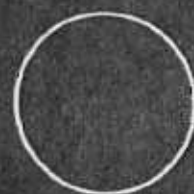


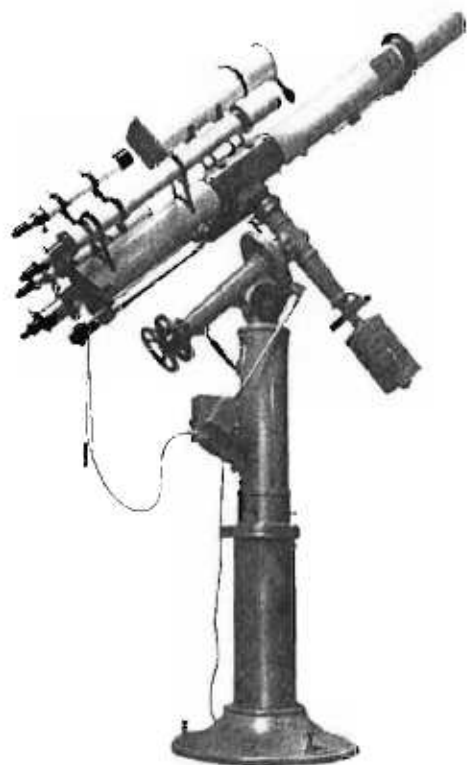
PARTIAL

GUIDE BOOK OF
JAPANESE
OPTICAL
PRECISION
INSTRUMENTS



1973—1974

TELESCOPES

**GOTO 15 CM EQUATORIAL REFRACTOR****GOTO OPTICAL MFG. CO.**

Magnification: 56X-562X

Diameter of Objective: 152 mm

Focal Length of Objective: 2,250 mm

Eyepieces: Or. 4 mm, 6 mm, 9 mm

MH 12.5 mm, 18 mm, 25 mm, K 40 mm

Mount: Equatorial Mount on iron pedestal

Accessories: Eyepieces, Finder-telescope (50 mm Ap., 12.5X), Herschel Prism, Star Diagonal Prism, Sunglasses, Moonglass, Crystal Oscillator, Sun Projection Screen, Star Spectroscope, Triple Turret Eyepiece Holder, Case for optical parts, Vinyl instrument cover and Tools.

Weight:

Telescope: 152 kg

Pedestal: 335 kg

Length: 2,500 mm

Height: 2,200 mm

**ROYAL R-102 EQUATORIAL REFRACTOR****ASTRO OPTICAL IND. CO., LTD.**

Magnification: 40X, 64X, 133X, 267X, 400X

Diameter of Objective: 108 mm

Focal Length of Objective: 1,600 mm

Eyepieces: Or. 4 mm, Or. 6 mm, K 12 mm, K 25 mm, AH 40 mm

Mount: Equatorial mount with clock drive on metal pedestal stand.

Accessories: 2 Star finders (5 x 30 mm, 25 x 50 mm), Star diagonal prism,

Sun diagonal prism, 2 Sun filters, Moon filter, Sun projection screen.

Weight:

Telescope: 15.0 kg

Pedestal: 66.0 kg

Length: 1,700 mm

Height: 2,750 mm

TELESCOPES



**POLAREX AND UNITRON ASTRONOMICAL
TELESCOPE, REFRACTING TYPE**
NIHON SEIKO KENKYUSHO, LTD.

Magnification: 25X~250X
 Diameter of Objective: 100 mm
 Focal Length of Objective: 1,500 mm
 Eyepieces: 6, 7, 9, 12.5, 18, 25, 40, 60 mm
 Mount of Tripod: Photo Equatorial Refractor Pier Model
 Accessories: Guide telescope (D 60 mm, F 700 mm), Weight driven clock drive, Astrocamera, Viewfinder 10X 40 mm, Star diagonal, sunglass, Erecting prism, Sun projection apparatus, Solar aperture diaphragm, Special mechanism, objective lens centering adjuster.
 Weight
 Telescope: 25 kg
 Pedestal: 87 kg
 Length: 1,700 mm
 Height: 2,750 mm



NIKON 8CM REFRACTOR
NIPPON KOGAKU K.K.

Main Telescope
 Diameter of Objective: 80 mm (3")
 Focal Length of Objective: 1,200 mm
 Resolving Power: 1.5"
 Eyepieces:
 Orthoscopic: 6-7, Huygenian: H-12.5, H-25
 Magnification: 48X~171X
 Finder Telescope
 Diameter of Objective Aperture: 18 mm
 Magnification: 6X
 View Field: 8°
 Mount: Equatorial mount with tripod
 Other Standard Accessories: Diagonal prism, sun glass, sun projector, mount cover, wooden cabinet.
 Dimensions
 Length: 1,400 mm
 Height with tripod: 1,700 mm
 Weight
 Telescope: 4.4 kg
 Mount with Tripod: 17.3 kg
 Cabinet: 8.1 kg

TELESCOPES

**TOWA MODEL ET8****TOWA OPTICAL MFG. CO., LTD.**

Magnification: 60X~400X

Diameter of Objective: 80 mm

Focal Length of Objective: 1,200 mm

Eyepieces: HM 6, HM 9, HM 12.5, AH 20

Mount: Equatorial mount with tripod

Accessories: Star diagonal prism, Erecting prism, Sun filter, Moon filter, 6 x 30 mm Finder scope, 2X Barlow lens, Sun projection screen, Accessory tray with Illuminator

Weight

Telescope: 2.8 kg

Tripod: 8.1 kg (including mount)

Length: 1,100 mm

Height: 1,620 mm

**GOTO 6.5CM EQUATORIAL REFRACTOR****GOTO OPTICAL MFG. CO.**

Magnification: 40X~167X

Diameter of Objective: 65 mm

Focal Length of Objective: 1,000 mm

Eyepieces: MH 6 mm, MH 12.5 mm, MH 25 mm

Mount: Equatorial Mount on Wooden Tripod

Accessories: Eyepieces, Finder-telescope (18 mm Ap., 6X), Diagonal Prism, Sunglass, Camera Attachment, Sun Projection Screen, Objective Stop for Solar Observation, Case for optical parts, Vinyl instrument cover

Weight

Telescope: 11.2 kg

Tripod: 15.9 kg

Length: 1,400 mm

Height: 1,310 mm

**ASAHI PENTAX TELESCOPE**

ASAHI OPTICAL CO., LTD.

Magnification: 60X, 89X, 133X
 Diameter of Objective: 60 mm
 Focal Length of Objective: 800 mm
 Eyepieces: B 6 mm, H 9 mm, H 12.5 mm
 Accessories: 5X finder with 18 mm in diameter, Erecting prism
 Diagonal prism, Sunglass, Case

Weight

Telescope: 10.6 kg (with tripod)
 Length: 790 mm
 Height: 1,670 mm (with tripod)

**CARTON ASTRONOMICAL TELESCOPE
MODEL NO. 619**

CARTON OPTICAL INDUSTRIES, LTD.

Magnification: Optional
 Diameter of Objective: 60 mm
 Focal Length of Objective: 910 mm
 Eyepieces: Optional
 Mount: Equatorial Mount

Accessories: 6×30 Finderscope, Diagonal Prism, Erecting Prism, Sun
 Projection Screen, Sun Glass, Barlow Lens, Optional accessories, (Auxiliary
 Balance Weight, Camera Adapter, Camera Mount, Dual viewer eyepiece,
 Illuminator)

Weight Telescope: 12 kg Tripod: 13 kg
 Length: 1,200 mm Height: 1,600 mm

**CARTON ASTRONOMICAL TELESCOPE
MODEL NO. 610**

CARTON OPTICAL INDUSTRIES, LTD.

Magnification: Optional
 Diameter of Objective: 60 mm
 Focal Length of Objective: 1,000 mm
 Eyepieces: Optional
 Mount: Yoke Type Altazimuth with fine adjustment
 Accessories: 5×24 Finderscope, Metal Field tripod, Diagonal Prism,
 Erecting Prism, Sun Filter, Moon Filter, 2X Barlow Lens.

Weight

Telescope: 4 kg
 Tripod: 6 kg
 Length: 1,200 mm Height: 1,500 mm

**TOWA ET2**

TOWA OPTICAL MFG. CO., LTD.

Magnification: 41X-450X
 Diameter of Objective: 60 mm
 Focal Length of Objective: 900 mm
 Eyepieces: SR 4 mm, HM 9 mm, K 22 mm
 Mount: Equatorial mount with tripod

Accessories: Star Diagonal Prism, Erecting Prism, 2X Barlow Lens, Sun
 Glass, Moon Glass, 10×60 mm TTD (Through The Objective) System
 Finder Scope Sun Projection Screen, Accessory Tray w/ Illuminator

Weight

Telescope: 1.2 kg Tripod: 5.6 kg (including mount)
 Length: 815 mm
 Height: 1,500 mm

TELESCOPES


ASAHI PENTAX TELESCOPE
ASAHI OPTICAL CO., LTD.

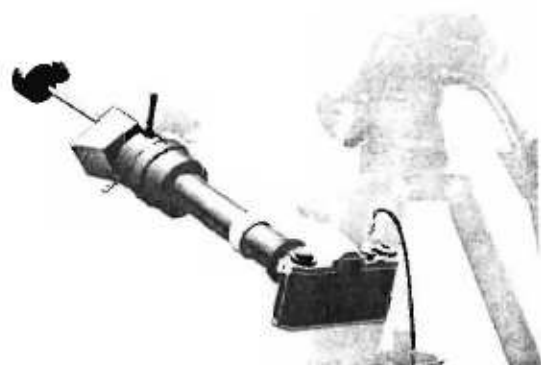
Magnification: 50X
 Diameter of Objective: 50 mm
 Focal Length of Objective: 600 mm
 Eyepieces: 12.5 mm
 Weight
 Telescope: 2.22 kg (with metal tripod.)
 Length: 600 mm
 Height: 400 mm (with tripod)


ASAHI PENTAX TELESCOPE
ASAHI OPTICAL CO., LTD.

Magnification: 30X
 Diameter of Objective: 40 mm
 Weight: 930 g (with metal tripod.)
 Length: 610 mm
 Height: 290 mm


TOWA MODEL RET45
TOWA OPTICAL MFG. CO., LTD.

Magnification: 46X-300X
 Effective aperture of main mirror: 114 mm (4.5")
 Focal Length: 900 mm
 Eyepieces: H 6 mm, H 20 mm
 Mount: Equatorial mount with tripod
 Accessories: Sun filter, 5-24 mm Finder scope, Accessory tray
 Weight
 Telescope: 2.3 kg
 Tripod: 6.8 kg (including mount)
 Length: 885 mm
 Height: 1,570 mm


GOTO SOLAR PROMINENCE ADAPTOR
GOTO OPTICAL MFG. CO.

Object: Solar prominence observation
 Center Wave Length: 6563A (H α)
 Half Band Width: 4A
 Transmission Ratio: Approx. 55%
 Prism: 15 Herschel type
 Field Lens: Achromatic $f=70$ mm, $D=25.5$ mm
 Eyepiece: Kellner 26 mm Field of View 45
 Meidler Telescope: Suitable for 2 $\frac{1}{2}$ "-4" F. 15 Refractors.


FUJI MEIBO 25X150 WATER PROOF
FUJI PHOTO OPTICAL CO., LTD.

Focusing: Individual
 Magnification: 25X
 Diameter of Objective: 150 mm
 Field of View at 1,000 meters: 47.13 m (2.7)
 Exit Pupil: 6 mm
 Relative Brightness: 36
 Desiccant: Housed in the Body
 Reticle: Available upon Request
 Weight: 27,500 g
 Height: 175 mm
 Width: 480 mm


KOWA 12CM COIN-OPERATED OBSERVATION
BINOCULAR
KOWA CO., LTD.

Type: Straight Type
 Diameter of Objective: 120 mm
 Magnification: 20X
 Field of View: 3
 Exit Pupil: 6 mm
 Diopter Adjustment: -10, Fixed
 Weight: 62.7 kg with conical stand
 Length: 765 mm
 Width: 434 mm
 Mount: York type rigid mount
 Height: 1,300 mm with conical stand


KOWA 12CM OBSERVATION BINOCULAR
KOWA CO., LTD.

Type: Straight Type
 Diameter of Objective: 120 mm
 Magnification: 20X
 Field of View: 3
 Exit Pupil: 6 mm
 Diopter Adjustment: -2~-4
 Weight: 49.4 kg with tripod
 Length: 714 mm
 Width: 473 mm
 Mount: York type rigid mount with azimuth scale (depression 20', elevation 50', minimum scale 1 mil) and rotation scale (360', minimum scale 1')
 Height: 1,400 mm with tripod

**NIKON 20 × 120 OBSERVATION BINOCULAR TELESCOPE****NIPPON KOGAKU K.K.**

Type: Binocular; straight eyepiece type
 Diameter of Objective: 120 mm (4 $\frac{13}{16}$ ")
 Magnification: 20X
 Field of View at 1,000 meters: 52 m (3')
 Exit Pupil: 6 mm
 Relative Brightness: 36
 Diopter Adjustment: -2 ~ 0 ~ +4 dptr.
 Weight: Telescope 17 kg
 Stand 17 kg
 Length: 692 mm
 Width: 474 mm

**FUJI MEIBO 15 × 80****FUJI PHOTO OPTICAL CO., LTD.**

Focusing: Individual focusing
 Magnification: 15X
 Diameter of Objective: 80 mm
 Field of View at 1,000 meters: 70 m (4')
 Exit Pupil: 5.3 mm
 Relative Brightness: 28
 Desiccant: Housed in the Body
 Reticle: Available upon Request
 Weight: 9,700 g with Mount
 Height: 612 mm
 Width: 233 mm

**NIKON 15 × 80 OBSERVATION BINOCULAR TELESCOPE****NIPPON KOGAKU K.K.**

Type: Binocular; straight eyepiece type
 Diameter of Objective: 80 mm (3 $\frac{1}{8}$ ")
 Magnification: 15X
 Field of View at 1,000 meters: 70 m (4')
 Exit Pupil: 5.3 mm
 Relative Brightness: 28
 Diopter Adjustment: -2 ~ 0 ~ +4 dptr.
 Weight: Telescope 8 kg
 Stand 6 kg
 Length: 498 mm
 Width: 220 mm

**POLAREX AND UNITRON SPOTTING SCOPE****NIHON SEIKO KENKYUSHO, LTD.**

Type: Table type
 Diameter of Objective: 80 mm
 Magnification: 20X, 30X, 40, 60X
 Field of View at 1,000 meters: 55.9 m (3' 50") at 20X
 Weight: 5.2 kg
 Length: 420 mm

Telescopes

SPOTTING SCOPES RIFLE SCOPE BINOCULARS



KOWA SPOTTING SCOPE KOWA CO., LTD.

Magnification: 25X
 Diameter of Objective: 60 mm
 Focal Length of Objective: 422 mm
 Eyepieces: 15X, 25X, 40X, 60X, 75~50X ZOOM (Interchangeable)
 Tripod: Desk type
 Weight
 Telescope: 1.05 kg
 Tripod: 1.10 kg
 Length: 440 mm
 Height: 155 mm



3X-9X



4X



6X

KOWA RIFLESCOPE KOWA CO., LTD.

Type	American Type		
Magnification:	4X	5X	3X-9X
Diameter of Objective:	32 mm	42 mm	42 mm
Field of View:	6	4	7-3
Exit Pupil:	8 mm	7 mm	14, 4.7 mm
Eyering Distance (Eye Relief):	90 mm	90 mm	112~68 mm
Diameter of Tube:	25.5 mm	25.5 mm	25.5 mm
Overall Length:	30 cm	35 cm	30 cm
Weight:	270 g	330 g	420 g



FUJI MEIBO 14 × 70 FUJI PHOTO OPTICAL CO., LTD.

Focusing: Individual
 Magnification: 14X
 Diameter of Objective: 70 mm
 Field of View at 1,000 meters: 69.8 m (4°)
 Exit Pupil: 5 mm
 Relative Brightness: 25
 Weight: 1,820 g
 Height: 254 mm
 Width: 225 mm



FUJI MEIBO 10 × 70MT WATER PROOF FUJI PHOTO OPTICAL CO., LTD.

Focusing: Individual
 Magnification: 10X
 Diameter of Objective: 70 mm
 Field of View at 1,000 meters: 92 m (5.13°)
 Exit Pupil: 7 mm
 Relative Brightness: 49
 Desiccant: Housed in the Body
 Reticle: Available upon Request
 Weight: 1,820 g
 Height: 263 mm
 Width: 225 mm



NIKON 10 × 70 NIPPON KOGAKU K.K.

Focusing: Individual
 Magnification: 10X
 Diameter of Objective: 70 mm
 Field of View at 1,000 meters: 114 m (6.5°)
 Exit Pupil: 7 mm
 Relative Brightness: 49
 Weight: 2,460 g
 Height: 266 mm
 Width: 256 mm



**ASAHI PENTAX 10 × 50
INTERFERENCE FILTER
ASAHI OPTICAL CO., LTD.**

Focusing: Central focusing
Magnification: 10X
Diameter of Objective: 50 mm
Field of View at 1,000 meters: 96 m (5.5°)
Exit Pupil: 5 mm
Weight: 1,000 g
Height: 173 mm
Width: 200 mm



**ASAHI PENTAX 7 × 50
ASAHI OPTICAL CO., LTD.**

Focusing: Central focusing
Magnification: 7X
Diameter of Objective: 50 mm
Field of View at 1,000 meters: 124 m (7.1°)
Exit Pupil: 7.1 mm
Relative Brightness: 51
Weight: 988 g
Height: 178 mm
Width: 180 mm



**CANON 7 × 50
CANON INC.**

Focusing: Central focusing
Magnification: 7X
Diameter of Objective Aperture: 50 mm
Field of View at 1,000 meters: 120 m (7.2°)
Exit Pupil: 7.1 mm
Relative Brightness: 50.4
Weight: 1,115 g
Height: 176 mm
Width: 202 mm



**FUJI MEIBO 7 × 50MT
WATER PROOF
FUJI PHOTO OPTICAL CO., LTD.**

Focusing: Individual
Magnification: 7X
Diameter of Objective: 50 mm
Field of View at 1,000 meters: 131 m (7.5°)
Exit Pupil: 7.1 mm
Relative Brightness: 50.4
Desiccant: Housed in the Body
Reticle: Available upon Request
Weight: 1,200 g
Height: 176 mm
Width: 200 mm



**SIRIUS 7 × 50 BWCF
ITABASHI OPTICAL MFG. CO., LTD.**

Focusing: Central focusing
Magnification: 7X
Diameter of Objective: 50 mm
Field of View at 1,000 meters: 192 m (11°)
Exit pupil: 7.1 mm
Relative Brightness: 50.4
Weight: 1,150 g
Height: 160 mm
Width: 210 mm



**NIKON 7 × 50 BIF
NIPPON KOGAKU K.K.**

Focusing: Individual focusing
Magnification: 7X
Diameter of Objective: 50 mm
Field of View at 1,000 meters: 127 m (7.3°)
Exit Pupil: 7.1 mm
Relative Brightness: 50.4
Weight: 1,420 g
Height: 180 mm
Width: 210 mm

BINOCULARS



NIKON 7 × 50
NIPPON KOGAKU K.K.

Focusing: Central and individual focusing types
Magnification: 7X
Diameter of Objective: 50 mm
Field of View at 1,000 meters: 127 m (7.3)
Exit Pupil: 7.1 mm
Relative Brightness: 50.4
Weight: 970 g (CF type)
1,240 g (IF type, waterproof)
Height: 180 mm
Width: 190 mm



ASAHI PENTAX 8 × 40
INTERFERENCE FILTER
(WIDE ANGLE)
ASAHI OPTICAL CO., LTD.

Focusing: Central focusing
Magnification: 8X
Diameter of Objective: 40 mm
Field of View at 1,000 meters: 164 m (9.5)
Exit Pupil: 5 mm
Weight: 802 g
Height: 144 mm
Width: 182 mm



FUJI MEIBO COMPACT 9 × 35
HCF
FUJI PHOTO OPTICAL CO., LTD.

Focusing: Central focusing
Magnification: 9X
Diameter of Objective: 35 mm
Field of View at 1,000 meters: 117 mm (6.40)
Exit Pupil: 3.89 mm
Relative Brightness: 15.1
Weight: 540 g
Height: 125 mm
Width: 120 mm



NIKON 9 × 35
NIPPON KOGAKU K.K.

Focusing: Central focusing
Magnification: 9X
Diameter of Objective: 35 mm
Field of View at 1,000 meters: 128 m (7.3)
Exit Pupil: 3.9 mm
Relative Brightness: 15.2
Weight: 530 g
Height: 109 mm
Width: 175 mm



ASAHI PENTAX 7 × 35
INTERFERENCE FILTER
ASAHI OPTICAL CO., LTD.

Focusing: Central focusing
Magnification: 7X
Diameter of Objective: 35 mm
Field of View at 1,000 meters: 123 m (7)
Exit Pupil: 5 mm
Weight: 500 g
Height: 146 mm
Width: 168 mm



CANON 7 × 35
CANON INC.

Focusing: Central focusing
Magnification: 7X
Diameter of Objective Aperture: 35 mm
Field of View at 1,000 meters: 130 m (7.5)
Exit Pupil: 5 mm
Relative Brightness: 25
Weight: 650 g
Height: 144 mm
Width: 178 mm



KOWA 7 × 35W
KOWA CO., LTD.

Focusing: Central focusing
 Magnification: 7X
 Diameter of Objective: 35 mm
 Field of View at 1,000 meters: 175 m (10°)
 Exit Pupil: 5 mm
 Relative Brightness: 25
 Weight: 790 g
 Height: 127 mm
 Width: 193 mm



NIKON 7 × 35
NIPPON KOGAKU K.K.

Focusing: Central focusing
 Magnification: 7X
 Diameter of Objective: 35 mm
 Field of View at 1,000 meters: 128 m (7.3°)
 Exit Pupil: 5 mm
 Relative Brightness: 25
 Weight: 500 g
 Height: 109 mm
 Width: 175 mm



ZUIHO 7 × 35 BWCF
ZUIHO OPTICAL INSTRUMENT CO., LTD.

Focusing: Central
 Magnification: 7
 Diameter of Objective: 35
 Field of View at 1,000 meters: 182 m (10.5°)
 Exit Pupil: 5 mm
 Relative Brightness: 25
 Weight: 950 g
 Height: 128 mm
 Width: 160 mm



CANON 8 × 30
CANON INC.

Focusing: Central focusing
 Magnification: 8X
 Diameter of Objective Aperture: 30 mm
 Field of View at 1,000 meters: 130 m (7.5°)
 Exit Pupil: 3.75 mm
 Relative Brightness: 14
 Weight: 595 g
 Height: 125 mm
 Width: 172 mm



**CARTON COMPACT WIDE
 ANGLE 8 × 30**
**CARTON OPTICAL INDUSTRIES,
 LTD.**

Focusing: Central focusing
 Magnification: 8X
 Diameter of Objective: 30 mm
 Field of View at 1,000 meters: 149 m (8.5°)
 Exit Pupil: 3.75 mm
 Weight: 510 g
 Height: 110 mm
 Width: 158 mm



**FUJI MEIBO 8 × 30 MT
 WATER PROOF**
FUJI PHOTO OPTICAL CO., LTD.

Focusing: Individual focusing
 Magnification: 8X
 Diameter of Objective: 30 mm
 Field of View at 1,000 meters: 131 m (7.3°)
 Exit Pupil: 3.75 mm
 Relative Brightness: 14.06
 Reticle: Available Upon Request
 Weight: 640 g
 Height: 122 mm
 Width: 173 mm



NIKON 8 × 30
NIPPON KOGAKU K.K.

Focusing: Central focusing
Magnification: 8X
Diameter of Objective: 30 mm
Field of View at 1,000 meters: 149 m (8.5°)
Exit Pupil: 3.8 mm
Relative Brightness: 14.4
Weight: 500 g
Height: 67 mm
Width: 175 mm



CANON 6 × 30
CANON INC.

Focusing: Central focusing
Magnification: 6X
Diameter of Objective Aperture: 30 mm
Field of View at 1,000 meters: 140 m (8.0°)
Exit Pupil: 5 mm
Relative Brightness: 25
Weight: 575 g
Height: 125 mm
Width: 172 mm



FUJINON MEIBO 7 × 28
HCFMT WATER PROOF
FUJI PHOTO OPTICAL CO., LTD.

Focusing: Central focusing
Magnification: 7X
Diameter of Objective: 28 mm
Field of View at 1,000 meters: 131.8 m (7.5°)
Exit Pupil: 4 mm
Relative Brightness: 16
Desiccant: Housed in the body
Weight: 330 g
Height: 114 mm
Width: 180 mm



ASAHI PENTAX 6 × 25
ASAHI OPTICAL CO., LTD.

Focusing: Central focusing
Magnification: 6X
Diameter of Objective Aperture: 25 mm
Field of View at 1,000 meters: 193 m (11°)
Exit Pupil: 4.2 mm
Relative Brightness: 17
Weight: 459 g
Height: 67 mm
Width: 111 mm



NIKON 8 × 24
NIPPON KOGAKU K.K.

Focusing: Central focusing
Magnification: 8X
Diameter of Objective: 24 mm
Field of View at 1,000 meters: 122.4 m (7°)
Exit Pupil: 3 mm
Relative Brightness: 9
Weight: 400 g
Height: 94 mm
Width: 107 mm



NIKON 7 × 21
NIPPON KOGAKU K.K.

Focusing: Central focusing
Magnification: 7X
Diameter of Objective: 21 mm
Field of View at 1,000 meters: 124 m (7.1°)
Exit Pupil: 3 mm
Relative Brightness: 9
Weight: 300 g
Height: 87 mm
Width: 102 mm



VISTA 7 x 20
OKAYA OPTICAL CO., LTD.

Focusing: Central focusing
Magnification: 7X
Diameter of Objective: 20 mm
Field of View at 1,000 meters: 140 m (8°)
Exit Pupil: 2.8 mm
Relative Brightness: 8.19
Weight: 300 g
Height: 124 mm
Width: 166 mm



NIKON 6 x 18
NIPPON KOGAKU K.K.

Focusing: Central focusing
Magnification: 6X
Diameter of Objective: 18 mm
Field of View at 1,000 meters: 140 m (8°)
Exit Pupil: 3 mm
Relative Brightness: 9
Weight: 230 g
Height: 77 mm
Width: 93 mm



NIKON 7 x 15
NIPPON KOGAKU K.K.

Focusing: Central focusing
Magnification: 7X
Diameter of Objective: 15 mm
Field of View at 1,000 meters: 140 m (8°)
Exit Pupil: 2.1 mm
Relative Brightness: 4.4
Weight: 120 g
Height: 44 mm
Width: 100 mm



VISTA 6 x 15
OKAYA OPTICAL CO., LTD.

Focusing: Central focusing
Magnification: 6X
Diameter of Objective: 15 mm
Field of View at 1,000 meters: 150 m (8.5°)
Exit Pupil: 2.5 mm
Relative Brightness: 6.25
Weight: 180 g
Height: 74 mm
Width: 90 mm



SIRIUS 8 x ~15 x 50 BCF
ITABASHI OPTICAL MFG. CO., LTD.

Focusing: Central focusing
Magnification: 8X~15X
Diameter of Objective: 50 mm
Field of View at 1,000 meters: 105 m~84 m
(6°~4.5°)
Exit Pupil: 6.2 mm~3.3 mm
Weight: 1,180 g
Height: 195 mm
Width: 205 mm



**SIRIUS 7.5 x ~15 x 40 BCF
POWER ZOOM**
ITABASHI OPTICAL MFG. CO., LTD.

Focusing: Central focusing
Magnification: 7.5X~15X
Diameter of Objective: 40 mm
Field of View at 1,000 meters: 112 m~76.5 m
(6.25°~4.23°)
Exit Pupil: 5.3 mm~2.6 mm
Weight: 1,200 g
Height: 170 mm
Width: 190 mm