

MODERN TESTS



A flash for the R5: One of several dedicated units (see text), Metz's new low-profile 32CT3 bounces and swivels freely on its hot shoe, offers three auto apertures, permits use of any aperture in TTL. Unit can be used off-camera with adaptor cord.

convenient. Since only the shutter release finger is needed and it can stay poised at the ready, the control is easy to use.

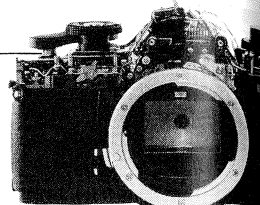
The R5's manual mode is similar to that of the R4. Turn the mode-setting tab until 'm' appears in the mode window and you'll get metered manual exposures using the selective limited-area metering pattern defined by the black circle around the microprism collar in the finder. Both manually set shutter speeds and apertures are visible below the viewing screen, along with the red 'm' symbol. The LED-lit shutter speed scale at the right end of the finder now reads out recommended shutter speeds, which you can set manually by adjusting either the lens diaphragm or shutter-speed dial, or ignore if you wish. Since most photographers use manual metering for precise exposure adjustments in tricky lighting conditions, or for creative exposure control, restricting the 'm' mode to limited area metering makes sense and imposes few penalties.

Now we come to the R5's secret weapon, its variable Program mode. All programmed exposure modes are designed to change both apertures and shut-

ter speeds as needed to provide the correct exposure as the light changes. Most P modes are designed to free the photographer from making decisions about which aperture or shutter speed to use, although some allow you to choose a depth-of-field program biased toward smaller apertures or an action program designed to provide the fastest possible shutter speeds. Some cameras even change their programs automatically when you change lenses or zoom zooms. For the R5, Leitz has come up with, in effect, a thinking person's program that you can control to suit a wide variety of subjects and shooting situations. The variable Program is unquestionably more versatile than most P modes we've encountered, but it requires a knowledgeable photographer to use it fully.

Set P in the mode window and look through the finder and you'll see a red P in a rectangle denoting centerweighted metering. It will flash if you forget to set the lens to its minimum aperture (but you'll still get the right exposure). Also in the finder are two shutter-speed readouts, one reflected below the screen, the other in red, LED-illuminated digits at the

right of the finder. The red readout tells you the shutter speed you'll actually get if you press the shutter release; the other is used to control the program. For example, if the reflected speed below the screen reads "30," then, 1/30 sec. is the point at which the lens begins to stop down while the shutter speed gets faster as the light level increases. In other words, when you're in P mode, setting a manual shutter speed does not directly determine which shutter speed you'll get—it determines to what degree your program will be biased toward faster shutter speeds or



Inside the Leica R5, an enhanced XD-11 chassis is surrounded by extra-thick camera covers for mechanical strength and circuit protection.

smaller apertures. In providing more precisely variable exposure program, or a series of programs governed by the shutter speed setting, Leitz has, in effect, given you ten different programs from which to choose. However, to



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Minimum Resolution Standards

Type	Aperture					
	Max.	Next	Middle			
	lines/mm	lines/mm	lines/mm			
	Center	Corner	Center	Corner	Center	Corner
35mm Camera Lenses						
Fisheye (to 16mm)	36	20	36	20	40	22
17 to 24.5mm	36	20	36	20	40	28
25 to 39.5mm	36	25	36	25	40	28
to 39.5mm faster than f 2.1	36	22	36	22	40	27
40 to 60.5mm	40	25	40	30	45	36
40 to 60.5mm faster than f 1.4	36	24	40	25	45	32
61 to 135mm	36	25	36	28	40	32
136 to 250.5mm	32	25	32	25	40	32
251 to 500.5mm	32	24	32	24	36	32
501mm and longer	32	24	32	24	36	32
Zoom Lenses						
to 39.5mm	32	23	32	23	36	25
40 to 60.5mm	36	25	40	28	45	36
61 to 135.5mm	36	23	40	25	45	28
136mm and longer	28	23	28	23	36	28
2 1/4 x 2 1/4 Camera Lenses						
to 74.5mm	28	14	32	18	32	18
75 to 94.5mm	28	18	32	20	36	22
95mm and longer	25	18	28	20	32	20
2 1/4 x 2 3/4 Camera Lenses						
to 59.5mm	16	9	18	10	22	12
60 to 89.5mm	18	11	20	12	22	14
90 to 119.5mm	20	12	22	14	25	16
120 to 499.5mm	18	11	20	12	22	14
500mm and longer	16	11	18	12	20	14
4 x 5 Camera Lenses						
all	28	22	28	22	34	25