

The Phase One P+ Product Range



Illustration photo © Drew Gardner

	P 65+	P 40+	P 45+	P 25+	P 30+	P 21+	P 20+
	World's first full frame medium format digital back, featuring Sensor+ with a choice of 60 megapixels for finest resolution or scaled full frame captures for fast workflow and low light versatility.	Fastest digital back with up to 1.8 fps in Sensor+ mode. A choice of 40 or 10 megapixels and an ISO range from 50 to 3200 makes this digital back the most versatile tool in the range.	High resolution shooter with unlimited burst sequences and optimized for large format photography with live preview functionality for easy composition and focus checking	All-round shooter with unlimited burst sequences and optimized for large format photography with live preview functionality for easy composition and focus checking	The top quality fast fashion shooter with ISO 1600, with superior moiré control and well suited for harsh environments	The fast and flexible high-end DSLR alternative with high dynamic range, brilliant ISO 800 and unlimited burst capture. Very useful in large and wide angle photography, and well suited for harsh environments	The square format all-round studio portrait shooter with an attractive price tag. Optimized for 6x6 camera systems as well as large format photography
Lens Factor	1.0	1.3	1.1	1.1	1.3	1.3	1.4
CCD size effective (mm)	53.9 x 40.4	43.9 x 32.9	49.1 x 36.8	48.9x36.7	44.2 x 33.1	44.2 x 33.1	36.9 x 36.9
Active pixels	8984 x 6732	7320 x 5484	7216 x 5412	5436 x 4080	6496 x 4872	4904 x 3678	4080 x 4080
Pixel size (micron)	Full res. 6 x 6 Sensor+ 12 x 12	Full res. 6 x 6 Sensor+ 12 x 12	6.8 x 6.8	9 x 9	6.8 x 6.8	9 x 9	9 x 9
Resolution (Mega pixels)	60.5 15.0	40 10	39	22	31.6	18	16
Light sensitivity (ISO)	50-800 200-3200	50-800 200-3200	50-800	50-800	100-1600	100-800	50-800
Exposure time	1/10000 - 1 minute	1/10.000 - 1 minute	1/10.000 sec. up to one hour with XPose+ technology				
Image Quality	16bit-OptiColor+, 12 f-stops Dynamic+ and Lens+ technology						
Capture time (frames per second**)	1.0 1.4	1.2 1.8	0.67	0.67	0.8	1,25	0,87
Battery Lifetime (captures/ up to stand-by time*)	2000 / 3	2500 / 4	2500 / 4	4000 / 4	3000 / 3	5000	4500
Image buffer	1.3 GB High Speed RAM		640 MB high speed RAM				
Display	2.2" QVGA TFT with 230,000 pixels, high brightness and contrast both indoor and outdoor, very fine details						

Results are based on testing in Phase One's testing department. Variation may be expected due to specific camera set up. Battery used for test is new 2500mAh Li+.

*) Standby Time will vary a lot depending on temperature, usage of battery and state of the back e.g. Zero Latency will increase power consumption significantly

**) Maximum expected performance. The actual performance will be dependent on the camera model and on the camera and digital back capture modes

All specifications are subject to change without notice. # 86711700

The Phase One Lens Range



	28mm	45mm	80mm	120mm	150mm	75-150mm
Aperture Range	f/4.5 – f/32	f/2.8 – f/22	f/2.8 – f/22	f/4 – f/32	f/2.8 – f/22	f/4.5 – f/32
Minimum Focusing Distance	1.15 ft. / 35 cm	1.4 ft. / 45 cm	2.3 ft. / 70 cm	1.3 ft. / 40 cm	3.3 ft. / 100 cm	3.3 ft. / 100 cm
Optical Construction	14 elements 10 groups	9 elements 7 groups	6 elements 5 groups	9 elements 8 groups	8 elements 7 groups	11 elements 10 groups
Angle of View	102°	74°	47°	33°	26°	50° - 26°
Maximum Magnification Ratio	0.15 x	0.13 x	0.15 x	1.00 x	0.19 x	0.09 - 0.16 x
Area Covered	372 x 276 mm	418 x 310 mm	377 x 279 mm	56 x 42 mm	295 x 218 mm	545 x 409 mm (at 75mm) / 293 x 220 mm (at 150mm)
Diaphragm	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Focusing System	Auto Focus / Manual	Auto Focus / Manual	Auto Focus / Manual	Manual (digital focus confirmation)	Auto Focus / Manual	Auto Focus / Manual
Filter	Sheet filter on the rear mount	67mm	67mm	67mm	72mm	77mm
Lens Hood	Built-in	Bayonet	Bayonet	Built-in	Bayonet	Bayonet
Dimensions (L x W)	5.35 x 3.54" 136 x 90 mm	1.9 x 3" 49.5 x 77mm	2 x 3.2" 51.5 x 80.5mm	4.4 x 3.25" 111 x 83 mm	4.7 x 3.3" 120 x 85 mm	5.7 x 3.4" 145 x 86 mm
Weight	1.9 lbs / 886 g 31.01 oz.	1.1 lbs / 492 g 17.35 oz.	0.7 lbs / 330 g 11.6 oz.	1.8 lbs / 835 g 29.2 oz.	1.7 lbs / 780 g 27.3 oz.	2.5 lbs. / 1,114 g / 38.99 oz.

Focal Length conversion table

	28mm	45mm	80mm	120mm	150mm	75-150mm
P 65+	28	45	80	120	150	75-150
P 45+ P 25+	31	50	88	132	165	82-165
P 21+ P 30+	36	58	104	156	195	97-195
35 mm	17	29	50	73	93	47-93