

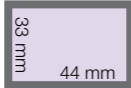
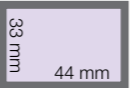


Credo and Digital Backs

Mamiya Leaf

Digital Camera Backs and Lenses Product Range

	Credo 80	Credo 60	Credo 50	Credo 40
Sensors				
Lens factor On 645DF**	1.0	1.0	1.3	1.3
Sensor size effective	53.7 x 40.4 mm	53.9 x 40.4 mm	44 mm x 33mm	44 mm x 33mm
Active pixels, full resolution	10,320 x 7752	8984 x 6732	8280 x 6208	7320 x 5484
Pixel size (micron)	5.2	6	5.3	6
Resolution (megapixels)	80	60	50	40
Light sensitivity (ISO)	35-800	50-800	100-6400	50-800
Exposure time	1/10,000 – 120 seconds	1/10,000 – 60 seconds	1/10,000- 1 Hour	1/10,000 – 60 seconds
Image quality	16 bit 12.5 f-stops	16 bit 12.5 f-stops	14 Bit 14 f-stops	16 bit 12.5 f-stops
Capture time (frames/sec)	0.7	0.8	1.2	1.1
Display	3.2 inch multi touchscreen with 1.15 megapixels 290 ppi (dpi) 16 million colors, 170° viewing angle			

Lens Specifications

																			
	AF 28 mm F4.5 LS Aspherical	AF 28 mm F4.5 D	AF 35 mm F3.5 D	AF 45 mm F2.8 D	AF 55 mm F2.8 LS D	AF 80 mm F2.8 LS	AF 80 mm F2.8 D	AF 110 mm F2.8 LS	AF 120 mm F4.0 Macro	MACRO MF 120 mm F4 D	120 mm F5.6 T/S Aspheric	AF 150 mm F3.5 LS	AF 150 mm F2.8 IF D	AF ULD 210 mm F4 IF	AF 240 mm F4.5 LS IF	40-80mm LS f/4.0-5.6	AF 75-150 mm F4 - 5.6 LS	AF 75-150 mm F4.5 D	AF ULD 105-210 mm F4.5
Aperture range	f/4.5 – f/32	f/4.5 – f/32	f/3.5 – f/22	f/2.8 – f/22	f/2.8 – f/22	f/2.8 – f/22	f/2.8 – f/22	f/2.8 – f/22	f/4.0 – f/32	f/4 – f/32	f/5.6 – f/22	f/3.5 – f/32	f/2.8 – f/22	f/4.0 – f/32	f/4.5 – f/32	f/4.0 – f/32, f/5.6-f/32	f/4.0 – f/32 f/5.6 – f/45	f/4.5 – f/32	f/4.5 – f/32
Min. focus distance	35 cm / 1.15 ft	35 cm / 1.2 ft	35 cm / 1.2 ft	45 cm / 1.4 ft	45 cm / 1.4 ft	70 cm / 2.3 ft	70 cm / 2.3 ft	90 cm / 2.9 ft	37 cm / 1.2 ft	40 cm / 1.3 ft	84 cm / 2.7 ft	150 cm / 4.9 ft	100 cm / 3.3 ft	200 cm / 6.5 ft	170 cm / 5.6 ft	60cm / 1.97ft	100 cm / 3.3 ft	100 cm / 3.3 ft	150 cm / 4.9 ft
Angle of view	102°	102°	90°	76°	65°	47°	47°	35°	32°	32°	8° tilt, 12mm shift, 360° on two axes	26°	26°	19°	17°	82° – 47°	50° - 26°	50° - 26°	37° - 19°
Focusing system	AF/MF	AF/MF	AF/MF	AF/MF	AF/MF	AF/MF	AF/MF	AF/MF	AF/MF	MF	MF	AF/MF	AF/MF	AF/MF	AF/MF	AF/MF	AF/MF	AF/MF	AF/MF
Filter	Sheet filter on the rear mount	Sheet filter on the rear mount	77 mm	67 mm	72 mm	72 mm	67 mm	72 mm	72 mm	67 mm	73 mm	72 mm	72 mm	58 mm	86 mm	105mm	95 mm	77 mm	58 mm
Lens hood	Built-in	Built-in	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet VIII	Bayonet	Bayonet	Built-in	Built-in	Bayonet	Bayonet	Bayonet	Bayonet
Flash sync	1/1600	1/125	1/125	1/125	1/1600	1/1600	1/125	1/1600	1/125	1/125	1/125	1/1600	1/125	1/125	1/1000	1/1,000	1/1600	1/125	1/125
Dimensions (L x W)	136 x 90 mm / 5.35 x 3.54 in	136 x 90 mm / 5.35 x 3.54 in	62 x 84 mm / 2.4 x 3.3 in	73.5 x 77 mm / 1.9 x 3 in	77.6 x 86.5 mm / 3 x 3.4 in	51.5 x 80.5 mm / 2.7 x 3.4 in	51.5 x 80.5 mm / 2 x 3.2 in	83.3 x 86.5 mm / 3.3 x 3.4 in	107 x 91 mm / 4.2 x 3.6 in	111 x 83 mm / 4.4 x 3.25 in	135 x 106 mm / 4.4 x 3.4 in	87.1 x 86.5 mm / 3.4 x 3.4 in	120 x 85 mm / 4.7 x 3.3 in	141 x 86 mm / 5.5 x 3.3 in	173.2 x 104.2 mm / 6.7 x 4.1 in	150 x 111mm / 5.9 x 4.4 in	168 x 105 mm / 6.8 x 4.2 in	145 x 86 mm / 5.7 x 3.4 in	158 x 82 mm / 6.2 x 3.3 in
Weight	1100 g / 1.9 lb	885 g / 1.9 lb	480 g / 1 lb	495 g / 1.1 lb	530 g / 1.3 lb	450 g / 1.1 lb	330 g / 0.7 lb	635 g / 1.5 lb	960 g / 2.12 lb	845 g / 1.8 lb	1110 g / 2.4 lb	645 g / 1.42 lb	780 g / 1.7 lb	750 g / 1.6 lb	1600 g / 3.53 lb	1860g / 4.1lb	1660 g / 3.96 lb	1140 g / 38.99 lb	990 g / 2.1 lb

Focal length conversion table*

	AF 28 mm F4.5 LS D	AF 28 mm F4.5 D	AF 35 mm F3.5 D	AF 45 mm F2.8 D	AF 55 mm F2.8 LS D	AF 80 mm F2.8 LS D	AF 80 mm F2.8 D	AF 110 mm F2.8 LS D	AF 120 mm F4.0 Macro	MACRO MF 120 mm F4 D	120 mm F5.6 T/S	AF 150 mm F3.5 LS D	AF 150 mm F2.8 IF D	AF ULD 210 mm F4 IF	AF 240 mm F4.5 LS IF	40-80mm LS F4.0 - 5.6	AF 75-150 mm LS F4 - 5.6	AF 75-150 mm F4.5 D	AF ULD 105-210 mm F4.5
Credo 80/60	28	28	35	45	55	80	80	110	120	120	120	150	150	210	240	40-80	75-150	75-150	105-210
Credo 40/50	36	36	44	57	70	102	102	140	152	152	152	190	190	267	305	50-101	95-190	95-190	134-267
35 mm Equivalent																			
Credo 80/60	17	17	22	28	34	50	50	68	74	74	74	93	93	130	149	25-50	47-93	47-93	65-130
Credo 40/50	22	22	28	35	43	63	63	87	95	95	95	118	118	166	189	32-64	59-118	59-118	83-166

* Calculations are relative to a sensor size of 53.7 x 40.4.