

Nikon



Teleconverters TC-201/TC-301 テレコンバーター TC-201S/TC-301S



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Features

Full-frame 35mm-format FX-DX1 and FX-DX2 are powerful digital cameras, resulting between the camera body and the lens to create the precise and effective focus/light with a built-in focus in effective aperture. After integrated Contrast AF is applied to lens elements to reduce ghost images and improve color rendition. FX-DX1 provides optimum performance with a type A lens of 28mm or less. FX-DX2 is suitable for all types of lens of almost all ranges.

Specifications

	FX-DX1	FX-DX2
Lens construction	7 elements in 6 groups	8 elements in 6 groups
Focal length	Constant f/2.8 throughout zoom range (as standard)	Constant f/2.8 throughout zoom range (as standard)
Aperture coupling range	F12 - F12	F12.5 - F12.5
Effective aperture	F11 - F11	F11.5 - F11.5
Shooting	Automatic Aperture coupling provided	Automatic Aperture coupling provided
Exposure measurement	16 full aperture method, auto coupling incorporated for zoom lens	16 full aperture method, auto coupling incorporated for zoom lens
Reproduction ratio	Constant f/2.8 throughout	Constant f/2.8 throughout
Depth of field	1/200th of lens in use	1/200th of lens in use
Minimum focusing distance	Same as f/2.8 lens in use	Same as f/2.8 lens in use
Mount	Mini-Mount Mount	Mini-Mount Mount
Dimensions	Approx. 66.5mm dia. x 121mm extension from flange (12mm long barrel)	Approx. 66.5mm dia. x 126mm extension from flange (12mm long barrel)
Weight	Approx. 230g	Approx. 250g

Operation

Connecting lens and teleconverter

Full-frame 35mm-format teleconverter is dependent on the lens aperture value in the lens is applied with the lens coupling mode on the teleconverter. After auto coupling incorporating of the lens, turn the lens coupling mode switch on a single operation.

To release: While depressing the teleconverter button on the teleconverter, incorporate the aperture ring of the lens, turn the teleconverter coupling mode switch on a single off.

Mounting on the camera body

Full-frame 35mm-format teleconverter is dependent on the camera body mount and the camera mounting mode on the teleconverter is applied with the lens coupling mode on the teleconverter. After incorporating the aperture ring of the lens on the teleconverter, turn the lens teleconverter assembly mounting mode switch on a single on position.

1. When coupling of teleconverter auto coupling teleconverter, turn the lens teleconverter auto coupling mode switch on a single on position (or incorporate the lens (f/2.8) type, "manual" maximum aperture coupling completed). In this case, refer to the camera's instruction manual.

To release: While depressing the teleconverter button on the camera body, incorporate the aperture ring of the lens on the teleconverter, turn the teleconverter assembly coupling mode switch on a single off.

- (c) **Use an F4/F4a camera body** – determine exposure by metering aperture-metric. Only aperture priority and manual exposure modes can be used. Use, with the following camera, some exposure compensation is required (See table below)

F4 series cameras with TC-001 (when offloading DP-BI Index)

Lens	Compensation	
	Matrix Metering (Center Weighted Metering)	Spot Metering ¹
When F4.0 Spot Metering ²	+1/3	+1/3
SP-Cover F4.0 When F4.0 Spot F4.0 When F4.0	0	-1/3

- ¹ Note: Matrix or Center Weighted Metering, to compensate exposure when offloading camera's exposure compensation.
- ² Note: Spot Metering, compensate exposure using the F4.0 spot (Matrix) exposure compensation (0) on the camera body.
- ³ Because it sets the numerical value for exposure compensation in the lens for using camera's auto shot. Some lens/camera combinations require exposure compensation.

(d) **When using F4 type camera bodies equipped with TTL metering systems, e.g. Canon F4/F4a Photonic, (Maximum F4.0, F4.0), exposure is determined only by the stop compensation. (For details, refer to the camera's instruction manual.)**

(e) **When the lens is used with either F.40/4000 or F.40/4000, the camera meter coupling function does not operate and the exposure indicator (E) is lit again.**

(f) **When using cameras without TTL metering, e.g. Nikon[®] Photonic, it is handled exposure meter, compensation using an exposure factor 1 will be necessary when calculating the correct exposure.**

Accessories

	TC-001	TC-001
Required	Exposure cap (F-1A) Red filter cap (F-1)	Front lens cap (F-1) Red filter cap (F-1)
Optional	Flash attachment No. 01 Red filter cap (F-1, 00) Flash lens cap (F-1)	Flash attachment No. 02 Red filter cap (F-1, 00) Flash lens cap (F-1)

Tablemounting note

- Always keep the microscope's lens surface clean as that is a vital optical interface with image/eyepiece. Use a soft brush-cloth (soft) or tissue to remove dust. Stubborn particles should be wiped with lens tissue moistened with alcohol or lens cleaner.
- Attach both the front and rear eyepieces to the binoculars in order separately. Also, change it one of the various optical modes of the microscope for the tablemounting.

各圖名稱

- (1) 2英寸 x 4吋鋼板孔口
- (2) 1.5吋鋼板圓邊鋼板
- (3) 鋼板中鋼筋孔口
- (4) 鋼板中鋼筋孔口

Reference

- (1) 4-inch x 4-inch plate
- (2) 1.5-inch plate
- (3) 4-inch plate
- (4) 4-inch plate

