WILSONWERKS ARCHIVES

CPC

COMBINED PRODUCTS CORPORATION

INSTRUCTIONS

Phase 2

Wide Angle & Telephoto Lenses

Phase 2 — 24mm NDC, 28mm MACRO, 135mm MACRO, 200mm lenses

(1) **Accessory/Filter Thread.** For threaded accessories such as filters and lens hoods.

(2) **Built-in Lens Hood.** (135mm lens only) slide out to prevent harsh light from entering front of lens.

(3) **Focus Ring.**

(4) **Distance Scales.** The green scale shows distance in feet, the white scale indicates distance in meters.

(5) **Infrared Index Mark.** Infrared film focuses on a different plane than light. When using this type of film, focus normally, then move the distance setting from the Distance Index Mark to the Red Infrared Index line.

(6) **Distance and Aperture Index Mark.**

(7) **Depth of Field Scale.**

(8) **Aperture Ring and Scale.**

(9) **Lens Mount.** Your new lens is designed to fit your camera with ease and precision. Simply mount the lens as you would your normal lens.

Automatic Diaphragm Control

The automatic diaphragm of your lens allows you to focus and compose your pictures with the diaphragm "wide open" (at maximum aperture). It will automatically stop down to the preselected aperture at the moment of exposure and immediately re-open as the exposure is completed.

NOTE: Universal Thread Mount lenses have an "Auto/Manual Switch" located on the lens mount. This switch must be set to the "A" (auto) position for Automatic Diaphragm Control. In the "M" (manual) position, the diaphragm opens and closes as the Aperture Ring is turned.

NOTE: **24mm NDC Feature**

The CPC Phase 2 24mm lens incorporates a special feature, not found in most ultra wide-angle lenses, called NDC (Near Distance Compensator). By automatically shifting specific element groups during focusing, this feature effectively sharpens picture resolution at the edges and minimizes distortion when focusing on subjects near to the camera.

EE Coupled Lenses

Canon: Canon Mount lenses have a click stop at the green "O" or "A" for EE operation. The Aperture Ring may be set and removed from this position in the same manner as selecting a specifically marked f-stop.

Minolta: On Minolta Mount lenses the minimum aperture setting (f16 or f22) is engraved in green. When using this lens in the shutter priority mode (on Minolta cameras having this feature) the lens must be set at this minimum aperture position.

Lens Care

1. It's a good idea to keep a Skylight 1A or UV filter on your lens at all times to protect the front element from fingerprints and scratches.

2. Keep your lens dust free by making sure both the front and rear lens caps are in place when it's not in use.

3. Clean your lens only when necessary, using only tissues, brushes, cleaners, etc. made specifically for photographic lenses. Never rub the lens surface with your finger, clothing or any other abrasive material.

4. Always store your lens in a cool, dry place. In humid weather, it's best to store it with the supplied packet of silica gel.

Specifications	**24mm NDC**	**28mm MACRO**	**135mm MACRO**	**200mm**
Optical Construction: (Elements-Groups)	8-7	8-7	4-4	6-6
Angles of Acceptance:	84°	75°	18°	12°
Aperture Range:	f/2.8-22	f/2.8-22	f/2.8-22	f/3.3-16
Minimum Focusing Distance:	12 in. (0.3m)	8 in. (0.2m)	3 ft. (0.95m)	6 ft. (1.8m)
Maximum Barrel Diameter:	2.5 in. (63mm)	2.5 in. (63mm)	2.5 in. (63mm)	2.6 in. (66mm)
Length at Infinity:	1.5 in. (39mm)	1.6 in. (41mm)	3.0 in. (76mm)	4.4 in. (110mm)
Weight:	8 oz. (205g)	7.7 oz. (216g)	11.9 oz. (336g)	17.3 oz. (488g)
Coating:	Multicoating	Multicoating	Multicoating	Multicoating
Accessory/Filter Size:	52mm	52mm	52mm	62mm

Specifications subject to change without notice.
Weights and lengths vary slightly depending on lens mount.

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