

119 West 17th Street (Bet. 6th & 7th Ave.)
New York, N.Y. 10011

• INFORMATION
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OLYMPUS

PORTABLE VIDEO SYSTEM

High-performance
video photography.

NEW! VX-801 Movie 8

World's smallest and lightest
record/play 8mm camcorder



The VX-801 is the smallest 8mm record play camcorder in the world and weighs only 2.9 pounds, yet incorporates such features as a 6X power zoom lens with macro, full-auto operation, and a CCD (Charge-Coupled Device) that provides pictures of unmatched quality. Other advanced features include a flying erase head to let you make professional-quality, noise-free scene transitions and edits, as well as clean, fine stills.

MAJOR FEATURES:

- f1.2 6X power zoom lens with macro focusing
- 7 lux low-light sensitivity far exceeds the low-light shooting capability of previous 8mm camcorders
- 1/2" CCD image sensor provides extremely high-resolution images in all lighting conditions
- Full auto focus, exposure and white balance, with manual focus, focus lock, and two programmed white balance positions
- Flying erase head for noiseless scene transitions and edits
- High-fidelity sound through special FM recording system, whether recorded live or from other video equipment
- Three-head system for high quality, noiseless, fine stills and the convenience of single frame advance
- One-touch insert editing
- Simple dubbing and editing with any format VCR
- TV program recording and playback capabilities
- Up to 2 hours recording on a single, small 8mm cassette
- Weighs only 2.9 pounds!

Includes: AC Adaptor/Charger AV Connector
One Hour Battery Pack VHF Connecting Cable
Shoulder Strap Audio/Video Cable
Earphone Antenna Adaptor
U.S.A. warranty 90 Minute Tape

Optional Accessories:
Movie 8 Carrying Case Car Battery Cord
Extension Cable Additional Battery Packs (one hour)

CALL FOR PRICES

NEW! VX-404 Compact VHS Movie Camcorder

Greater versatility with greater convenience
Outstanding Performance
Advanced Technology
Supreme ease of use

MAJOR FEATURES:

- f1.2 6x power zoom lens—with 1/1000 of a second shutter speed
- 4 head recorder
- Ultra-sensitive 7 lux low-light shooting capability, for taping in extremely low light
- Piezo Auto focus
- 1/2" CCD image sensor for crisp, high resolution images
- HQ (High Quality) circuitry for enhanced color, detail and clarity
- Full auto focus, exposure and white balance, with manual focus, focus lock, and two programmed white balance positions
- Up to 2 hours 40 minutes of recording time with standard V-120 VHS cassettes
- Convenient instantaneous playback through 3/4" black and white viewfinder or on tv
- Recording capability from a TV or VCR with audio/video outputs
- One-touch fade in/fade out, backlight compensation, and record review, plus automatic date/time recording capability
- Audio dubbing from built-in microphone or external output
- Edit switch
- Built-in macro focusing for extreme close-ups to within 1/2" inch of the lens
- Complete line of optional accessories, including character generator for titles, and tele and wide conversion lenses

Includes: AC Adapter/Charger, 2 hour battery, RF Adapter, AV Adapter, Antenna Adapter, T.V. Connecting Cables, Camera Handle, Shoulder Strap, Earphone, U.S. Warranty

CALL FOR PRICES

MODERN TESTS

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Practical comments: This exquisite, matte black-finished lens is ruggedly made, rather heavy and focuses from infinity to min. dist. in an extremely smooth, 270° clockwise turn of the 5/16 in.-wide ribbed rubber collar. The 3/32 in.-wide aperture ring at the rear is slightly larger than the lens barrel for easy gripping. Very legible white, engraved aperture, depth of field, metric distance scales; footage scale and focal length in gold. Depth-of-field scale calibrated for all apertures. Built-in collapsible lens hood extends 1/2 in.

Field test slides: Our Kodachrome slides were crisp and snappy. At f/1.4 corners were slightly soft, improved markedly by f/2, equaled center sharpness by f/4. Slight falloff in illumination disappeared by f/2. Flare was well controlled. Overall, well above average performance for an f/1.4 normal lens.

Optical bench report (for optical experts): On axis, very slight undercorrected spherical aberration and very slight red/blue flare, both gone by f/2.8. Diffraction limit was reached by f/8.

Off axis, very slight skew-ray flare mixed with very slight coma was seen; almost gone by f/5.6. Very minimal lateral color.

Leitz Ultra-Speed 35mm



No light-weight in size or price, the 35mm f/1.4 Summilux-R is an outstanding performer.

Specifications: 35mm f/1.4 Leitz Summilux-R No.3272845, Leitz R bayonet mount; accepts 67mm accessories; f/1.4-16, half-stop detents; min. foc. dist.: 20 in. (0.5m), 2-7/8 in. long, 2-7/8 in diam., weight 1 lb. 8-9/16 oz. (696g), \$2,328.

Practical comments: This beautifully made lens is large, heavy, solidly built and gorgeously finished in matte black. Its complex 10-element design incorporates rare earth glasses for improved performance. On camera, it balances well despite its size and weight and focuses very smoothly and precisely to its closest focusing distance with a 180° clockwise turn of its 3/4-in. ribbed rubber focusing collar. Aperture ring at the rear of the mount is 3/32-in. wide and is ribbed and wider than the barrel for easy manipulation. Focal length and footage scales are engraved and filled in gold; apertures and comprehensive depth-of-field scale in white. Raised indexing point for fast bayonet mounting. Collapsible lens hood extends 1/2 in.

Field test slides: Our test slides were

sharp and contrasty throughout. Very slight softness in extreme corners disappeared by f/2.8. Corners equaled central sharpness by f/4. Slight light falloff gone by f/2. Flare well controlled throughout. Superior performance for a very fast wide-angle.

Optical bench analysis (for optical experts): On axis, very slight undercorrected spherical aberration, very slight red flare, both gone by f/4. Diffraction limit was reached by f/8.

Off axis, very slight skew-ray flare, mixed with very slight astigmatism, almost gone by f/8. Very minimal lateral color.

PERFORMANCE

Our Standard	As Tested
Focal length: ±5% (33.25-36.75mm)	35.38mm
Aperture: ±5% (f/1.33-1.47)	f/1.47
Distortion: (±2.5%)	under 1% (pinchsn)
Light falloff: at f/5.6 +1 stop from theoretical limit (0-1.9 stops)	1.0 stops

RESOLUTION

SUMMILUX-R 35mm-f/1.4
at 1:50

f/	Center (l/mm)	Corner (l/mm)	Center (l/mm)	Corner (l/mm)
1.4	V. Good	45	Excellent	35
2	Excellent	50	Excellent	45
2.8	V. Good	56	Excellent	45
4	Excellent	63	Excellent	50
5.6	Excellent	70	Excellent	50
8	Excellent	70	Excellent	56
11	Excellent	63	Excellent	50
16	Excellent	56	Excellent	45

CONTRAST

SUMMILUX-R 35mm-f/1.4
at 30 lines/mm

f/	Center (%)	Corner (%)	Center (%)	Corner (%)
1.4	High	46	High	34
2	High	47	High	37
2.8	High	56	High	44
4	High	62	High	49
5.6	High	63	High	50
8	High	65	High	52
11	High	60	High	48
16	High	51	Medium	39

WORKSHOPS

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workshop participants at a discount price. For further information, contact: Anita Starkoff, South Florida Photographic Workshops, P.O. Box 3018, Boca Raton, FL 33431, 305-997-9879.

Gary Hayes Workshops will lead photo-tours through Australia and New Zealand, November 6-21, and Hawaii, December 11-20. Both workshops include evening discussions and demonstration sessions, on-site group shoots and plenty of time for students to explore the exotic landscapes on their own. Picturesque accommodations are provided throughout each tour. College credit is available for both workshops. For additional details, write or call Gary Hayes, P.O. Box 27067, Seattle, WA 98125, 206-363-0740.