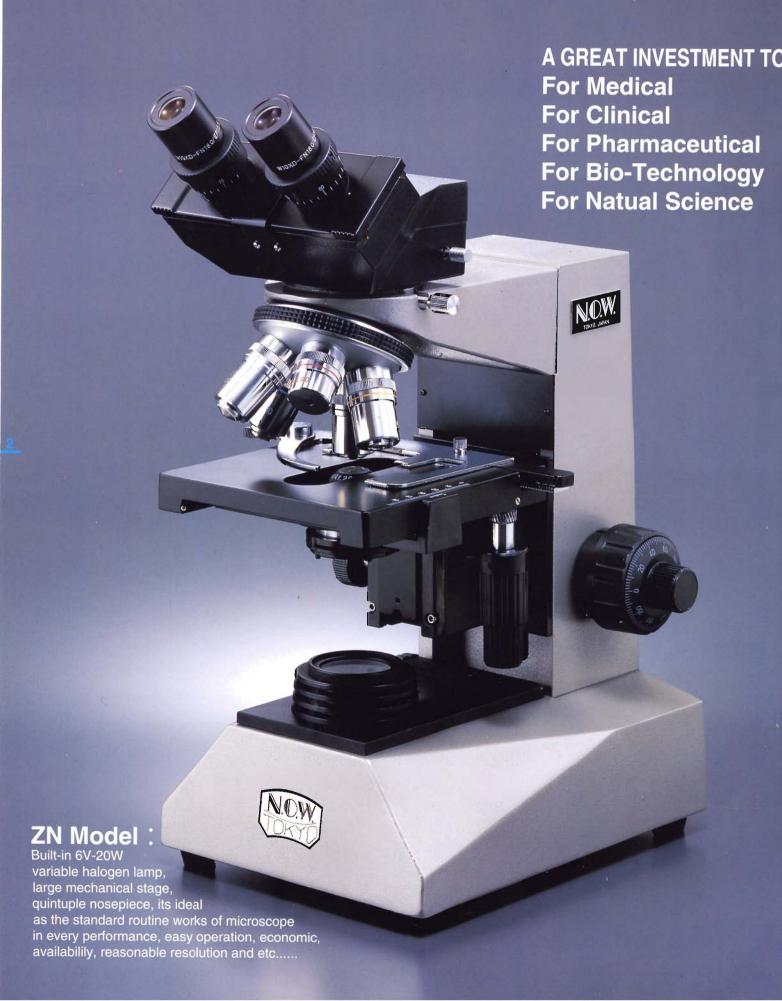
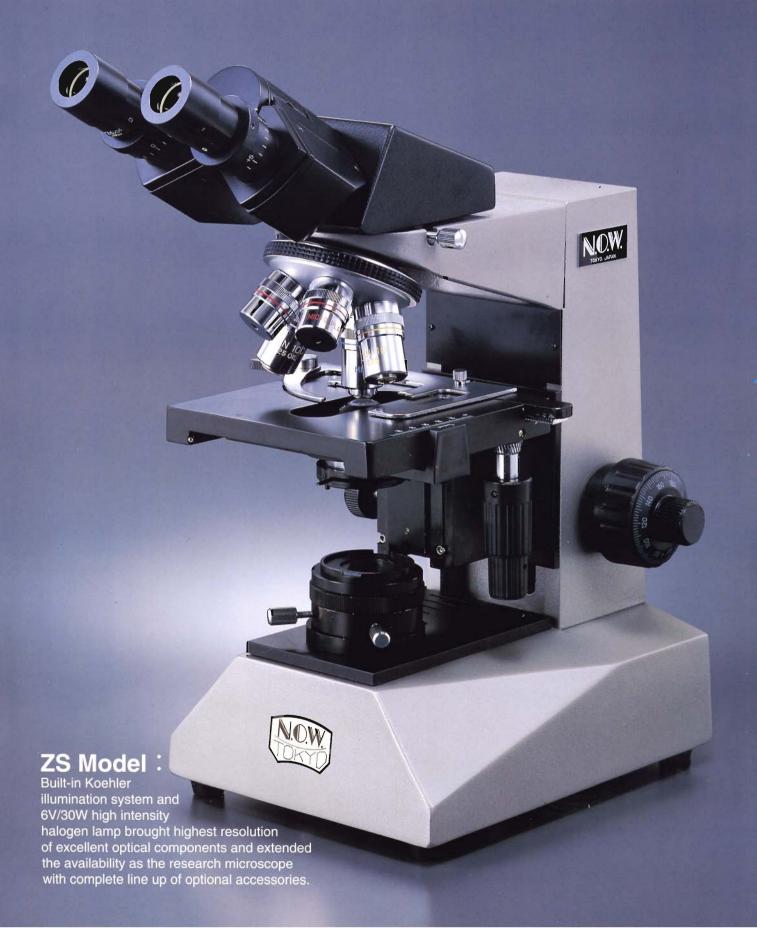
"N.O.W." New Z series Research



and Laboratory Microscope

THE 21st CENTURY





BINOCULAR HEAD ZB-45 (For ZN Model) 45° inclined, 360° rotatable, sliding type interpupillary distance adjustment from 53mm to 72mm, diopter adjustment ring on both eyepiece tubes, increased brightness in the field of view and decreased the difference of the brightness of the field of view between of right and left eyepiece with multi-coating high quality prism.



COOLING DEVICE (For both ZN/ZS interchangeable)

Designed of convectional radiation system, the heat generated by the light source can be carried away through many holes at the upper part of the stand.



LIGHT SOURCE SWITCH (For both ZN/ZS interchangeable)

Provided with single switch system ,it is opereative continuousely for on-off and for light intensity control.



TRINOCULAR HEAD ZT-45 (For ZN Model)

With same optical design and specifications with binocular head, but with vertical photo tube for the microphotography and also interchangeable with C-mount tube to be connected with TV camera for the TV monitoring. For the microphotography or TV monitoring the ligh path can be changed by the lever to be divided into 20% for binocular and 80% for photo tube or C-mount tube.



ATTACHABLE PLANO/ CONCAVE MIRROR (For both ZN/ZS interchangeable)

To be replaced with electrical light source at where and when electric power can not be available by the removal of lamp house of illuminator base.



ILLUMINATOR BASE (For ZN Model)

Built-in 6V/20W halogen lamp and transformer for variable light intensity



MONOCUIAR HEAD ZM-3 interchangeable)

30° inclined, 360° rotatable, in the field of view with multi-coat designed to be preferable for mis



REVOLVING NOSEPIECE interchangeable) Precision ball bearing type quint

click-stop.



MECHANICAL STAGE (For both ZN/ZS interchan Large double squre type, 140mn

Large double squie type, 140nm positioned coaxial right-hand cc × 70nm with each vernier scale (upon request, left hand control) stage clip can hold two slides sir







) (For both ZN/ZS Model

reased brightness in ng high quality prism, roscopy drawing.



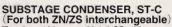
(For both ZN/ZS

iple nosepiece with



×140mm, with low ntrol knob, movable 50mm

to read out 0.1mm, nob can be supplied), nultaneousely.



Two lens Abbe type, N.A.1.25 with centering screws, iris diaphragm and swing out/in filter holder, focusable with rack and pinion motion to up and down 20 mm.



BINOCULAR HEAD ZB-30 (For ZS Model)

30° incilined 360° rotatable, rotating type interpupillary distance adjustment from 55mm to 75mm, diopter adjustment ring on left eyepiece tube, increased brightness in the field of view and decreased the difference of the brightness of the field of view between of right and left eyepiece with multi-coating high quality prism.



NLUMINATOR BASE (For ZS Model)
Built-in 6V/30W halogen lamp with simple
Koehler illumination system with field
diaphragm and transformer for variable light intensity.



TRINOCULAR HEAD ZT-30 (For ZS Model)

With same optical design and specifications with bionocular head, but with vertical photo tube for the microphotography and also interchangeable with C-mount tube to be connected with TV camera for the TV monitoring. For the microphotography and TV monitoring the light path can be changed by the lever to be divided into 20% for binocular and 80% for photo tube or C-mount tube.



OPTICAL COMPONENTS (FOR ZS Model)

MP Series (Research Grade)
Eyepiece : WF10×/H.H.widefield high plane and high eye point type,

with eye guard,

Objective: Parfocal micro planachromatic set, MP-4 × MP-10 × MP-40 × and MP-100 × oil

(please refer optical performance table



FOCUSING ADJUSTMENT (For ZN/ZS interchangeable)

Coaxial coarse and fine focusing adjustment system with focus stopper to prevent the damage of slides or objectives, coarse focusing range 27mm and fine focusing is operative in full range of coarse adjustment range, a rotation of fine focusing adjustment is 0.2mm with graduation in each 0.002mm.



- ILLUMINATOR BASE (Common Futures for ZN/ZS stand)

 1) Inspection and replacement of bulb and fuse cac be done by the opening of the base plate without any technical difficulties,

 2) Inside of the illuminator base is designed to be effective for cooling and radiation.



Standard Achromatic (AC series)						
AC	N.A.	W.D.	REMARK			
4×	0.10	15.8mm				
10×	0.25	4.2mm				
20×	0.40	3.3mm	Spring			

0.65

1.25

40×

100×



Sensor Micro Achromatic (SM series)					
SM	N.A.	W.D.	REMARK		
4×	0.10	14.5mm			
10×	0.25	6.5mm			
20×	0.40	3.3mm	Spring		
40×	0.65	0.6mm	Spring		
100×	1.25	0.14mm	Oil.Spring		



Micro Plan Achromatic (MP series)						
MP	N.A.	W.D.	REMARK			
2×	0.05	18.5mm				
4×	0.10	14.5mm				
10×	0.25	10.0mm				
40×	0.65	0.53mm	Spring			
100×	1.25	0.17mm	Oil.Spring			



0.57mm

0.13mm

Spring Oil.Spring

	FIELD NO.	EYE POINT	REMARK
W10×	18	15.5mm	
WI0×H.H.	18	18.5mm	with eyeguard
EW10×	21	14.5mm	
W15×	13	11.6mm	
W20×	10	10.0mm	

No.188: No.185 : EYEPLECE MICROMETER CHARTS, \$\opi\$ 19 **FOCUSABLE EYEPIECE** (Set in a micrometer chart NO.185), (D) Cross-line (C) Nets No.186: STAGE MICROMETER M10×D F/NO.18 E/P 18,5mm

No.191: PHASE CONTRAST ATTACHMENT, NMP-Set

Contents/Phase, & Darkfield Condenser, NMP-C, with two phase annulus

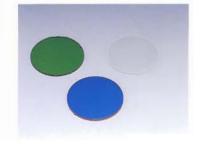


for 10×, 20×, 40× and for $100\times$. with one dark field annuli, Centerring telescope, Phase objectives, 10×, (20×), 40× and $100 \times$, (but 20× is Option) Green fiter,



No.192: POLARISING ATTACHMENT, ZPL Contents/Analyser filter, ZPL-A,

Polariser filter (sensitive color plate), ZPL-P



No.193: CONDENSER FILTERS \$ 31

No.193-B: Blue filter, No.193-G: Green filter, No.193-W: White (frost) filter, No.193-H: Heat cut filter, \$\phi\$ 44



No.194-ST: PHOTOGRAPHY ATTACHMENT, NMP-ST

Contents/ST Adapter (without finder eyepiece), Shutter release,

35mm camera mount (suggest 35mm camera model/brand) P10× Photo eyepiese



No.194-RF: PHOTOGRAPHY ATTACHMENT,

Contents/RF Adapter with finder eyepiece,

P10× photo eyepiece,

35mm SLR camera back, Shutter release. 35mm camera mount



No.195: TV MONITORING SYSTEM, NRM-TV

Contents/NCCD-C CCD Camera,

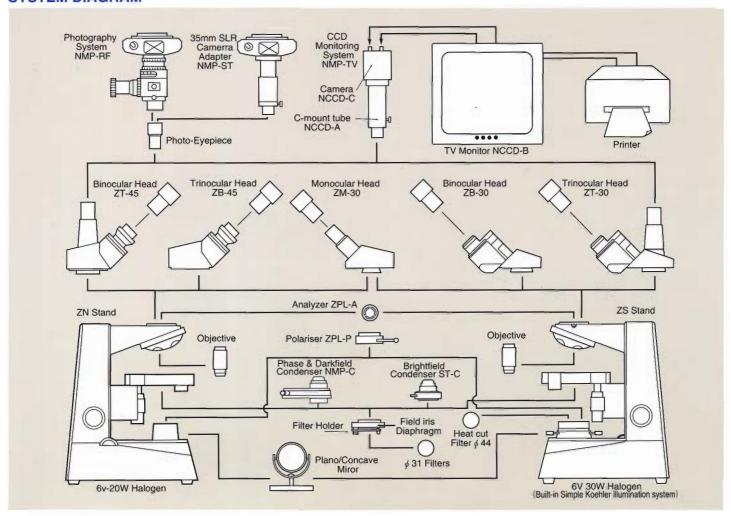
NCCD-A C-mount tube with $0.5 \times$ relay lens,

NCCD-E AC adapter,

NCCD-M Coaxial video cable,

NCCD-B Monitor, 14 inch,





COMBINATION	UNITS	Model of Scope	ZNT45-AC	ZNB ₄₅ -AC	ZNM-AC	ZNT45-SM	ZNB ₄₅ -SM	ZNM-SM	ZST30-MP	ZSB ₃₀ -MP	ZSM-MP
COMPONENT	MODEL	Standard Accesories		2011		2 Bulbs, P	ower Cord, Blu	e Filter,			
	ZS	6V30W·Halogen							•	•	•
	ZN	6V20W-Halogen	•	•	•	•	•	•			
HEAD	ZM-30	Monocular			•			•			•
	ZB-45	Binoculor		•			•				
	ZT-45	Trinocular	•			•					
	ZB-30	Binoculor								•	
	ZT-30	Trinocular							•		
EYEPIECE	W10×	Wide Field	•	•	●1pc						
(PAIRED)	W10×/H·H·	High E Point with Eyequard		4		•	•	●1pc	•	•	• 1pc
OBJECTIVE	AC4×		•	•	•						
STANDARD ACHROMATIC	AC10×		•	•	•						
(AC)	AC40×	Spring	•	•	•						
	AC100×	(Oil) Spring	•	•	•						
OBJECTIVE	SM4×					•	•	•		•	===
SENSORMICRO ACHROMATIC	SM10×					•	•	•			V-V-V-
(SM)	SM40×	Spring				•	•	•			
	SM100×	(Oil) Spring				•	•	•			
OBJECTIVE MICRO · PLAN ACHROMATIC (MP)	MP4×								•	•	•
	MP10×								•	•	•
	MP40×	Spring							•	•	•
		(Oil) Spring							•	•	•
WOODEN CAS	E	255×285×495(H)mm	•	•	•	•	•	•	•	•	•