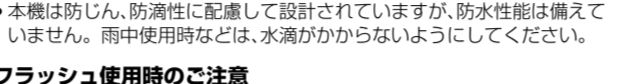
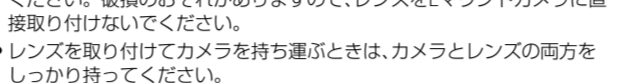
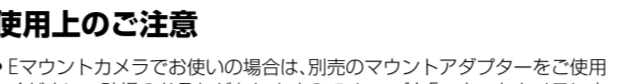
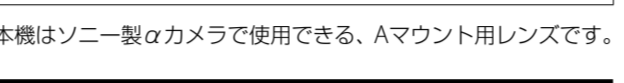
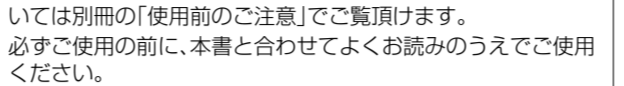
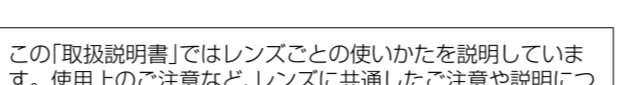
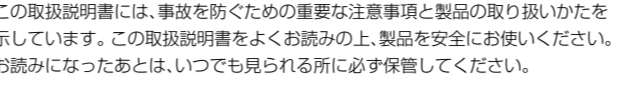
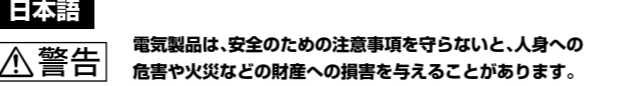
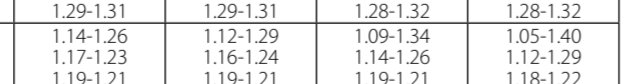
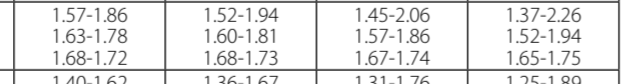
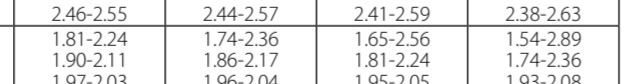
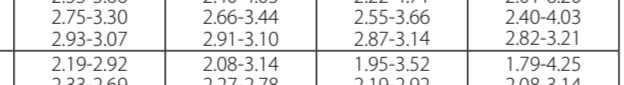
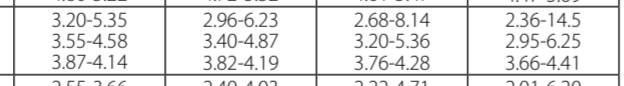
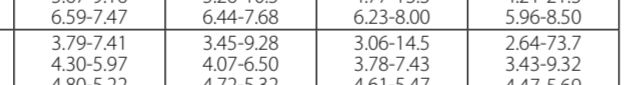
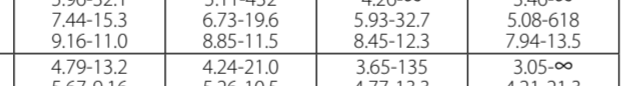
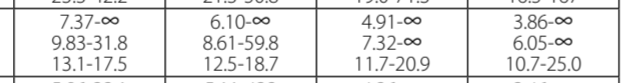
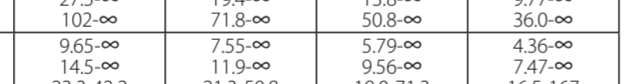
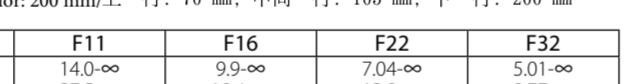
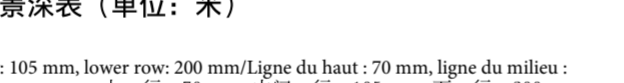
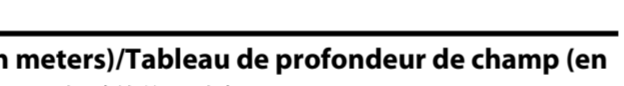
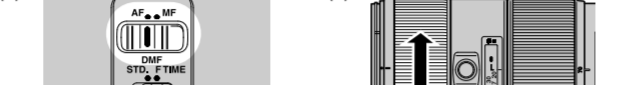
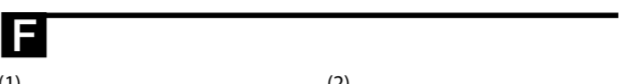
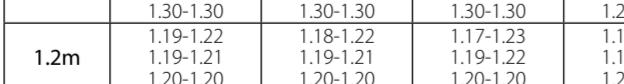
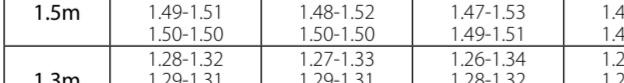
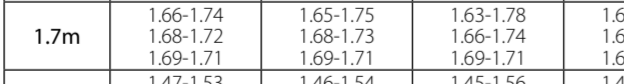
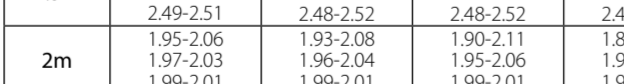
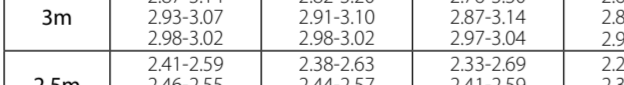
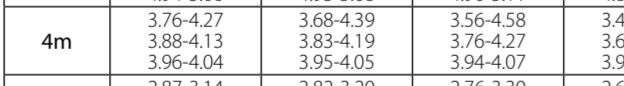
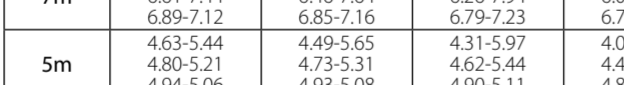
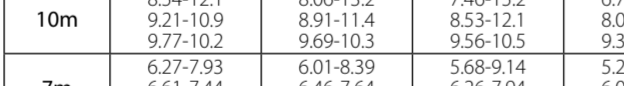
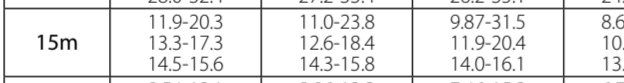
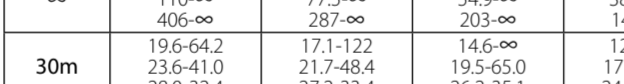
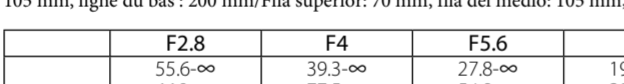
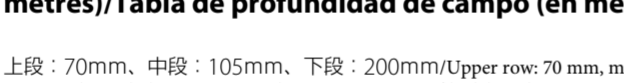
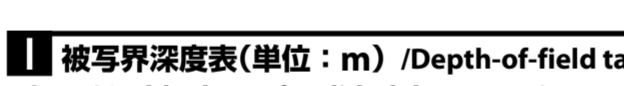
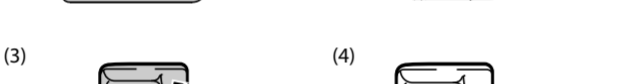
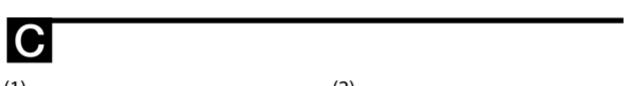
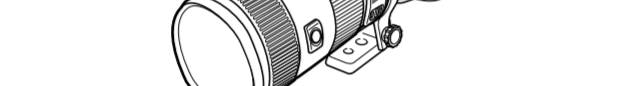
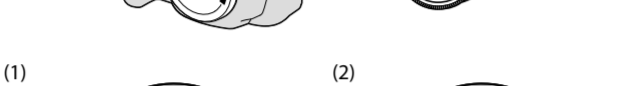
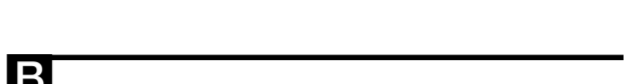
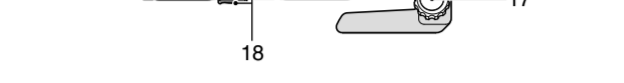
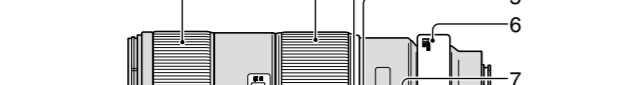
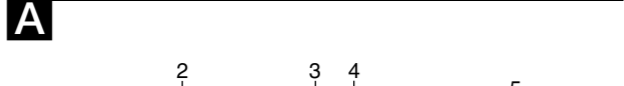
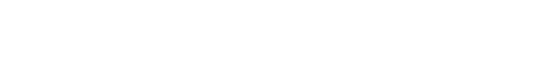
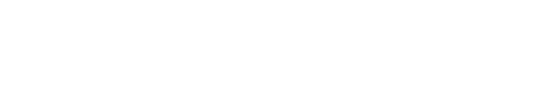
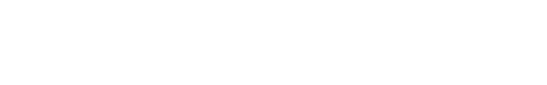
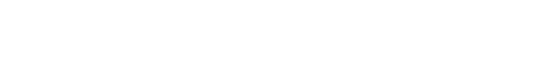
SAL70200G2



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### ズームする

ズームリングを回して、希望の焦点距離（ズームの位置）に合わせる。

### ピントを合わせる

### AF（オートフォーカス）／MF（マニュアルフォーカス）の切り替え

AF（オートフォーカス自動ピント合わせ）／MF（マニュアルフォーカス手動によるピント合わせ）の設定を、レンズ側で切り替えることができます。

AFで撮影する場合は、カメラ側とレンズ側両方の設定をAFにします。カメラ側あるいはレンズ側のいずれか一方、または両方の設定がMFの場合、MFになります。

#### レンズ側の設定

フォーカスモードスイッチを、AFまたはMFのいずれかが設定したい方に合わせる(1)。

- カメラのフォーカスモードの設定方法については、カメラの取扱説明書をご覧ください。
- MFではファインダー等を見ながらフォーカスリングを回して、ピントを合わせます(2)。

#### AF/MFコントロールボタンを装備したカメラをお使いの場合

- AF時にMFに切り替えるには、カメラとレンズ両方の設定がAFのときに、AF/MFコントロールボタンを押します。
- MF時にAFに切り替えるには、カメラの設定がMF、レンズの設定がAFのときに、AF/MFコントロールボタンを押します。

### ダイレクトマニュアルフォーカス(DMF)

AF撮影でも、シャッターボタンを半押ししている間にフォーカスリングを回すと、自動的にMFになり、ピントの微調整がすばやく手動でできます(DMF)。DMFを作動させるタイミングは、次の2つから選択します。DMFモード切り替えスイッチを合わせずれば設定したい方に合わせます。

### スタンダードDMF（STD.）

AF制御自動切り替え(AF-A)、またはシングルAF（AF-S）でフォーカスロックしているときに、フォーカスリングを回すとDMFが作動します。通常は、このモードの使用をお勧めします。

- 次の場合、スタンダードDMFは作動しません: コンティニュスAF（C）を選択した場合/ピントが合っていない場合 / AF-Aの連続撮影中2回目のピント合わせが終了したあと

### フルタイムDMF（F TIME）

AFのモード設定（AF-A/S/C）やピントの状態にかかわらず、シャッターボタンを半押ししているときに、フォーカスリングを回すとDMFが作動します。動きが速い被写体を撮影するとき効果を発揮します。

#### 無限遠の被写体をMFで撮影する場合

温度変化によるピントの移動を補正するため、無限遠(∞)位置に余裕を持たせてあります。無限遠の被写体をMFで撮影する場合は、ファインダー等を見ながら正確にピントを合わせてください。

### フォーカスホールドボタンを使用する

フォーカスホールドボタンが3箇所に配置されています。AF中にフォーカスホールドボタンを押すと、AFの駆動を止めることができます。ピントが固定され、そのまのピントでシャッターを切れます。シャッターボタンを半押しした状態で、フォーカスホールドボタンを離すと、AFが再開します。

- カスタム設定機能を搭載しているカメラでは、このボタンの機能を変更することができます。詳細はカメラの取扱説明書をご覧ください。

### フォーカスレンジ(AF駆動範囲)を切り替える

AFの駆動範囲を切り替えて、ピント合わせの時間を短縮できます。撮影距離が一定の範囲内に限られている場合に便利です。フォーカスレンジ切り替えスイッチで、**撮影距離範囲を選択**する。

- FULL：距離制限はありません。全域でAFが駆動します。
- ∞-3m：無限遠から3.0mまでAFが駆動します。

### 被写界深度表

上段は70mm、中段は105mm、下段は200mmの被写界深度を表します。

被写界深度表は35mm判カメラ用です。APS-Cサイズ相当の撮像素子を搭載したレンズ交換式デジタルカメラでは、被写界深度は浅くなります。

### 主な仕様

商品名(型名)	70-200mm F2.8 G SSM II (SAL70200G2)
35mm判換算焦点距離*1 (mm)	105-300
レンズ群一枚	16-19
画角1° <sup>2)</sup>	34°・12' 30"
画角1/2°	23°・48"
最短撮影距離*3 (m)	1.2
最大撮影倍率(倍)	0.21
最小絞り	F32
フィルター径(mm)	77
外形寸法(最大径×長さ)(約：mm)	87×196.5
質量(約：g)(三脚座別)	1,340

\*1 ここでの35mm判換算焦点距離とは、APS-Cサイズ相当の撮像素子を搭載したレンズ交換式デジタルカメラでの値を表します。

\*2 画角1は35mm判カメラ、画角1/2はAPS-Cサイズ相当の撮像素子を搭載したレンズ交換式デジタルカメラでの値を表します。

\*3 撮像素子から被写体までの距離を表します。

- このレンズは距離エンコーダーを搭載しています。距離エンコーダーにより、高精度な調光(ADI調光)をADI対応フラッシュとの組み合わせで実現しています。
- レンズの機構によっては、撮影距離の変化に伴って焦点距離が変化する場合があります。記載の焦点距離は撮影距離が無限遠での定義です。

同梱物：
レンズ(1)、レンズフロントキャップ(1)、レンズリヤキャップ(1)、レンズフード(1)、レンズケース(1)、印刷物一式
仕様および外觀は、改良のため予告なく変更することがあります。ご了承ください。

α および **G** はソニー株式会社の商標です。
その他、各社名及び各商品名は各社の商標または登録商標です。

### 日本語

You will find information on using each lens in this manual. Precautions common to lenses, such as notes on use will be found in "Precautions before using" on a separate sheet. Be sure to read both documents before using the lens.

This lens is designed for A-mount, which can be used on Sony α cameras.

### Notes on use

When using this lens with an E-mount camera, attach a separately sold Mount Adapter. Do not attach the lens directly to the E-mount camera or you may damage both.

- When you carry the camera with the lens attached, make sure to hold both the camera and the lens steadily.
- This lens is not water-proof, although designed with dust-proofness and splash-proofness in mind. If using in the rain etc., keep water drops away from the lens.

#### Precaution for flash use

When using a built-in camera flash, make sure to remove the lens hood. With certain of lens/flash combinations, the lens may partially block the light of the flash, resulting in a shadow at the bottom of the picture.

#### Vignetting

When you use lenses, the corners of the screen become darker than the center. To reduce this phenomena (called 'vignetting'), close the aperture by 1 to 2 stops.

### A Names of parts

1-Lens hood index
2--Focusing ring
3--Zooming ring
4--Focal-length scale
5--Focal-length index
6--Collar mounting index (red)
7--Lens index (gray)
8--Collar index (gray)
9--Lens contacts
10--Collar
11--Distance index
12--Distance scale
13--Focus-mode switch
14--Lens mounting index
15--DMF-mode switch
16--Focus-range limiter
17--Collar locking knob
18--Focus-hold button

### Attaching/detaching the lens

To attach the lens (See illustration **B-1**.)

- Remove the rear and front lens caps and the camera body cap.
  - You can attach/detach the lens front cap in two ways, (1) and (2). When you attach/detach the lens cap with the lens hood attached, use method (2).

- Align the orange dot on the lens barrel (mounting index) with the orange dot on the camera (mounting index), then insert the lens into the camera mount and rotate it clockwise until it locks.
  - Do not press the lens release button on the camera when mounting the lens.
  - Do not mount the lens at an angle.

To remove the lens (See illustration **B-2**.)

While pressing and holding the lens release button on the camera, rotate the lens counterclockwise until it stops, then detach the lens.

### Using the tripod

When using a tripod, attach it to the-mounting collar of the lens, not to the tripod receptacle of the camera.

### To change vertical/horizontal position

Loosen the collar-locking knob on the tripod-mounting collar (1) and rotate the camera either direction. The camera can be quickly switched between vertical and horizontal positions while maintaining stability when using a tripod.

- Gray dots (collar indexes) are located at 90° intervals on the tripod-mounting collar. Align a gray dot on the tripod-mounting collar with the gray line (collar index) on the lens to adjust the camera position precisely (2).
- Tighten the collar-locking knob firmly after the camera position is set.

#### To detach the tripod-mounting collar from the lens

The tripod-mounting collar can be detached from the lens when not using a tripod.

- Remove the lens from the camera.
  - See **B** Attaching/detaching the lens" for details.
- Loosen the collar-locking knob (1).
- Rotate the tripod-mounting collar to align the red line on the tripod-mounting collar (collar mounting index next to SET/RELEASE) with the orange dot on the lens (mounting index) (3).
- Move the tripod-mounting collar towards the lens mount and detach the tripod-mounting collar from the lens (4).

### Attaching lens hood

It is recommended that you use a lens hood to reduce flare and ensure maximum image quality.

Align the red line on the lens hood with the red line on the lens (Lens hood index). Turn the lens hood clockwise until the red line on the lens meets the red dot on the lens hood and it clicks into place (1).

- The polarizing filter window can be opened (2) to allow the rotation of the polarizing filter (sold separately) without having to remove the lens hood. Close the window when shooting.
- Attach the lens hood properly. Otherwise, the lens hood may interfere with the desired effect or may appear in pictures.
- When storing, turn over the lens hood and place it onto the lens backwards.

### Zooming

Rotate the zooming ring to the desired focal length.

### F Focusing

#### To switch AF (auto focus)/MF (manual focus)

The focus mode can be switched between AF and MF on the lens. For AF photography, both the camera and lens should be set to AF. For MF photography, either or both the camera and lens should be set to MF.

#### To set the focus mode on the lens

Slide the focus-mode switch to the appropriate mode, AF or MF (1).

- Refer to the camera manuals to set the focus mode of the camera.
- In MF, turn the focusing ring to adjust the focus (2) while looking through the viewfinder, etc.

#### To use a camera equipped with an AF/MF control button

- Press the AF/MF control button to switch AF to MF when both the camera and lens are set to AF.
- Press the AF/MF control button to switch MF to AF when the camera is set to MF and the lens is set to AF.

#### Direct manual focus (DMF)

The focus mode can be switched in AF to MF automatically if you rotate the focusing ring while pressing the shutter button halfway. This provides quick fine adjustment of focusing (DMF). Select the mode for correct DMF from the following. Set the DMF-mode switch to whichever you prefer.

### Standard DMF (STD.)

Rotate the focusing ring to set correct DMF when the focus is locked in AF-A (automatic auto focus) or AF-S (single-shot auto focus). Using this mode is recommended for normal subjects.

- DMF is not available in AF-C (continuous auto focus), when out of focus, or with continuous advance in AF-A after the second focus is confirmed.

#### Full-time DMF (F TIME)

In any AF mode (AF-A/S/C), rotate the focusing ring while pressing the shutter button halfway to set correct DMF. This is useful to catch a fast-moving subject.

#### Shooting at infinity in MF

The focusing mechanism turns slightly past infinity to provide accurate focusing under various operating temperatures. Always confirm the image sharpness through the viewfinder, etc., especially when the lens is focused near infinity.

### Using focus-hold buttons

This lens has 3 focus-hold buttons. Press the focus-hold button in AF to cancel AF. The focus is fixed and you can release the shutter on the fixed focus. Release the focus-hold button while pressing the shutter button halfway to start AF again.

- The function of the focus-hold button can be changed on cameras with custom function capability. Refer to the camera manuals for details.

### Switching focus range (AF range)



