

TPL-0420MM		
Resolution		100lp/mm
Sensor size		1/2"
Mount		C-Mount
Focal Length		4mm
F Number		F2.0-F16
BFL		8.77mm
Aperture Type		M-Iris
Field Angle(D×V×H)	1/2"	90°x61.8°x77.4°
	1/3"	73.74°x48.46°x61.93°
	1/4"	53.13°x33.4°x43.6°
Distortion		< -2.8%
Working Distance		0.1m- ∞
Wavelength		400-700nm
Filter size		-
Size		Φ44.5x35.97mm
Weight		130g

Technical drawing of the TPL-0420MM camera module. The drawing shows a side view of the module with various dimensions and specifications. The front lens has a diameter of 44.5mm and a focal length of 4mm. The lens is labeled with '4mm 1:2.0 C 1/2"'. The module has a total length of 35.97mm. The sensor is located 17.526mm from the front lens. The sensor size is 1/2" (9.0mm x 6.18mm x 7.74mm). The sensor is labeled with '1/2" 9.0 6.18 7.74'. The sensor is also labeled with '1/3" 7.374 4.846 6.193' and '1/4" 5.313 3.34 4.36'. The sensor is also labeled with '0.2 0.3 0.5 1 2 4 8 16 32 64 128 256 512 1024 2048 4096 8192 16384 32768 65536 131072 262144 524288 1048576 2097152 4194304 8388608 16777216 33554432 67108864 134217728 268435456 536870912 1073741824 2147483648 4294967296 8589934592 17179869184 34359738368 68719476736 137438953472 274877906944 549755813888 1099511627776 2199023255552 4398046511104 8796093022208 17592186044416 35184372088832 70368744177664 140737488355328 281474976710656 562949953421312 1125899906842624 2251799813685248 4503599627370496 9007199254740992 18014398509481984 36028797018963968 72057594037927936 144115188075855872 288230376151711744 576460752303423488 1152921504606846976 2305843009213693952 4611686018427387904 9223372036854775808 18446744073709551616 36893488147419103232 73786976294838206464 147573952589676412928 295147905179352825856 590295810358705651712 1180591620717411303424 2361183241434822606848 4722366482869645213696 9444732965739290427392 18889465931478580854784 37778931862957161709568 75557863725914323419136 151115727451828646838272 302231454903657293676544 604462909807314587353088 1208925819614629174706176 2417851639229258349412352 4835703278458516698824704 9671406556917033397649408 19342813113834066795298816 38685626227668133590597632 77371252455336267181195264 154742504910672534362390528 309485009821345068724781056 618970019642690137449562112 1237940039285380274899124224 2475880078570760549798248448 4951760157141521099596496896 9903520314283042199192993792 19807040628566084398385987584 39614081257132168796771975168 79228162514264337593543950336 158456325028528675187087900672 316912650057057350374175801344 633825300114114700748351602688 1267650600228229401496703205376 2535301200456458802993406410752 5070602400912917605986812821504 10141204801825835211973625643008 20282409603651670423947251286016 40564819207303340847894502572032 81129638414606681695789005144064 162259276829213363391578010288128 324518553658426726783156020576256 649037107316853453566312041152512 1298074214633706907132624082305024 2596148429267413814265248164610048 5192296858534827628530496329220096 10384593717069655257060992658440192 20769187434139310514121985316880384 41538374868278621028243970633760768 83076749736557242056487941267521536 166153499473114484112975882535043072 332306998946228968225951765070086144 664613997892457936451903530140172288 1329227995784915872903807060280344576 2658455991569831745807614120560689152 5316911983139663491615228241121378304 10633823966279326983230456482242756608 21267647932558653966460912964485513216 42535295865117307932921825928971026432 85070591730234615865843651857942052864 170141183460469231731687303715884105728 340282366920938463463374607431768211456 680564733841876926926749214863536422912 1361129467683753853853498429727072845824 2722258935367507707706996859454145691648 5444517870735015415413993718908291383296 10889035741470030830827987437816582766592 21778071482940061661655974875633165533184 43556142965880123323311949751266331066368 87112285931760246646623899502532662132736 174224571863520493293247799005065324265472 348449143727040986586495598010130648530944 696898287454081973172991196020261297061888 1393796574908163946345982392040522594123776 2787593149816327892691964784081045188247552 5575186299632655785383929568162090376495104 111503725