

Panomorph lenses are developed using the most advanced patented lens design techniques and the latest software technologies to produce superior wide-angle images compared to older fisheye and catadioptric lenses.

AUGMENTED RESOLUTION, SUPERIOR QUALITY

Panomorph patented technology uniquely combines controlled MTF, distortion and other parameters like Relative Illumination to ensure the best image quality across the field of view, from the center to the edge.

FLAWLESS VIEWING

Achieve flawless viewing functionality by digitally correcting optical distortion effects (dewarping) and enabling immersive navigation within imagery captured by any device incorporating panomorph optics and ImmerVision Enables 2.0 technology.

M12 MOUNT PANOMORPH LENSES



CBC E1222KRY PANOMORPH LENS

Manufacturer	CBC Group (Japan)	RPL	C9VVT
FOV	185°	Target Sensor	1/1.7"
Focal Length	1.2mm	Image Footprint	5.38mm x 5.38mm
Mount	M12	Lens Ø	24.8mm
TTL	29.9mm	Barrel Ø	29.2mm
F/#	2.2	Ratio	1:1



EVETAR F117B12924IRM12 PANOMORPH LENS

Manufacturer	Evetar/Leading Optics	RPL	B9VVT
FOV	190°	Target Sensor	1/1.7"
Focal Length	1.3mm	Image Footprint	5.4mm x 5.4mm
Mount	M12	Lens Ø	26mm
TTL	29.74mm	Barrel Ø	32mm
F/#	2.4	Ratio	1:1



SUNNY OPTICS SYD2B25A-400 PANOMORPH LENS

Manufacturer	Sunny Optics (Zhongshan)	RPL	C4VVV
FOV	220°	Target Sensor	1/2.3"
Focal Length	1.14mm	Image Footprint	4.5mm x 4.5mm
Mount	M12	Lens Ø	24.9mm
TTL	40mm	Barrel Ø	30mm
F/#	2.2	Ratio	1:1

ASSURED COMPATIBILITY

ImmerVision Enables certified lenses are assigned with a RPL (Registered Panomorph Lens) number that identifies all the panomorph lens characteristics. Gain consistent, superior image quality across the field of view, higher resolution at the edges and flawless dewarping performance by selecting the lens RPL within the certified viewing software.

CUSTOM MOUNT PANOMORPH LENSES



KOLEN KL04Z PANOMORPH LENS

Manufacturer	Kolen (Korea)	RPL	B0QQV
FOV	182°	Target Sensor	1/5"
Focal Length	0.48mm	Image Footprint	2.0mm x 2.0mm
Mount	M5.0	Lens Ø	3.9mm
TTL	3.8mm	Barrel Ø	6.5mm
F/#	2.8	Ratio	1:1



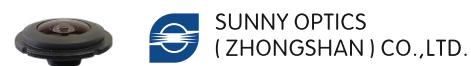
KOLEN KL16618 PANOMORPH LENS

Manufacturer	Kolen (Korea)	RPL	C1ZZV
FOV	187°	Target Sensor	1/2.8"
Focal Length	1.1mm	Image Footprint	3.8mm x 3.8mm
Mount	M5.5	Lens Ø	7.7mm
TTL	7.5mm	Barrel Ø	14.6mm
F/#	2.1	Ratio	1:1



KOLEN KL08618 PANOMORPH LENS

Manufacturer	Kolen (Korea)	RPL	C2TTV
FOV	187°	Target Sensor	1/4"
Focal Length	0.74mm	Image Footprint	2.6mm x 2.6mm
Mount	M5.0	Lens Ø	4.5mm
TTL	5.0mm	Barrel Ø	8.5mm
F/#	2.1	Ratio	1:1



SUNNY OPTICS D2005A-499 PANOMORPH LENS

Manufacturer	Sunny Optics (Zhongshan)	RPL	D0ZZV
FOV	190°	Target Sensor	1/2.8"
Focal Length	1.1mm	Image Footprint	3.84mm x 3.84mm
Mount	M5.5	Lens Ø	7.26mm
TTL	7.5mm	Barrel Ø	14.6mm
F/#	2.1	Ratio	1:1

M12 MOUNT PANOMORPH LENSES



HQO PL-M01-V08 PANOMORPH LENS

Manufacturer	H.Q.O (Korea)	RPL	A8TRT
FOV	182°	Target Sensor	1/2.8"
Focal Length	N/A	Image Footprint	5.11mm x 3.82mm
Mount	M12	Lens Ø	29.5mm
TTL	35.8mm	Barrel Ø	35.0mm
F/#	2.0	Ratio	4:3



CBC H1328KP PANOMORPH LENS

Manufacturer	CBC Group (Japan)	RPL	B4QQV
FOV	180°	Target Sensor	1/2"
Focal Length	1.3mm	Image Footprint	4.6mm x 4.6mm
Mount	M12	Lens Ø	19.5mm
TTL	33.3mm	Barrel Ø	23.5mm
F/#	2.8	Ratio	1:1



CBC L1028KRW PANOMORPH LENS

Manufacturer	CBC Group (Japan)	RPL	B5SST
FOV	180°	Target Sensor	1/2.5"
Focal Length	1.05mm	Image Footprint	4.1mm x 4.1mm
Mount	M12	Lens Ø	20.0mm
TTL	29.88mm	Barrel Ø	27.0mm
F/#	2.8	Ratio	1:1



CBC L1028KRW-180 PANOMORPH LENS

Manufacturer	CBC Group (Japan)	RPL	B6SST
FOV	180°	Target Sensor	1/2.5"
Focal Length	1.05mm	Image Footprint	N/A
Mount	M12	Lens Ø	18.2mm
TTL	29.88mm	Barrel Ø	27.0mm
F/#	2.8	Ratio	1:1



CBC L1028KDRW PANOMORPH LENS (IP66)

Manufacturer	CBC Group (Japan)	RPL	B5SST
FOV	180°	Target Sensor	1/2.5"
Focal Length	1.05mm	Image Footprint	4.1mm x 4.1mm
Mount	M12	Lens Ø	20.0mm
TTL	29.88mm	Barrel Ø	27.0mm
F/#	2.8	Ratio	1:1



CBC T0928KRW PANOMORPH LENS

Manufacturer	CBC Group (Japan)	RPL	B8QQT
FOV	180°	Target Sensor	1/3"
Focal Length	0.95mm	Image Footprint	N/A
Mount	M12	Lens Ø	19.4mm
TTL	30.8mm	Barrel Ø	27.0mm
F/#	2.8	Ratio	1:1

CS-MOUNT PANOMORPH LENSES



FUJINON DF360SR4A-SA2

Manufacturer	Fujifilm (Japan)	RPL	A1UST
FOV	182°	Target Sensor	1/2.5"
Ratio	4:3	Image Footprint	5.32mm x 3.93mm
Mount	CS	F/#	2.0



FUJINON YF360A-2 AND YF360A-SA2

Manufacturer	Fujifilm (Japan)	RPL	A0NKV
FOV	182°	Target Sensor	1/3"
Ratio	4:3	Image Footprint	4.62mm x 3.45mm
Mount	CS	F/#	2.8



IMMERVISION IMV1-1/3 AND IMV1-1/3NI

Manufacturer	ImmerVision (Canada)	RPL	A0IFV
FOV	182°	Target Sensor	1/3"
Ratio	4:3	Image Footprint	4.62mm x 3.45mm
Mount	CS	F/#	2.8

ACHIEVE THE BEST WIDE-ANGLE VIDEO EXPERIENCE WITH IMMERSION ENABLES PANOMORPH CAMERAS

Users benefit from consistent and greater image quality across the field of view, higher resolution at the edges, wider coverage per single camera and flawless dewarping performance every time, as well as instant compatibility with all viewing software.

To learn how to incorporate panomorph technology into your next product visit www.immervisionenables.com