
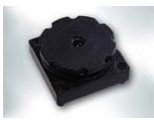


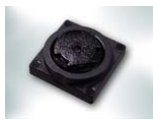




AOCI MOBILE PHONE LENS UNIT

Photo		No Picture					No Picture	No Picture	No Picture	
AO Part NO.	460	381(401)	406	456	491(611)	616	621(630)	671	663	676
Format	1/9" CIF	1/8" VGA	1/6" VGA	1/10" VGA	1/7.5" VGA	1/4" VGA	1/4" VGA	1/7.5" VGA	1/10" VGA	1/6" VGA
SENSOR TYPE	OV 6680 CSP	Toshiba COB	MI-366 COB	MI-380 COB	OV7730 COB	OV7725 CSP	MI-360 COB	OV7730 COB	OV7680	OV7670 CSP
Max Image Circle	2.24mm	2.4mm	3.2mm	2.0mm	2.6mm	5.6MM	4.5mm	2.6mm	2mm	3.3 mm
Pixel Size	3.6μm	2.7μm	3.6μm	2.2μm	3μm	6μm	5.5μm	3μm	2.2μm	3.6 μm
Diagonal F.O.V	54°	65.2°	61.3°	66°	65°	61.2°	66.°	65°	100°	65°
Focal Length	1.42mm	1.784mm	2.49mm	1.55mm	1.9mm	3.948mm	3.673mm	1.9mm	0.752 mm	2.266mm
Total Track (1'st Lens to Sensor)	2.05mm	3.67mm	3.0 mm	2.6mm	2.743mm	5.05mm	4.55mm	2.743mm	2.852 mm	2.719 mm
Mechanical Total Track	2.1mm	3.8mm	3.05mm	2.85mm	2.85mm	5.11mm	4.58mm	2.85mm	3.03	3
F-Number	3.2	2.8	2.8	3.2	2.4	2	2	2	2.8	2.8
Distortion	<-1.5%	<-0.19%	< -2.3%	-8.70%	-1.20%	<1.9%	<1.5%	-1.20%	<1.1%	<0.7%
TV Distortion	0.70%	-0.38%	<-1.0%	-2.85%	-0.50%	0.55%	0.20%	-0.50%	0.10%	0.30%
Back Focal Length	1.27mm	1.821mm	1.0mm	1.89mm	0.906mm	1.615mm	1.483mm	0.906mm	1.348 mm	0.869 mm
Mechanical B.F.L	0.615mm	1.31mm	0.5mm	0.7mm	0.4mm	0.96mm	1.33mm	0.4mm	1.307	0.63
Relative Illumination	>40%	>42%	>30.4%	>75%	>60%	>55%	>56%	>60%	>55%	>50%
Lens Component	1P	2P	2P	1G	3P	3P	3P	3P	2P	2P
Sample Status	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Barrel Size	M4×P0.3	M5×P0.35	M5.0×P0.35	M4 X P 0.3	M4.25×P0.3	M7×P0.35	M6.5×P0.35	M4.25×P0.3	M5*P0.25	M5*0.35
Holder Size	5×5	8×8	6 × 6	4.85 × 4.85	5.1×5.5	8×8	9.4×8	5.1×5.5	6.5*6.5	6.5*6.5
IR(ON HOLDER/BARREL)	BARREL	HOLDER	BARREL	BARREL	BARREL	BARREL	HOLDER	BARREL	Holder	Holder
CRA	CRA<32.9°	CRA<21.4°	CRA<31.0°	CRA<21.0°	CRA<25.5°	CRA<25.3°	CRA<25.3°	CRA<25.5°	CRA<26.8°	CRA<26.6°


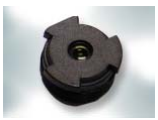





AOCI MOBILE PHONE LENS UNIT

Photo	No Picture		No Picture			No Picture				
AO Part NO.	701	684	707	730	738	696	710	822	353(454)	457
Format	1/13" VGA	1/13" VGA	1/13" VGA	1/6" VGA	1/6" VGA	1/7" VGA	1/11" VGA	1/11" VGA	1/4" 1.3M	1/5.5" 1.3M
SENSOR TYPE	OV7690 CSP	OV7690 CSP	OV7690 CSP	OV7670 CSP	OV7670 COB	OV7660 COB	MI-380 COB	MI-380 COB	MI-1320 COB	OV9660 COB
Max Image Circle	1.8 mm	1.6mm	1.8mm	3.2mm	3.2mm	2.8mm	1.86mm	1.86mm	5.0mm	3.8mm
Pixel Size	1.75 μm	1.75 μm	1.75μm	3.6μm	3.6μm	4.2 μm	2.2 μm	2.2 μm	2.8μm	2μm
Diagonal F.O.V	113.8°	120.8°	66.3°	66.2°	61.3°	66.1°	66.4°	66.4°	61.0°	62°
Focal Length	0.464 mm	0.418mm	1.051mm	2.172mm	2.49mm	2.0mm	1.354mm	1.354mm	3.87mm	2.875mm
Total Track (1'st Lens to Sensor)	2.167 mm	2.846 mm	2.096mm	2.479mm	3.0 mm	2.816mm	1.617mm	1.617mm	5.406mm	3.4mm
Mechanical Total Track	2.34mm	待設計	2.21mm	2.6mm	3.05mm	2.85mm	1.72mm	1.72mm	5.7mm	3.45mm
F-Number	2.8	2.8	2.8	2.8	2.8	2	2.8	2.8	2.8	2.8
Distortion	<-1.6%	<-3%	<2.0%	<1.4%	< -2.3%	1.2%	-0.6%	-0.6%	< 1.3%	0.60%
TV Distortion	-1.20%	-2.6%	0.4%	0.20%	<-1.0%	0.3%	-0.5%	-0.5%	0.35%	-0.15%
Back Focal Length	0.902 mm	1.109 mm	1.061mm	0.819mm	1.04mm	0.814mm	0.7mm	0.7mm	1.886 mm	1.064mm
Mechanical B.F.L	0.58 mm	待設計	0.719mm	0.09mm	0.53 mm	0.4 mm	0.68mm	0.68mm	1.1mm	0.55mm
Relative Illumination	>34%	>46%	>49%	>45%	>46%	>52%	>41.5%	>41.5%	>55.0%	>48%
Lens Component	3P	2P	2P	2P	2P	1Gm2P	2P	2P	3P	3P
Sample Status	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Barrel Size	M4×P0.3	M5.4×P0.25	M3.5×P0.3	M5×P0.3	M5.0×P0.35	M4.25×P0.3	M3.5×P0.2	M3.5×P0.2	M7.0	M5×P0.35
Holder Size	5 × 5	6.5*6.5	×	6.5×6.5	6.05×6.05	5.1 × 5.5	X	X	8.0 × 8.0	6.5×6.5
IR(ON HOLDER/BARREL)	BARREL	HOLDER	HOLDER	BARREL	BARREL	BARREL	Holder	Holder	BARREL	BARREL
CRA	CRA<25.2°	CRA<19.5°	CRA<24.1°	CRA<30.1°	CRA<28.0°	CRA<25.9°	CRA<28.2°	CRA<28.2°	CRA<20°	CRA<25.8°



AOCI MOBILE PHONE LENS UNIT

Photo			No Picture	No Picture		No Picture				No Picture
AO Part NO.	469	740(678)	692	277(465)	438	626(648)	674	477(EDOF)	488	613
Format	1/5.5"1.3M	1/6" 1.3M	1/4" 1.3M	1/3.2" 2M	1/4" 2M	1/5" 2M	1/5" 2M	1/4" 3M	1/4" 3M	1/4" 3M
SENSOR TYPE	OV9660 CSP	MI-1330 COB	MI-1320 COB	MI-SOC2010 COB	MI-2020 COB	OV2650 COB	MI-2030 COB	MI-3130 COB	OV3640 COB	ET8EM1 COB
Max Image Circle	3.6mm	3.2mm	4.8mm	5.7mm	4.6mm	4mm	3.7 mm	4.6mm	4.8mm	4.68mm
Pixel Size	2.0µm	1.75 µm	2.8 µm	2.8µm	2.2µm	1.75 µm	1.75 µm	1.75µm	1.75µm	1.75µm
Diagonal F.O.V	61.9°	65.3°	64.2°	60.88°	63.2°	64.1°	68.8°	70.5°	63.9°	61.36°
Focal Length	2.85mm	2.233 mm	3.605mm	4.9mm	3.525mm	2.755 mm	2.646 mm	3.22mm	3.57mm	3.828mm
Total Track (1'st Lens to Sensor)	3.41mm	3.117 mm	3.928mm	6.65mm	3.99mm	3.458mm	3.311 mm	4.7mm	4.385mm	4.5mm
Mechanical Total Track	3.46mm	3.2mm	3.966mm	6.82mm	4.08mm	3.5mm	3.34mm	4.8mm	4.44mm	5.13mm
F-Number	2.8	2.4	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Distortion	<2%	<0.6%	<1.3%	< 2.0%	<1%	<1.5%	<1.9%	<-1.2%	<0.9%	-1.12%
TV Distortion	<1%	0.10%	0.2%	-0.60%	<0.5%	0.50%	0.70%	<-0.5%	0.20%	0.20%
Back Focal Length	1.15mm	0.849 mm	1.192mm	2.12 mm	1.25mm	1.102 mm	0.967 mm	1.21mm	1.46mm	1.243mm
Mechanical B.F.L	0.62mm	0.72mm	1.016mm	1.87mm	1.24mm	0.65mm	0.52mm	0.8mm	0.97mm	1.02mm
Relative Illumination	>50%	>52%	>50%	>55.5%	>45%	>54%	>47%	>49%	>53%	>49%
Lens Component	3P	3P	3P	1G3P	3P	3P	3P	4P	4P	4P
Sample Status	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Barrel Size	M5.0×P0.35	-	M7×0.35	M7	M6.0	M5.0×P0.35	M5.0×P0.35	M6.5×P0.35	M6.5×P0.35	M6×P0.35
Holder Size	6×6	-	8×8	9 × 9	7×7	6 × 6	6 × 6	8.5×8.5	7.5×7.5	-
IR(ON HOLDER/BARREL)	BARREL	HOLDER	Holder	HOLDER	HOLDER	BARREL	BARREL	HOLDER	BARREL	HOLDER
CRA	CRA<25.0°	CRA<25.2°	CRA<25.1°	CRA<20°	CRA<25°	CRA<25.7°	CRA<25.9°	CRA<25.8°	CRA<24.5°	CRA<27.2°

AOCI MOBILE PHONE LENS UNIT

Photo			No Picture			No Picture	No Picture			
AO Part NO.	627	633	650(488、767)	660	668	675	705	708	733	606(651)
Format	1/3.2" 3M	1/4" 3M	1/4" 3M	1/4" 3.0M	1/4" 3.0M	1/5" 3M	1/4" 3M	1/4" 3M	1/4" 3M	1/3.2" 5M
SENSOR TYPE	ET8EE6 COB	OV3640 CSP	OV3640 COB	VS 6851 COB	VS 6851 COB	MI-3140 COB	OV3640 CSP	OV3640 CSP	MI-3130 COB	MI-5130 COB
Max Image Circle	5.92mm	4.8mm	4.8mm	4.85mm	4.85mm	3.7 mm	4.8mm	4.83mm	4.8mm	6mm
Pixel Size	2.2μm	1.75μm	1.75μm	1.75μm	1.75μm	1.4 μm	1.75μm	1.75 μm	1.75 μm	1.75μm
Diagonal F.O.V	67.9°	63.9°	63.9°	60.8°	60.8°	68.8°	61.5°	66.2°	66.2°	64.3°
Focal Length	4.45mm	3.592mm	3.57mm	3.8mm	3.8mm	2.646 mm	3.788mm	3.41mm	3.44mm	4.469mm
Total Track (1'st Lens to Sensor)	6.178mm	4.53mm	4.385mm	4.748mm	4.748mm	3.311 mm	4.859 mm	4.132mm	3.931mm	5.136mm
Mechanical Total Track	6.45mm	4.58mm	4.87mm	4.8	4.85mm	3.34mm	4.911 mm	4.353mm	3.98mm	5.2mm
F-Number	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Distortion	<-1.5%	<0.9%	<0.9%	<1.0%	<1.0%	<1.9%	<0.5%	0.7%	0.80%	<1%
TV Distortion	-0.60%	0.40%	0.20%	0.40%	0.40%	0.70%	0.4%	0.2%	0.20%	0.60%
Back Focal Length	1.719mm	1.625mm	1.46mm	1.694mm	1.694mm	0.967 mm	1.84mm	1.424mm	1.27mm	1.503mm
Mechanical B.F.L	1.3mm	1.08mm	0.97mm	1.39	1.4 mm	0.52mm	1.511 mm	1.053	1.07	1.17
Relative Illumination	>46%	>55%	>53%	>50.3%	>50.3%	>47%	>55%	>47%	>45%	>45%
Lens Component	1G3P	4P	4P	4P	4P	3P	4P	4P	4P	4P
Sample Status	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
Barrel Size	M7×P0.35	M6.5×P0.35	M7×P0.35	M5.5×P0.35	M6×P0.35	M5×P0.35	M5.5 x0.35	M5.5×0.35	M6×0.35	M7×P0.35
Holder Size	-	7.5×7.5	8×8	8.5*8.5-VCM	7×7	×	8.0x8.0	-	-	AF
IR(ON HOLDER/BARREL)	HOLDER	BARREL	BARREL	HOLDER	HOLDER	BARREL	HOLDER	Holder	Holder	HOLDER
CRA	CRA<25.5°	CRA<24.5°	CRA<24.5°	CRA<23.2°	CRA<23.2°	CRA<25.9°	CRA<23.6°	CRA<26°	CRA<25°	CRA<25.7°

AOCI MOBILE PHONE LENS UNIT

Photo			No Picture	No Picture	No Picture	No Picture				
AO Part NO.	614	636	645	697	704	615				
Format	1/3.2" 5M	1/3.2" 5.0M	1/3.2" 5M	1/3.2" 5.0M	1/3.2" 5M	1/4" 5M				
SENSOR TYPE	ET8EM2	MI-5130 COB	VS6950 COB	OV5630 CSP	OV5630 CSP	MI-SOC5140 COB				
Max Image Circle	6mm	6mm	6mm	6mm	6.0mm	4.8mm				
Pixel Size	1.75μm	1.75 μm	1.75 μm	1.75 μm	1.75μm	1.4μm				
Diagonal F.O.V	75.5°	63.3°	69.3°	63.5°	65.7°	66.7°				
Focal Length	3.596mm	4.55 mm	4.198mm	4.598mm	4.413mm	3.462mm				
Total Track (1'st Lens to Sensor)	5.231mm	5.4 mm	4.98mm	5.551mm	5.359mm	4.448mm				
Mechanical Total Track	5.59	5.5mm	5.069mm	5.62mm	5.731mm	4.5mm				
F-Number	2.8	2.8	2.8	2.8	2.8	2.4				
Distortion	<2%	<0.9%	<0.4%	<0.5%	<-0.6%	<-1.0%				
TV Distortion	0.60%	0.60%	0.60%	0.1%	-0.10%	-0.50%				
Back Focal Length	1.701mm	1.882 mm	1.435mm	2.072mm	1.683mm	1.095mm				
Mechanical B.F.L	1.14	1.55mm	1.198mm	1.8mm	1.431mm	0.757mm				
Relative Illumination	>37%	>53%	>41%	>54%	>51%	>44%				
Lens Component	4P	4P	4P	4P	4P	4P				
Sample Status	OK	OK	OK	OK	OK	OK				
Barrel Size	M7×P0.35	M6×P0.35	M6×P0.35	M6×P0.35	M7×P0.35	M6×P0.35				
Holder Size	10*10-VCM	AF	AF	×	×	×				
IR(ON HOLDER/BARREL)	HOLDER	HOLDER	HOLDER	HOLDER	HOLDER	HOLDER				
CRA	CRA<25.9°	CRA<25.2°	CRA<27°	CRA<25.5°	CRA<27.2°	CRA<26.2°				