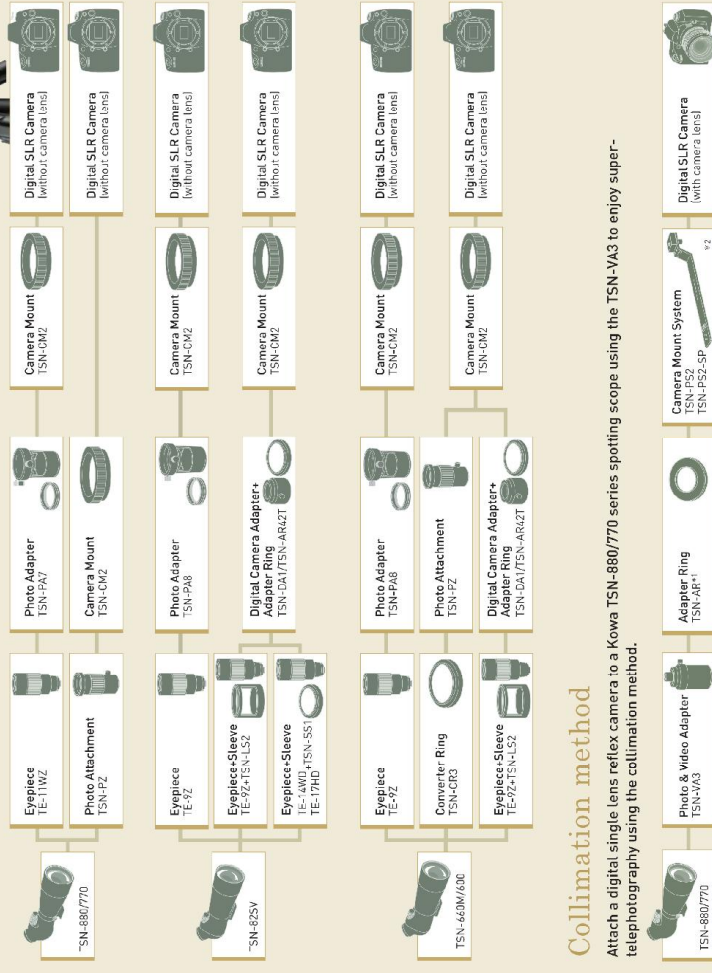


Digiscoping/Videoscoping System Chart

Super-Telephotography with a Single Lens Reflex Camera

Attach a 35mm film single lens reflex camera or digital single lens reflex camera to a Kowa spotting scope for super-telephotography.



Collimation method

Attach a digital single lens reflex camera to a Kowa TSN-880/770 series spotting scope using the TSN-VY3 to enjoy super-telephotography using the collimation method.

¹ In some cases, step-up or step-down rings may be necessary.

² The TSN-DA3 or TSN-DA3st may also be used instead of the TSN-PA2/PS2-SP.

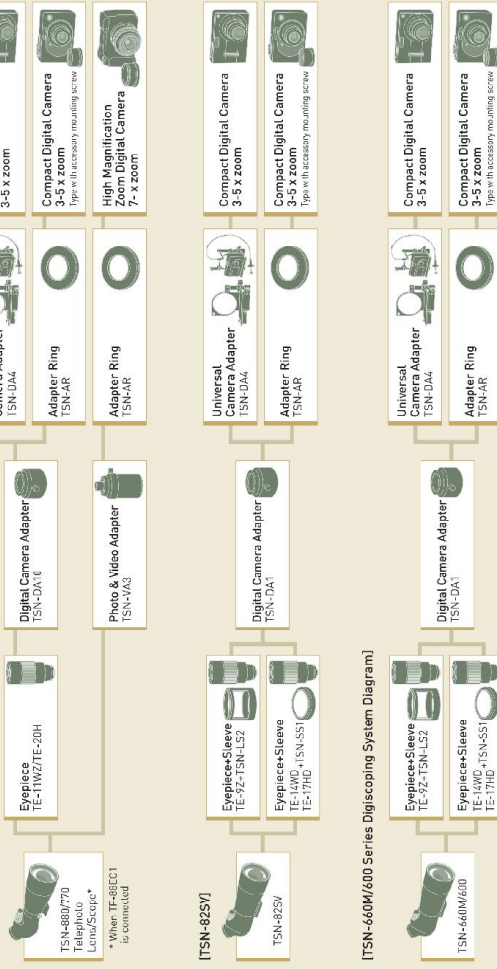
³ For carrying out collimation photographing using digital SLR cameras, inner focusing camera lenses should be used.

⁴ Further, care will be required depending on the model area in some cases the auto-focus function may not be used or vignetting may occur.

Compact Digital Camera Digiscoping System Diagram

Attach a compact digital camera to a Kowa spotting scope for Super-telephotography.

[TSN-880 Series, Telephoto Lens/Scope Digiscoping System Diagram]



Super-Telephoto Video

Super-telephoto video by connecting a video camera to a spotting scope.

[Video Camera Mounting System Diagram]

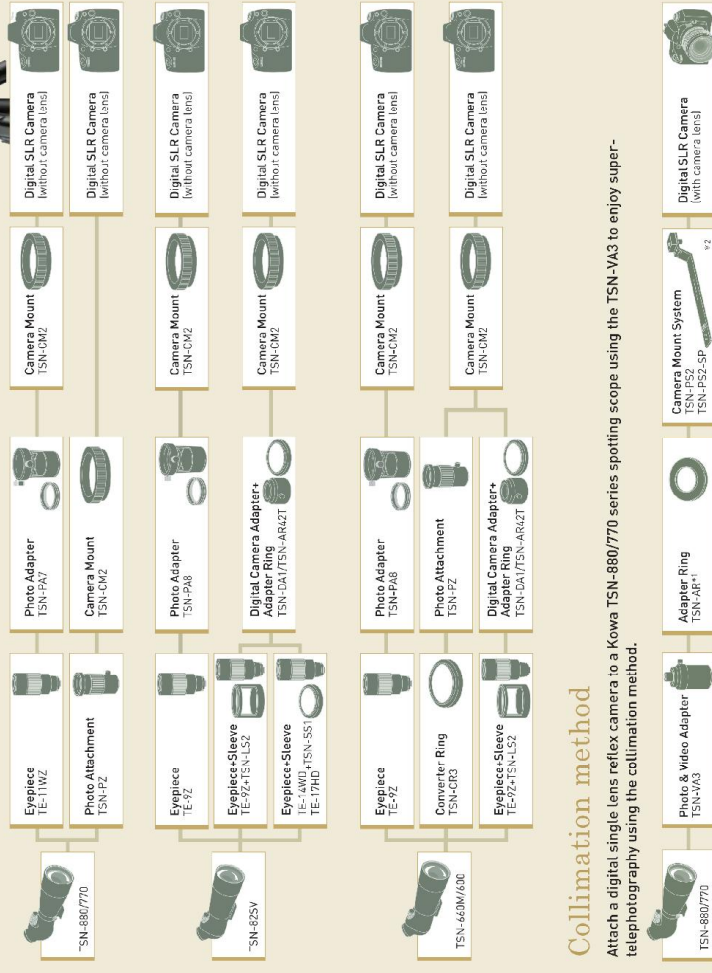


*When TP-88EC1 is connected



Super-Telephotography with a Single Lens Reflex Camera

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³ For carrying out collimation photographing using digital SLR cameras, inner focusing camera lenses should be used.

⁴ Further, care will be required depending on the model area in some cases the auto-focus function may not be used or vignetting may occur.

TSN-DA3/TSN-DA3st Mounting a Digital Camera/Video Camera

The TSN-DA3/TSN-DA3st can be used with cameras that meet the following criteria:

Spotting Scope	TSN-880/770	TSN-825V	TSN-660W/600	TSN-600/503
Spotting Scope	TSN-880/770	TSN-825V	TSN-660W/600	TSN-600/503
Spotting Scope	TSN-880/770	TSN-825V	TSN-660W/600	TSN-600/503
A	to 160mm ¹	to 155mm ¹	to 155mm ¹	to 155mm ¹
B	to 160mm ¹	to 155mm ¹	to 155mm ¹	to 155mm ¹
C	to 160mm ¹	to 155mm ¹	to 155mm ¹	to 155mm ¹

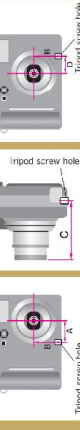
Spotting Scope	TSN-880/770	TSN-825V	TSN-660W/600	TSN-600/503
Spotting Scope	TSN-880/770	TSN-825V	TSN-660W/600	TSN-600/503
A	to 170mm ¹	to 165mm ¹	to 165mm ¹	to 165mm ¹
B	to 170mm ¹	to 165mm ¹	to 165mm ¹	to 165mm ¹
C	to 170mm ¹	to 165mm ¹	to 165mm ¹	to 165mm ¹

¹ As the value for A increases, the value for B decreases. The maximum values for A and B are shown.

² The values in () apply when the TSN-DA3-4-D (sold separately) is used.

TSN-DA4 Compatibility

The TSN-DA4 universal camera adapter can be used with cameras that meet the following criteria.



A. The distance between the center of the tripod mount and the center of the lens.

B. The distance between the center of the tripod mount and the base of the camera.

C. The distance between the center of the tripod mount and the front of the lens.

D. The distance between the center of the tripod mount and the center of the lens.

Locking mechanisms ensure safe operation.



A. The distance between the center of the tripod mount and the center of the lens.

B. The distance between the center of the tripod mount and the base of the camera.

C. The distance between the center of the tripod mount and the front of the lens.

D. The distance between the center of the tripod mount and the center of the lens.

Locking mechanisms ensure safe operation.