



Optoma model name	A18	A19	A20	A21	A22	A23
Lens name	Short zoom	Wide zoom	Semi-Wide zoom	Standard	Long zoom	Extra-Long zoom
Throw ratio	0.84 ~ 1.02	1.02 ~ 1.36	1.2 ~ 1.5	1.5 ~ 2.0	2.0 ~ 4.0	4.0 ~ 7.2
Zoom ratio	1.2x	1.33x	1.25x	1.33x	2.0x	1.8x
F number	2	2	2.2	2	2.2	2.2
Focal length (f) mm	21.5 ~ 28.7mm	21.5 ~ 28.7mm	25.5 ~ 31.8mm	31.8 ~ 42.1mm	42.4 ~ 84.5mm	84.1 ~ 149.8mm
Zoom and Focus adjustment	Motorised zoom, motorised focus					
Throw distance (m)	0.9m ~ 11.0m	1.1m ~ 14.7m	1.3m ~ 16.2m	1.6m ~ 21.5m	2.2m ~ 43.1m	4.3m ~ 77.6m
Projected image size	50" - 500" diagonal (108 x 67cm to 1077 x 673cm)					
Motorised lens shift	Limited range		Vertical: +/-60% offset, Horizontal: +/- 25% offset			
Brightness ratio	85.00%	90.00%	95.00%	100.00%	90.00%	90.00%