

## A Tradition of Excellence for More than 25 Years



The year 1978 marked Nikon's 25th anniversary in the United States' market. Since their introduction, a distinctive combination of innovative design and manufacturing precision have served as hallmarks of Nikon photographic and optical instruments. During those years, Nikon has pioneered when there was pioneering to be done — Nikon cameras have accompanied American astronauts to the moon and will be aboard upcoming Space Shuttle flights. Yet, the traditions of careful research, gradual evolution, and quality-control manufacturing have never been abandoned.

The Nikon cameras are the heart of the internationally famous Nikon system. More than 60 Nikkor lenses serve as its eyes. Add over 250 available accessories and you have the foremost and most versatile photographic system available today — ready to respond to any photographic need.

Whatever your interests may be—from the unseen world of photomicrography to astrophotography of the distant planets—Nikon stands ready to document them. Nikon puts the entire world — and beyond — at your fingertips.

For the ultimate combination — concept plus quality — the choice is obvious. Nikon — the finest.

## Nikon Cameras

The latest model of the camera that has become "the professional's choice" the world over. Highlights include: Automatic indexing of maximum lens aperture (AI) and aperture direct readout (ADR) with Nikkor AI lenses; a CdS, center-weighted, through-the-lens meter (EV 1~17) three-way focusing screen (K screen) with central split-image rangefinder, surrounding microprism ring, and matte Fresnel field; an embossed titanium-foil, horizontal-travel shutter with speeds of "B" and from 1 to 1/2000 second and continuously variable settings from 1/80 second and faster; settings of 2 to 10 seconds possible via built-in self timer; X-synchronization at up to 1/80 second; a short-stroke film advance that also activates the meter; a hinged, removable back; an extra-large mirror that eliminates image cutoff with long lenses; f/stop and shutter-speed display in the viewfinder; and depth-of-field preview. More than 60 precision Nikkor lenses are available; 6 interchangeable finders and 21 finder screens are accepted; full motor drive and 250- or 750-exposure capability. (The camera body is also supplied with an eyelevel prism without metering as the Nikon F2.)

### Nikon F2A Photomic



### Nikon F2AS Photomic



This offers the operational features of the Nikon F2A *plus* a highly sensitive (EV -2 to +17) silicon-photo-diode (SPD) meter and fully automatic exposure when used with the accessory EE Control Unit (DS-12) which adjusts the lens aperture. The wide metering range allows for readings and auto control in light so dim that an exposure of 8 seconds at f/1.4 (ASA 100) would be necessary. A five stage LED readout signals correct exposure as well as under- and over-exposure of 1/5 to 1 stop and more than 1 stop. A single diode on top of the prism signals correct exposure. The F2AS Meter/Finder and Servo EE Control Unit are self-contained requiring no separate battery packs. Remote operation is the obvious application but the entire unit is compact enough to serve as an automatic hand camera. The camera can also be used without the EE Control Unit for conventional photography.

### Nikon FE



The compact Nikon FE offers reduced size and weight *plus* automatic exposure control via a highly sensitive silicon photo diode (SPD) meter and electronically controlled shutter. The fixed viewfinder comes equipped with the standard Nikon K screen but 2 other interchangeable screens (B and E) are available for specialized applications. Aperture and shutter speed appear in the viewfinder. A specially designed electronic flash unit (SB-10) carries automation into the area of flash photography. The Nikon FE accepts the compact MD-11 Motor Drive Unit for single-frame or continuous shooting at rates up to 3.5 frames per second. Other features include: a metal, focal-plane, vertical-travel shutter with electronic control in automatic mode and 14 settable speeds from 8 to 1/1000 second in manual mode; automatic X-synchronization at 1/90th second with the SB-10 flash or at speeds up to 1/125 second manually set; self timer, depth-of-field preview; interchangeability of Nikkor lenses from 6mm to 2000mm; short-stroke film advance; and built-in hot shoe.

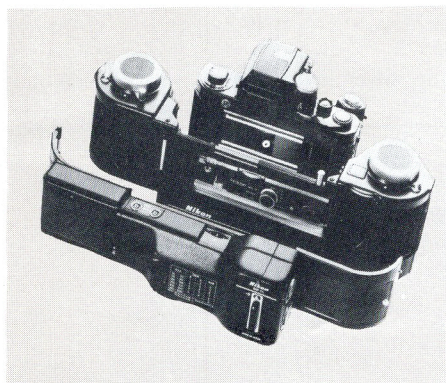


This, the compact Nikon, offers reduced size with high quality manufacture. The fixed viewfinder offers three-way focusing accuracy via the central split-image rangefinder, surrounding microprism collar, and matte Fresnel field as well as aperture direct readout (ADR) with Nikkor AI lenses, and shutter-speed display. Metering information from the through-the-lens, center-weighted gallium-photo-diode (GPD) system appears in the viewfinder as 3 LEDs signaling under-, correct, or over-exposure. Motor drive capability is available via the Motor Drive (MD-11) Unit which can be fired either singly or continuously at speeds up to 3.5 frames per second. Other features include: a metal, focal-plane, vertical-travel shutter with settings of "B", 1 to 1/1000 second; X-synchronization (only) at speeds up to 1/125 second; self-timer; depth-of-field preview; interchangeability of Nikkor lenses; short-stroke film advance that also activates the meter; and a built-in hot shoe.

## Nikon FM



## Nikon Data Backs



## Nikon F2 Data Recording Systems

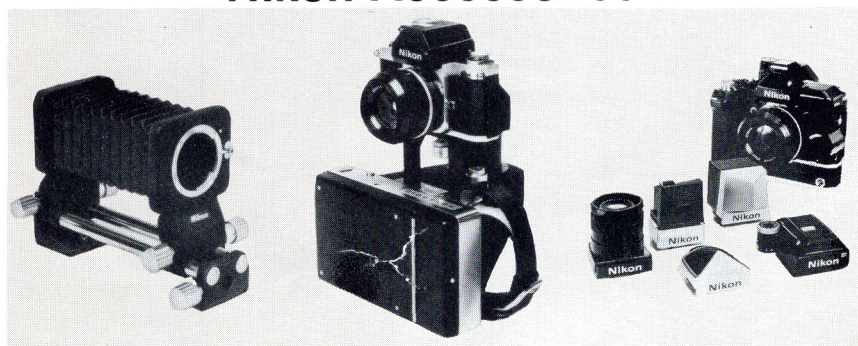
Nikon produces two unique Data Recording Systems for scientific and technical applications. Both systems are equipped to imprint the time, date, and other desired information onto the film. Additionally, they accept virtually all Nikon accessories including the Motor Drive MD-2, EE Aperture Control Unit DS-12 for the F2AS Photomic Finder DP-12, all Nikon F2 finders and screens, and all Nikkor Lenses from 6 to 2000 mm.

Each Nikon F2 Data Recording System consists of two basic components: A special black Nikon F2 body with removable film-plane mask and a selected Photomic or prism finder.

Either of two available Data Backs — Data Backs MF-10 accepts standard 36-exposure film cassettes; Data Back MF-11 uses 250-exposure film magazine MF-1 (supplied). The 250-exposure System requires the use of the MD-2 Motor Drive; the Motor Drive is optional for use with the MF-10.

Information is exposed onto the film via a built-in electronic-flash unit which assures consistent clarity and legibility regardless of ambient lighting conditions or subject matter.

## Nikon Accessories



Nikon accessories are available to build a truly professional-level, versatile, photographic system. Every aspect from photomacrography through telephotography can be improved by the application of Nikon products.

**Close-up Accessories:** The Bellows Focusing Attachments IV and V can be used with most Nikkor lenses from 20 to 200mm. The units offer reproduction ratios from 1.12x to 3.6x with the 50mm f/2 lens mounted in normal position. Also available are simple meniscus close-up lenses in three diopter strengths; a lens reversing ring that accepts all 52mm-diameter lenses; extension tubes that maintain automatic coupling; a repro-copy set; and slide-copying attachments.

**Viewfinder Accessories:** 6 different

interchangeable viewfinders and 21 focusing screens take every shooting situation into account. Also available are: an eyepiece magnifier; correction lenses in diopter strengths from minus 5 to plus 3, and rubber eyecup—all of which attach to the viewfinder.

**The Speed-Magny Attachment:** permits the use of large-format Polaroid or conventional film packs with the Nikon cameras. Model 100-2 (for Nikon F2, F2A, or F2AS) accepts Polaroid Land 105, 107, and 108 film packs.

A variety of other Nikon accessories round out the system; Filters, lens hoods, replacement lens and body caps; remote and synchronization cords; compartment cases; camera cases; and Nikon publications.

## Nikon Electronic Flash



**Nikon Electronic Flash:** Nikon offers a full range of electronic flash units for use with Nikon cameras. The SB-5 unit allows for quick recycling and motor-drive sequence shooting. Thyristor units SB-7E, SB-8E, and SB-9 are compatible with the Nikon F and F2; Nikon FM, Nikon EL2 and Nikkormat FT3; and Nikon EL2, Nikon FE, Nikon FM and Nikkormat FT3, respectively. The SB-10 unit offers the added automatic shutter synchronization when used with the Nikon FE.



## Nikonos III

The Nikonos III is unique — the only self-contained 35mm amphibious camera. It has applications in any photography that is done in and around water. This includes not only diving, boating and water sports but photography in foul weather as well. The same features that make the Nikonos III watertight also seal it against invasion by dust, grime or sand. This makes it perfect for photography on expedition, at construction sites, and the like. The Nikonos III is also applicable to medical and operating-room photography as well as industrial use.

Four lenses are available in focal lengths of 15, 28, 35 and 80mm: the 15 and 28mm lenses are designed exclusively for underwater use, while the 35 and 80mm lenses can be used both under and above water. Accessories include: viewers for underwater shooting; a close-up kit; a flash kit; lens protectors and hoods.

### Lenses for Nikonos III:

15mm f/2.8 UW-Nikkor IC  
28mm f/3.5 UW-Nikkor IC  
35mm f/2.5 W-Nikkor IC  
80mm f/4 Nikkor IC



## Nikon Motor Drives

### For Nikon F2, F2S, F2SB, F2A, and F2AS Cameras

All Nikon F2 series cameras accept both the Motor Drive MD-2 and Motor Drive MD-3 without modification. The MD-2 unit is a full-featured drive offering such sophisticated advances as: variable continuous-framing rates at speeds up to 5 frames per second; a shutter speed range of 1/4 to 1/2000 second in continuous-firing mode and "B" plus 1 to 1/2000 second in single-frame operation; automatic film rewind; acceptance of the 250-exposure (MF-1) and 750-exposure (MF-2) backs, the MF-3 back for automatic film-rewind shutoff, and the MF-10 and MF-11 Data Backs.

The less expensive MD-3 unit offers: a shutter-speed range of from 1/80 to 1/2000 second when used in continuous mode and "B" plus 1 to 1/1000 second in single-frame operation; continuous-firing rates of up to 4 frames per second with the MB-1 Battery Pack and nickel cadmium batteries; and acceptance of the MF-10 Data Back.

Both the MD-2 and MD-3 units offer: multiple-exposure capability via the film-rewind slide; use of the Nikon Speedlight SB-5 at shooting rates up to 3.8 frames per second; remote operation via the Modulite Unit (ML-1), Wireless Control (MW-1), Intervalometer (MT-1), or Remote Cord (MC-4); subtractive film counter with automatic shutoff at "0" that can be preset for exposure of a certain amount of frames.

Both units can be used with the following power supplies: Battery Pack MB-1, which accepts zinc carbon, alkaline or nickel cadmium batteries; the Battery Pack MB-2, which accepts zinc carbon or alkaline batteries; or the AC/DC Converter MA-4, which allows for use of alternating current.

### For Nikon FM & FE Cameras

The MD-11 Motor Drive is designed specifically for use with the compact Nikon FM and FE cameras. Features include: continuous-framing rates up to 3.5 frames per second at shutter speeds of 1/125 second or higher; a shutter-speed range of from 1 to 1/1000 second in single-frame operation or from 1/2 to 1/1000 second in continuous operation; MD-11 w/FE has single frame operating range 8 sec.-1/1000 sec. and continuous operation from 8 sec.-1/1000 sec.; remote control capability via the MC-4 Remote Cord, MT-1 Intervalometer, ML-1 Modulite, and the MW-1 Radio Control; self-contained battery chamber requiring no additional battery pack; and compact size and light weight.



## Nikkor Optics



In the language of optics, Nikkor means the finest in quality and capability. And, an array of more than 60 Nikkor lenses stands ready for use with any Nikon or Nikkormat camera — to solve virtually every photographic need.

Optical research and meaningful product evolution stand behind every Nikkor lens. The unique Nikon Integrated Coating (IC), originated by Nikon, is now used on almost every lens to increase light transmission, cut down on flare and ghosts, and enhance image quality and color fidelity. A more recent Nikon innovation, Extra-low Dispersion glass (ED), which further eliminates chromatic aberration, is now utilized in light, long-focal-length lenses. Add the Auto-Indexing feature (AI) for lenses that are better than ever.

### FISHEYE NIKKOR LENSES

range from the near-hemispheric 170° full-frame 16mm lens to the phenomenal 220° 6mm. All feature built-in filter turrets. 6mm f/2.8 Fisheye Nikkor 6mm f/5.6 Fisheye Nikkor 8mm f/2.8 Fisheye Nikkor 10mm f/5.6 OP Fisheye Nikkor 16mm f/2.8 Fisheye Nikkor 16mm f/3.5 Fisheye Nikkor

### WIDE-ANGLE NIKKOR LENSES

are highly popular for architectural and editorial photography as well as general scenics. They include: 13mm f/5.6 Auto-Nikkor 15mm f/5.6 Auto-Nikkor 18mm f/4 Auto-Nikkor 20mm f/4 Auto-Nikkor 24mm f/2 Auto-Nikkor 24mm f/2.8 Auto-Nikkor 28mm f/2 Auto-Nikkor 28mm f/2.8 Auto-Nikkor 28mm f/3.5 Auto-Nikkor 35mm f/1.4 Auto-Nikkor 35mm f/2 Auto-Nikkor 35mm f/2.8 Auto-Nikkor

### NORMAL NIKKOR LENSES

are available in the focal length of 50mm. The 1.2 aperture of the 50mm Auto-Nikkor AI makes it the ideal lens for available-light shooting. 50mm f/1.4 Auto-Nikkor 50mm f/2 Auto-Nikkor 50mm f/1.8 Auto-Nikkor 50mm f/1.2 Auto-Nikkor

### NIKKOR TELEPHOTO LENSES

offer long focal lengths — from 85 to 300mm—in relatively compact and light-weight models for portraits and candid. 85mm f/2 Auto-Nikkor 105mm f/2.5 Auto-Nikkor 135mm f/2 Auto-Nikkor 135mm f/2.8 Auto-Nikkor 135mm f/3.5 Auto-Nikkor 180mm f/2.8 Auto-Nikkor 200mm f/4 Auto-Nikkor 300mm f/4.5 Auto-Nikkor

### TELE-NIKKOR LENSES

are used in conjunction with a focusing mount that accommodates all four lengths from 400 through 1200mm. 400mm f/4.5 Auto-Nikkor 600mm f/5.6 Auto-Nikkor 800mm f/8 Auto-Nikkor 1200mm f/11 Nikkor

### REFLEX-NIKKOR LENSES

bring the catadioptric, mirror-lens optics, originated for large astronomical telescopes, to the field of 35mm photography. By the placement of a reflex-mirror system within the lenses, long focal lengths are achieved in lenses that are surprisingly compact and lightweight. As the mirror-lens design eliminates a diaphragm, the Reflex-Nikkors are supplied with ND filters for light control. 500mm f/8 Reflex-Nikkor 1000mm f/11 Reflex-Nikkor 2000mm f/11 Reflex-Nikkor

### NIKKOR ZOOM LENSES

encompass the entire range of focal lengths from the wide-angle 25-50 to the telephoto 360-1200mm. They offer the practical advantage of in-camera cropping and changing image size without interchanging lenses. 25-50mm f/4 Zoom Nikkor\* 28-45mm f/4.5 Auto-Nikkor 43-86mm f3.5 Auto-Nikkor 50-300mm f/4.5 Auto-Nikkor 50-300mm f/4.5 ED Auto-Nikkor 80-200mm f/4.5 Auto-Nikkor 180-600mm f/8 ED Auto-Nikkor 200-600mm f/9.5 Auto-Nikkor 360/1200mm f/11 ED Auto-Nikkor

### ED NIKKOR LENSES

offer maximum image contrast and clarity and a minimum of chromatic aberration in long-focal-length lenses through the integration of the exclusive Extra-low Dispersion glass. Internal focusing (IF) for compactness and light weight. 300mm f/2.8 ED Auto Nikkor IF 300mm f/4.5 ED Auto Nikkor IF\* 400mm f/3.5 ED Auto Nikkor IF 400mm f/5.6 ED Auto Nikkor IF\* 600mm f/5.6 ED Auto Nikkor IF 800mm f/8 ED Auto Nikkor IF\* 1200mm f/11 ED Nikkor IF\*

### SPECIAL NIKKOR LENSES

are available to cover a range of particular photographic problems and specialties.

The 28mm f/4 PC Nikkor IC and 35mm f/2.8 PC Nikkor IC offer the perspective-control facility of the view camera to 35mm photography.

The 58mm f/1.2 Noct-Nikkor with an aspherical lens surface in its front element for optimum correction of coma at full-aperture thus delivering the image of bright point objects as they are, without flaring away to the frame corners. Inner reflections are further corrected by the black-finished inner metal surfaces, and the application of Nikon Integrated Coating for reduction of flare and ghost images.

The 200mm f/5.6 Auto-Medical Nikkor II offers an automatic approach to close-ups. Eleven settings — based on reproduction ratios from 1/15 through 3x-life-size can be set. The camera is then positioned at the distance from which the image appears sharp in the viewer. Correct exposure is achieved because the diaphragm is automatically adjusted when the repro ratio is set; a built-in ringlight provides shooting illumination; and incandescent bulbs illuminate the subject for easy focusing. Frame or reproduction ratio information can be recorded directly on the film.



## Special Application Lenses

### El Nikkor Enlarging Lenses



El Nikkor enlarging lenses are specifically computed for optimum performance at the most widely-preferred enlargement sizes, according to focal length. Resolving power, contrast, evenness of illumination, and flatness of field far exceed the capabilities of conventional optics . . . and insure that every detail on the negative is transmitted, without aberration, to the print. El Nikkor lenses reveal the painstaking care with which all Nikkor lenses are designed. They are corrected for chromatic aberration beyond the visible spectrum into the near-ultraviolet wavelength — to which photographic papers are particularly sensitive, thus insuring against focus shift at every aperture, every magnification. El Nikkor lenses are especially prized for professional color printing because of their near apochromatic color correction and exceptional contrast — qualities particularly important with single-contrast color emulsions.

Widely employed in graphic arts, cathode-ray tube, and other specialized applications that demand their superior performance, each El Nikkor is equipped with dual large-numeral aperture scales and click stops for fast, accurate operation and is front-threaded to accept screw-in accessories for special-effects work. All El Nikkor lenses 50mm-135mm are supplied in universal (39mm) "Leica" thread mount.

Reverse adapters are available for optimum performance in reduction printing.

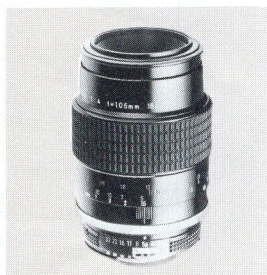
EL Enlargement Lenses are available in focal lengths from 50 to 360mm for use with film formats from 35mm to 11x14". And, a 53 to 80mm f/5.6 El-Zoom-Nikkor is available for use with formats up to 35mm.

### Micro-Nikkor Lenses

Evolved from decades of Nikon leadership in optics for graphic arts, scientific, and macro/micro instruments, Micro-Nikkors are optimized for critical sharpness and flatness of field at closer range than conventional photographic lenses. Yet, their optical formulas provide exceptional performance even when focused at infinity, leading many photographers to employ them as all-purpose optics.

The three Micro-Nikkors have extended helical mounts permitting continuous focusing from infinity to 0.5x magnification (1/2 life-size) by attaching the automatic extension ring available for each lens, the focusing range is extended from 0.5x to 1x—actual or 'life-size' — where a subject measuring just 24x36mm (under 1x1 1/2") fills the entire film frame.

Available Micro-Nikkor Lenses are as follows: 55mm f/3.5; 105mm f/4; and 200mm f/4\*.



### Lenses for Large-Format Cameras

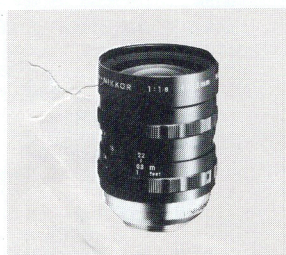


While primarily known for the surpassing quality of its 35mm camera lenses, Nikon has applied its unique technological and design ingenuity to bring the same, reliable, superior performance to all large-format cameras. Drawing on more than 220 types of Nikon optical glass and utilizing latest computer techniques, Nikon designers have produced a series of lenses that are unsurpassed in their field.

Nikon offers three new high-performance lens systems for press, view, and technical cameras using 4x5" and larger film sizes, each featuring an exceptionally large image circle for maximum freedom in camera movements. Their resolution, contrast, flatness of field, and evenness of illumination are further enhanced by the application of multi-layer Nikon Integrated Coating (IC) for optimum color fidelity, contrast and freedom from flare. Each large-format Nikkor is supplied with a precision leaf shutter incorporating a convenient 'press focus' control as well as cable release socket.

Large format lenses are available as follows: Super Wide-Angle Nikkors—65, 75 and 90mm; Wide-Angle Nikkors—100\*, 105\*, 120\*, 135, 150, 180 and 210mm; and Long Focal Length Nikkors—300\* and 450mm.

### Cine Nikkor Lenses



Cine Nikkors are specially designed for use with cameras that accept interchangeable, standard C-mount lenses. This includes not only 16mm motion picture cameras but also closed circuit TV cameras using a 1" vidicon tube. Both these photographic areas involve enormously large image magnification during projection and therefore require uncommonly high optical quality, especially when used for critical industrial measurements and research applications.

Cine Nikkor lenses, with their superior resolving power and color correction, more than meet these exacting requirements. In fact, in CCTV applications, their resolutions usually exceeds that of the system itself, assuring highest possible image quality. They are available in six focal lengths, from 6.5mm wide angle to 100mm telephoto, each offering excellent speed in addition to its other advantages.

Cine Nikkor Lenses are available as follows: 6.5mm f/1.8; 10mm f/1.8; 13mm f/1.8; 25mm f/1.4; 50mm f/1.8; 100mm f/2.8.



## Nikon Compartment Cases

Feature roomy, safe storage and separate compartments for cameras and lenses and, in some models, outside pockets for accessories. Luxuriously finished in genuine cowhide or durable leatherette, each case comes with shoulder strap and nonslip shoulder pad. For all Nikon system cameras.



### Compartment Case FB-8

Holds two cameras (one with lens), three extra lenses (to 300mm) in individual bayonet sockets. Opens away from you for quick, safe access to contents. Outside pocket for small accessories. Made of fine black leatherette.



### Compartment Case FB-11A

Extra-large Pro-bag with carrying handle and detachable shoulder strap. Removable tray holds two cameras plus extra lens; additional lenses and accessories fit into bottom compartment which has adjustable partitions. With partitions removed, there is room for an extra-long lens, up to 500mm Reflex-Nikkor. Made of fine cowhide.



### Compartment Case FB-12

Similar to FB-11A but smaller. Removable tray holds two cameras (or one plus extra lens); bottom section adapts for a variety of lenses and accessories. Cowhide.



### Compartment Case FB-13

Pro-bag style with removable compartments. Accommodates one or two cameras with (or without) attached motor drive, auto winder, lenses, or diverse other equipment. Cowhide.



### Compartment Case FB-14

Handsome semi-soft shoulder bag with full-length zipper and outer pocket. Holds one camera and three lenses up to 80-200mm Nikkor zoom or 300mm f4.5. Fine leather construction.



### Compartment Case FB-15

Compact, exceptionally versatile case with 3 inner partitions plus flexible partition sheets and integral camera pouch. Holds 2 cameras, 2 extra lenses, motor drive and more!



### Compartment Case FB-16

Smallest and lightest of all Nikon compartment cases; holds 1 camera, 2 extra lenses (to 200mm f4) plus motor drive and other aids. Ideal for Nikon FE and FM.



### Shoulder Bag Model 1

Versatile carry-all bag holds an amazing quantity and variety of equipment. Full-length zipper gives access to non-compartmented interior; another zipper opens a small pocket for film or accessories. Stores flat when empty. In soft, black vinyl.



## Nikon Binoculars

Nikon binoculars maintain a tradition of high quality backed by more than fifty years of experience in the design of superior optical instruments. Their optics promise high image brightness, clarity and definition over the entire field of view. Precise workmanship and quality materials and manufacturing assure fine performance and rugged durability over years of service.



You may spend more or less, but you'll not get a better value than a Nikon binocular.

#### SPORT GLASS

765 Model II-3X

#### COMPACT BINOCULAR

701 Binocular 6x18

702 Binocular 7x21

706 Binocular 8x24

#### STANDARD BINOCULAR (Feather Weight)

704 Binocular 7x35

705 Binocular 7x50

#### WIDE FIELD (Feather Weight)

707 Binocular 8x30

710 Binocular 9x35

735 Binocular 12x40

732 Binocular 10x70 IF

#### ROOF PRISM (Feather Weight)

708 Binocular 7x26

711 Binocular 9x30

#### TROPICAL

750 Binocular 7x50 IF