

MACHINERY JAPAN

OPTICAL AND

PRECISION

INSTRUMENTS

1953



Jupiter Jr 6 x 15

Smallest and finest binocular
Jupiter Jr. 6 x 15

Magnification	6 x
Diameter of objective Lens	15 mm
Angular field of view	7.5°
Field of view at 1000 ft.	131 ft
Size	85 mm x 53 mm
Weight	145 g

New style Extra wide angle binocular

Jupiter Sr. 6 x 25

Magnification	6 x
Diameter of objective lens	25 mm
Angular field of view	11.5°
Field of view at 1000 ft.	203 ft
Size	114 mm x 68 mm
Weight	330 g

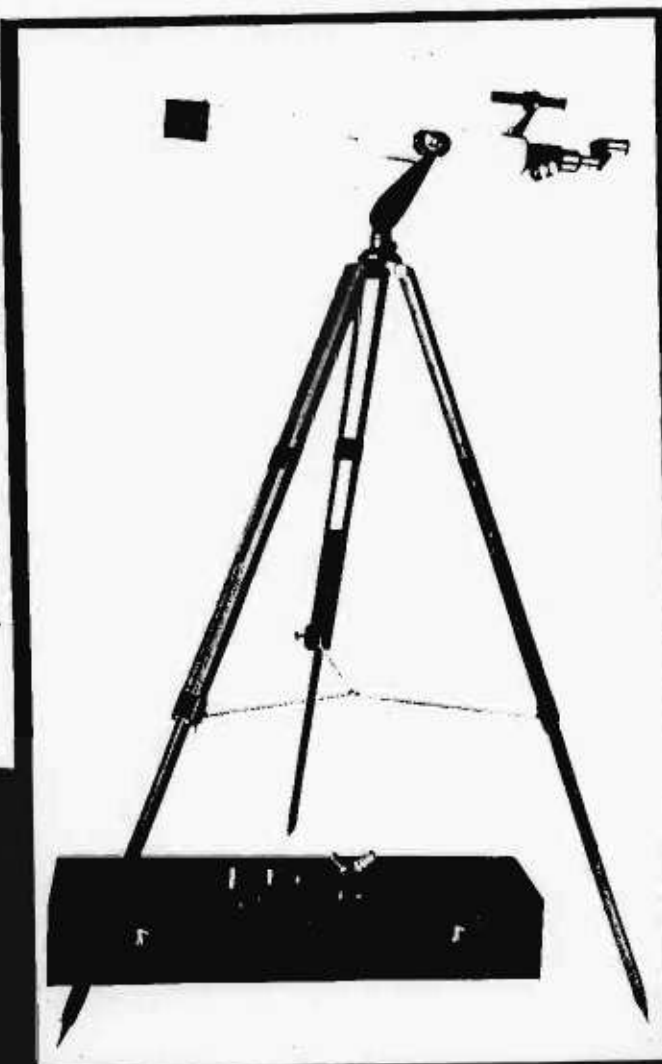
Jupiter 60mm Telescope

Accessory: Tripod,
Eyepiece, 9 mm (89 x), 12.5 mm (64 x),
20 mm (40 x),
Sunglass, Erecting prism,
Diagonal Prism, 4 x Finder.
Diameter of objective Lens, 3" (80 mm) 4" (100 mm), 6" (150 mm).
High Class Astronomical and Teleserial Telescope.
Produce by order with special favour.



Jupiter Sr. 6 x 25

Jupiter 60 mm Telescope



ASAHI OPTIC Co., LTD.
TEL. (96) 2525, 0813,
Cable Address
"ASAHI OPTIC" TOKYO

FUJI BINOCULAR

Meibo

Meibo Prismatic Binoculars are the most famous and representative Japanese binoculars on the American market.

MEIBO 7x50 mm. Navy model for navigation and viewing distant scenes. Also excellent for general purposes. Perfectly balanced.

MEIBO 7x35 mm. Most popular model for sport events and general use. Smart looking and handy.

MEIBO 8x32 mm. Slightly wider field of view for speedy sports and fast action. Well balanced.

MEIBO 10x50 mm. Power-plus binocular for viewing distances.



FUJI SLIDE PROJECTOR

Birdie

The most handy Slideprojector for Family use.

The "Birdie" Slide Projector:

— is light, compact and most convenient for carrying about:

Size: Length Width Height
250 mm. x 90 mm. x 110 mm.

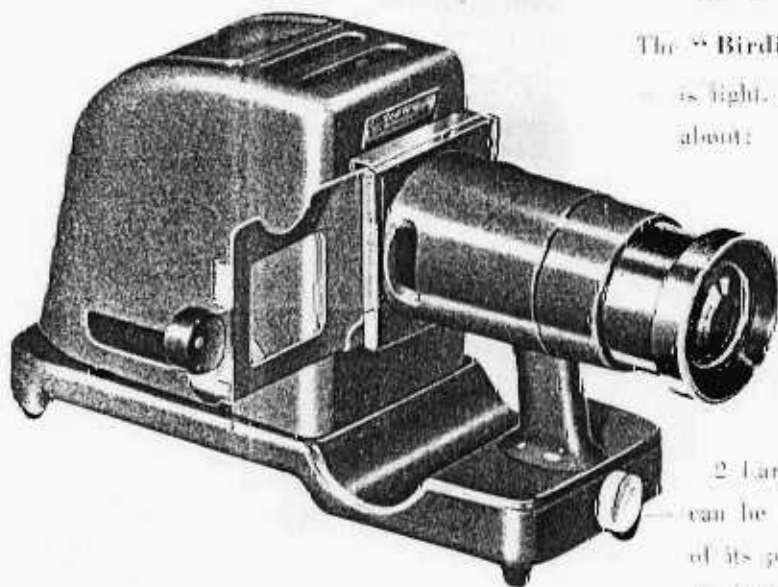
Weight: 1.6 Kilograms

— is equipped with a very sharp lens which projects clear and pleasing pictures:

Lens: P-Acular F/3.1=4 inch

2 Large Condenser lenses

— can be used continuously for a long time because of its particularly good heat-absorbing glass and insulation from heat radiation.



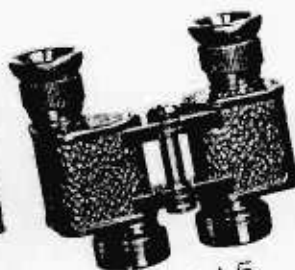
VISTA



6x30



6x15-C



6x15



2.5x



7x50



8x30

BINOCULARS
&
OPERA GLASSES

HATTORI TRADING CO., LTD.
GINZA, TOKYO, JAPAN.



**EVERYONE WHO HAS
KOWA'S PRODUCTS
IS SATISFIED WITH THEIR
EXCELLENT QUALITIES!**
BINOCULARS, OPERA
AND FIELD GLASSES



Torenia 7 x 50



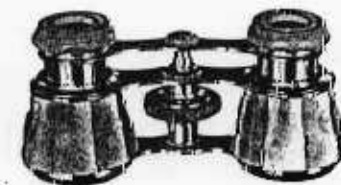
Aster 7 x 50



Emilia 7 x 35



Roof Prism 6 x 20



Erica 2.5 x 26



4 x 40

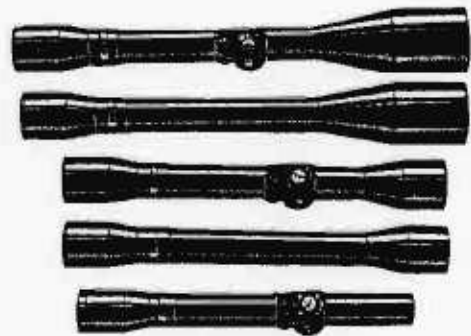
STYLE	MODEL	FOCUSING	MATERIAL of BODY
B & L STYLE BINOCULAR	7 x 50	I.F. and C.F.	Al and Mg
	9 x 35	"	"
	7 x 35	"	"
	8 x 30	"	"
	6 x 30	"	"
B & L STYLE and WIDE FIELD BINOCULAR	10 x 50	"	"
	8 x 40	"	"
	7 x 35	"	"
	6 x 30	"	"
ZEISS STYLE BINOCULAR	12 x 50	I.F.	Al
	7 x 50	"	"
	7 x 35	I.F. and C.F.	"
ROOF PRISM BINOCULAR	6 x 20	C.F.	Mg
OPERA GLASS and FIELD GLASS	2.5 x 20	C.F.	
	2.5 x 26	"	
	4 x 40	"	



RIFLE SCOPE

Model 2.5× Double
 4× Double and Plain
 6× Double and Plain

Barrel Steel or Light alloy
 O.D. of Main barrel 1 inch



SPOTTING SCOPE

Style Straight and 45°
 Aperture of Objective 60 m.m.
 Power 15×, 25×, 40×, 60×



BRAND	FOCAL LENGTH	FOCAL RATIO	O.D. of BARREL
Prominar	4.0"	1:2	72 & 72.5mm
△	4.75"	△	△
△	4.5"	△	△
△	4.75"	△	△
△	5.0"	△	△
△	5.5"	1:2.2	△
△	6.0"	1:2	72mm
△	6.5"	1:2.2	△
△	7.0"	1:2.3	△
Super Prominar	3.0"	1:1.8	72mm
△	3.5"	△	△
△	4.0"	△	△
△	4.5"	△	△
Prominar-16	2.0"	1:1.6	52mm & 30mm Screw
△	2.5"	△	△
△	3.0"	△	△
△	4.0"	△	△

PROJECTION LENS

Super Prominar for 35 mm, Anastigmat
 Prominar for 35 mm
 Prominar-16 for 16 mm



KOFUKU SANGYO CO., LTD.

KOWA OPTICAL FACTORY

Head Office No.5, 1-chome, Miyamachi, Naka-ku, Nagoya.

Factory No. 8, Ishikawa, Gamagoricho, Aichi Pref.

Tokyo Office No. 6, 4-chome, Nihonbashi-honcho, Chuo-ku, Tokyo.

LICHTER

Prismatic Binoculars



6x36 Individual focusing

TYPE. 1953.

General Agency.

Tokyo Merchandise Co., Ltd.
No. 21, 2-chome, Kabutocho, Nihonbashi,
Chuo-ku, Tokyo.

New Product



Telescope 10x35

D: 8 in (coated optics)

Field of view

Dia of Exit pupil

3.5 mm

Telescope 20x40

D: 10 in. coated optics

Field of view

Dia of Exit pupil

2.2°

2 mm

Wide field Binoculars

Field of view

Dia of Exit pupil

6x36

10.5°

5.8 mm

Magnification

16x

12x

10x

7x

7x

8x

6x

7x

6x

Objective aperture

50 mm

50 mm

50 mm

50 mm

35 mm

30 mm

30 mm

18 mm

18 mm

Dia of Exit pupil

3.1 mm

4.1 mm

5 mm

7.1 mm

5 mm

3.75 mm

5 mm

2.57 mm

3 mm

Relative brightness

9.5

16.8

25

50

25

14.1

25

6.6

9

Field of view

4.5°

5.5°

7°

7.1°

6.5°

7.5°

7°

7.1°

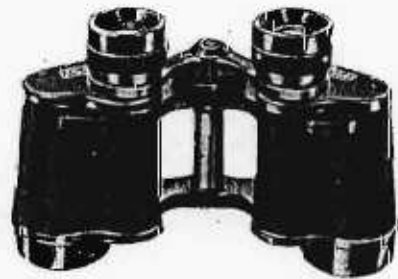
Fine Precision Products of the Reliable Manufacturers.

16x50, 12x50, 10x50,

7x50, 7x35, 8x30,

6x30, 7x18, 6x18.

Type; Individual focusing or Central focusing; with coated or uncoated.



6x30 Central focusing

Individual Focusing Model

(I. F.) Right and left eye-piece are individual adjustable to focus.

Central Focusing Model

(C. F.) Any distance can be readily focused by a single turning of the center wheel, and the right eye-piece is adjustable for different eye corrections.

Lichter Prismatic Binoculars

"Zeiss" Type with Coated and uncoated

Specifications



6x18. 7x18 Individual Focusing

Manufacturers & Exporters

KUROKI OPTICAL INSTRUMENT CO., LTD.

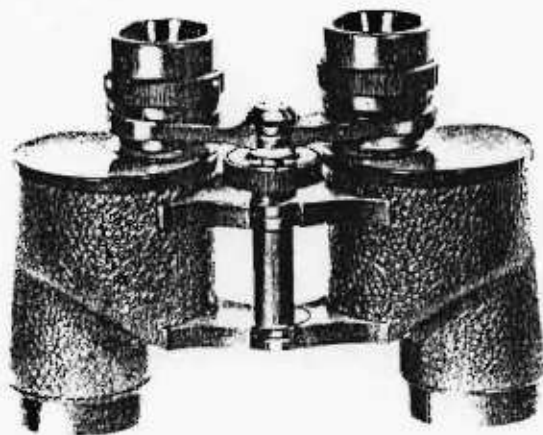
No. 1088, Shimura-maenochi, Itabashi-ku, Tokyo. Tel. (96) 1051, 0885, 0886.

LONG LEG TYPE

10 × 50
12 × 50
16 × 50

BAUSCH & LOMB
TYPE

6 × 30
8 × 30
7 × 35
8 × 40
7 × 50
9 × 40



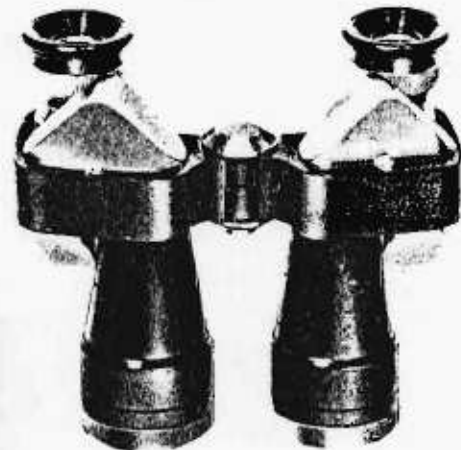
*The Finest
Prismatic
Binoculars
With Perfect Collima-
tion And Alignment*

ZEISS TYPE

6 × 30
8 × 30
7 × 35
8 × 40
7 × 50
9 × 40

FIELD GLASS

10 × 24



KYOWA SANGYO CO., LTD.

No. 5, 2-chome, Hamamatucho,
Siba, Minato-ku, Tokyo.
Tel. Siba (43) 3691



Established
1917

NIPPON KOGAKU K. K.

Oi, Morimae-cho, Shinagawa, Tokyo.

Nikon 35 mm Camera

with NIKKOR

5 cm. F/1.4

or

5 cm. F/2

Supplied with
ever-ready case



Nikon fitted with
Flash Unit Model BCB-II
Nikkor 8.5 cm F/2
Varifocal View Finder



Nikon with
Nikkor 5 cm F/1.4

*Highest class
precision camera
used by World's
top photographers!*

ACCESSORIES

Flash Unit, Model BCB-II	Pen-light batteries or Hearing-aid batteries can be used.
Close-up Device	1.5 ft~2.6 ft Model I..... for 5 cm F/2. Model II..... for 5 cm F/1.4
Varifocal View Finder	For all Nikkor lenses, 3.5 cm~13.5 cm. Extra attachment is provided for 2.8 cm.
Sports Finder	For all Nikkor lenses, 3.5 cm~13.5 cm.
Telescope Photo-Attachment	For Astronomical Telescope 2" and 2 1/2".
Microphotographic Attachment	With focusing eye-piece.
Photo-Copying Device	

NIPPON KOGAKU K. K.



Established
1917

Oi Morimae-cho, Shinagawa, Tokyo.

NIKKOR Lens

Fully corrected
and
Efficiently coated



Nikon fitted with
Refbox and Nikkor 25 cm F/4

2.8 cm F 3.5

3.5 cm F 2.5



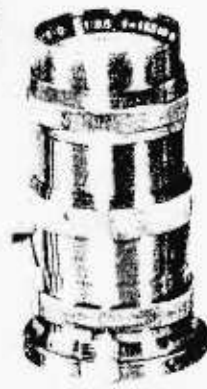
3.5 cm F 3.5



8.5 cm F/2



8.5 cm F/1.5



13.5 cm F 3.5



5 cm F 2



5 cm F 1.4

NIKKORs

For Nikon, Leica & Contax

Wide angle lens	2.8 cm F/3.5 3.5 cm F/2.5 3.5 cm F/3.5
Standard lens	5 cm F/2 5 cm F/1.4
Telephoto lens	8.5 cm F/2 8.5 cm F/1.5 13.5 cm F/3.5
Telephoto lens with Refbox	25 cm F/4

NIKKORs

For Special Purposes

APO-NIKKOR (Process lens)	30 cm F/9 45 cm F/9 60 cm F/9
CINE-NIKKOR for 8 mm Movie camera	13 mm F/1.9 13 mm F/1.5 38 mm F/1.9
PRO-NIKKOR for 35 mm Projector	4" F/2.2 4 1/2" F/2.1 5" F/2.1 5 1/2" F/2.3

NIPPON KOGAKU K. K.



Established
1917

Oi Morimae-cho, Shinagawa, Tokyo.

Scientific Instrument

CORONOGRAPH

SPECTROHELIOGRAPH

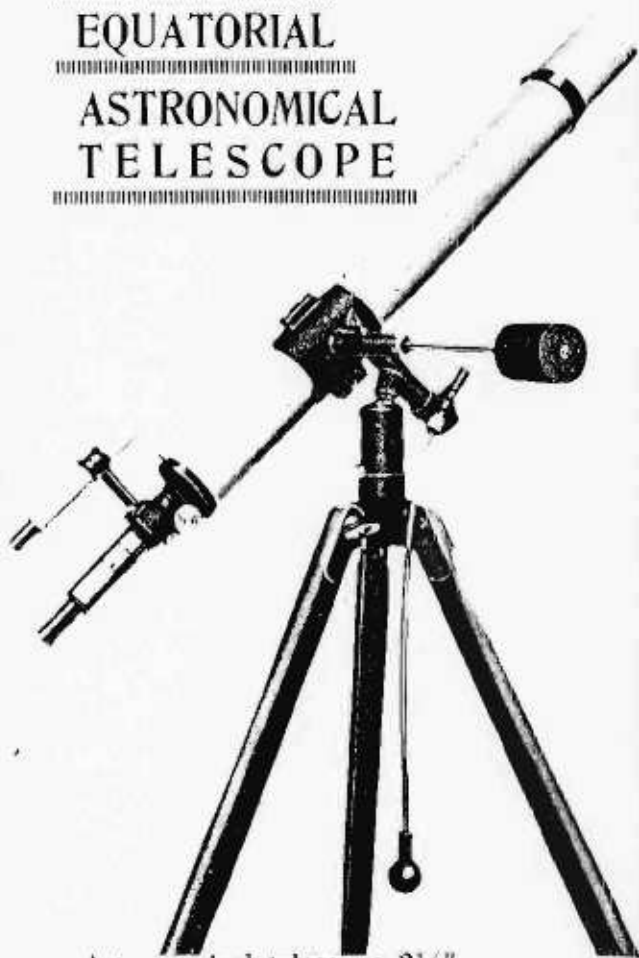
COELOSTAT

EQUATORIAL

ASTRONOMICAL
TELESCOPE



Coronagraph



Astronomical telescope 21½"
for students and amateurs.



Equatorial



Established
1917

NIPPON KOGAKU K. K.

Oi Morimae-cho, Shinagawa, Tokyo.

Novar

All lenses and prisms COATED.

BINOCULARS

and

Mikrons



Novar 7×50



Mikron 6×30



Mikron 6×18



Mikron 8×35
Mikron 7×35



Mikron 6×15

Name	Magnification and Diameter of objectives in mm.	Focusing	Diameter of field at 1000 m.
Novar	7×50	Individual	127 m.
Mikron	8×35	Central	122 m.
Mikron	7×35	Central	125 m.
Mikron	6×30	Individual	146 m.
Mikron	6×18	Central	134 m.
Mikron	6×15	Individual	146 m.



OFUNA

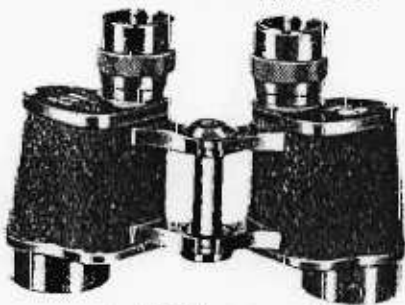


7x50 B & L type, I.F.C.

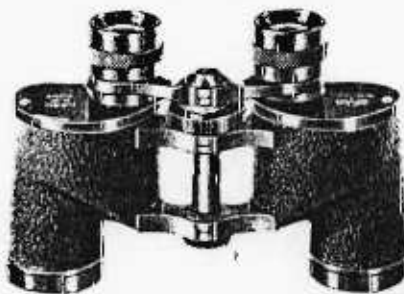
7x50 Zeiss type, C.F.C.



7x35 B & L type, C.F.C.



8x30 Zeiss type, I.F.C.



8x30 B & L type, C.F.C.



6x30 Zeiss type, I.F.C.

6x30 B & L type, C.F.C.

	Magnifying Power:	Objective Pupil:	Exit Pupil:	Weight:	Size:
7x50 Zeiss type, C.F.C.	7x	50mm.	7.10mm.	38 oz.	200x170-175mm.
7x50 B & L type, I.F.C.	7x	50mm.	7.10mm.	36 oz.	195x170-175mm.
7x35 B & L type, C.F.C.	7x	35mm.	5.00mm.	24 oz.	174x128-135mm.
8x30 Zeiss type, I.F.C.	8x	30mm.	3.75mm.	15 oz.	174x106-110mm.
8x30 B & L type, C.F.C.	8x	30mm.	3.75mm.	18 oz.	164x106-110mm.
6x30 Zeiss type, I.F.C.	6x	30mm.	5.00mm.	15 oz.	174x106-110mm.
6x30 B & L type, C.F.C.	6x	30mm.	5.00mm.	18 oz.	164x106-110mm.

Binocular & Opera Glass



6x18 C.F.C.



4x32 Field glass

6x18 C.F.C.	6x	18mm.	3mm.	10 oz.	100x63- 65mm.
4x32 Field glass	4x	32mm.	8mm.	8 oz.	106x85- 93mm.
3x Field glass	3x	34x18mm.	10x5mm.	5 oz.	106x61- 70mm.



3x Field glass

Enlarger Lens "E-OFUNAR" F 3.5 75 cm
Bore Scope (Tube Inspector) diameter
21 mm. length 4 m.
38 mm. length 8 m.



Enlarger
Lens
E-OFUNA



Bore Scope

OFUNA OPTICAL INSTRUMENT MFG., CO., LTD.

(Ofuna Kogaku Kikai Seisakusho)

Yomiuri-Kaikan, No. 13, Yurakucho, 1-chome,
Chiyoda-ku, Tokyo.

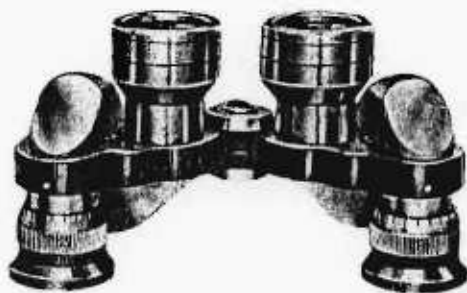
Cable Address: "FUNAKO" Tokyo.

Factory: No. 659Dai, Kamakura.



3.5 x 26 "TURTLE" COLLAPSIBLE OPERA GLASS

Magnification : 3.5 x
 Aperture of Objective : 26 m/m
 Size : 110 m/m x 60 x 17
 Weight : 190 gram.
 Colour : Brown, Tan, Green, Red, Navy,
 Black



7 x 18 "SHINKO" PRISM BINOCULAR

Magnification : 7 x
 Dia. of Objective : 180 m/m
 Angular Field of View : 7°
 Exit pupil : 2.5 mm
 Dia. of Eye-piece : 7.5 mm
 Weight : 180 gram

"EYE-AIDS" PRISMATIC SPECS

Wear as you would an ordinary pair of glasses. If you have glasses EYE-AIDS may be worn over them.

Look straight ahead into prism while lying on your back. Doing so, your vision will be directed down-ward toward your feet. Wearing of Eye-aids in this fashion will permit you to do the following.

1. Read comfortably in bed while lying flat on your back looking straight up toward the ceiling.
2. Watch television program at the foot of your bed while lying flat on your back.
3. Help a bedridden friend who is unable to sit up.



SHINKO SEISAKUSHO, INC.

NO. 9, 2-CHOME EDOBASHI NIHONBASHI CHUO-KU TOKYO

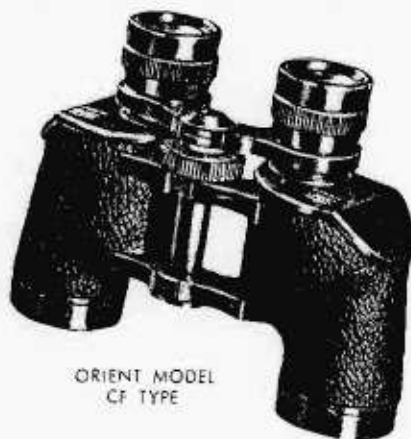
CABLE ADDRESS: AYEAYE TOKYO PHONE (24) 0329 (24) 1358
 (24) 6894



SUPERFINE "ORIENT" OPTICAL INSTRUMENTS

① "ORIENT" PRISMATIC BINOCULAR WITH HARD COATED OPTICS

MODEL: ORIENT MODEL.
B & L MODEL.
ZEISS MODEL.
TYPE: CENTRAL FOCUSING TYPE
INDIVIDUAL FOCUSING TYPE
SIZE: 6×30 mm 8×30 mm 7×35 mm
7×40 mm 8×40 mm 10×40 mm
7×50 mm 10×50 mm 15×50 mm

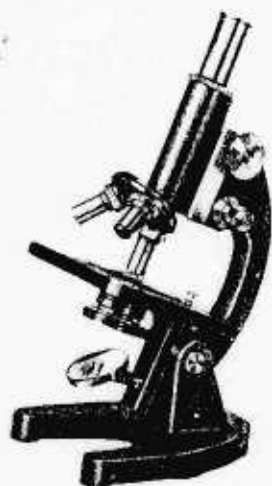


ORIENT MODEL
CF TYPE

② "ORIENT" FIELD GLASS WITH COATED OPTICS CENTER SCREW FOCUSING

4 × 40 mm

③ "ORIENT" MICROSCOPE



MODEL SK-2 (600×)
OBJECTIVE LENS
(ACHROMAT) 5×
10× 40×
EYEPiece LENS
(HUYGENS) 10× 15×
MODEL SK-3 (900×)
OBJECTIVE LENS
(ACHROMAT) 10×
60× 40×
PYEPiece LENS
(HUYGENS) 5× 10×
15×



B & L MODEL
IF TYPE

④ EXCELLENT "CORAL" CAMERA LENS

1:3.5 f=75mm.



SHOWA OPTICAL CO., LTD.

296 NICHOME SHINMACHI SETAGAYA-KU, TOKYO
MANUFACTURER & EXPORTOR
CABLE ADDRESS: SOCORIENT TEL.: (02) 1996-8



TOKYO KOGAKU KIKAI K.K.

(Tokyo Optical Co., Ltd.)

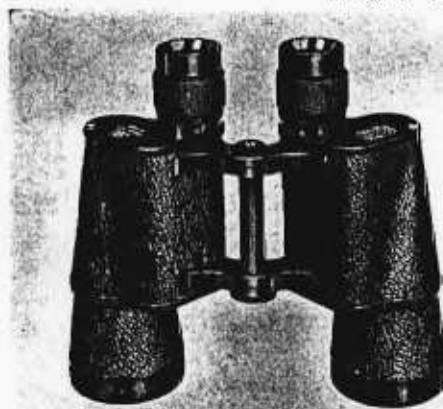
Manufacturers & Suppliers of Optical Instruments

Established 1932

BINOCULARS & OPERA GLASSES

MAGNA	6x15	Compact
"	6x30	General
"	8x30	Universal
"	7x50	Luminous
"	10x50	Wide Field
		All lenses hard coated
PRIDE	2.5x	Opera Glass
ROBIN	2.5x	"

MAGNA 10x50



PRIMOFLEX Model II



CAMERAS & PHOTOGRAPHIC LENSES

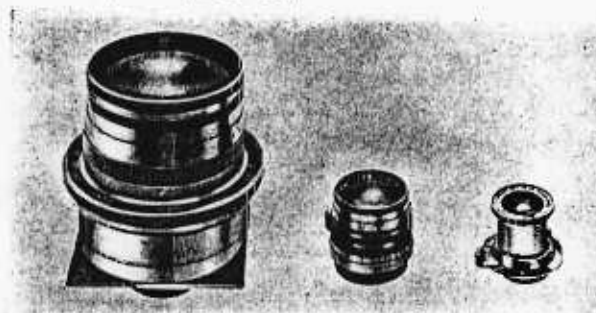
PRIMOFLEX Model II

Picture Size: 6x6
 Lens: J. Similar 1:3.5, 75 mm coated
 Shutter: B, 1—1/500 sec.

PRIMOFLEX Models IA & IB

Picture Size: 6x6
 Lens: Taka 1:3.5, 75 mm coated
 Shutter: B, 1—1/200 sec.

Similar 1:3.5, 50 mm
 " 1:1.5, 50 mm
 for Leica Mount
 Similar 1:0.7, 50 mm
 Etc.



Similar 1:3.5, 50 mm
 " 1:1.5, 50 #
 " 1:0.7, 50 #

OFFICE & FACTORY:

180, Motohasunumacho, Shimura,
 Itabashiku, Tokyo, Japan.
 Cable Address: TOPTCO, TOKYO

USHIKATA'S SURVEYING COMPASSES

Used by the Dept. of Agr. and Forestry of Japanese Govt. Improved so that the horizontal and vertical degrees can be measured in the same posture of the instrument without turning the compass box vertically.

Four types of USHIKATA'S Surveying Compasses

	Sight	Fine adjustment
No. 29	Telescope with stadia lines	Horizontal—tangentscrew vertical—pinion and rack
No. 30	The same to No. 29	Vertical only
No. 31	Vena	
No. 32	Tube	

Of each type

Horizontal circle: Graduated to degrees numbered 0~360 or in quadrants if wanted.

Vertical arc: Graduated to degrees numbered 0~50.

Needle: 68 mm with jeweled center and stop which acts automatically when the instrument is closed.

Levels: Located in compass box, adjustable from outside.

Spindles: Vertical and horizontal, of tapered brass.

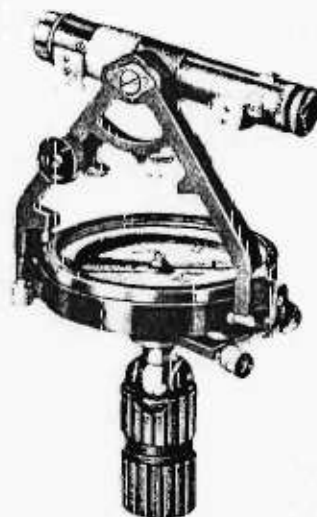
Ball joint and sockets.

Case: Sewed leather case with shoulder strap.

To be used on USHIKATA'S Extension-leg Tripods.



No. 31



No. 29



USHIKATA'S CO., LTD.

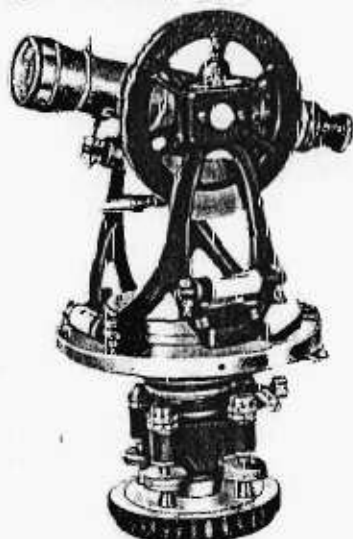
No. 1, SAKA-MACHI, TAITO-KU, TOKYO, JAPAN.

TEL. (83) 2730.

ZUIHO



PRODUCTS: TRANSIT & WEY-LEVEL,
MICROSCOPE, BINOCULARS,
OPERA GLASS, CAMERA etc.



MANUFACTURE & EXPORTER
ZUIHO OPTICAL INSTRUMENT CO., LTD.

No. 7, 3-chome, Kyobashi, Chuo-ku,
Tokyo, Japan.

Tel. (56) 0603 Cable Add. "ZUIOPTIC"



FACTORY:

No. 519, 2-chome, Nishiochiai,
Shinjuku-ku, Tokyo.

Tel. (95) 3792.