

**KLT-L9MF-OV2740 V2.0**

**Modulo telecamera a fuoco fisso con interfaccia MIPI  
OmniVision OV2740 da 2MP**



Vista frontale



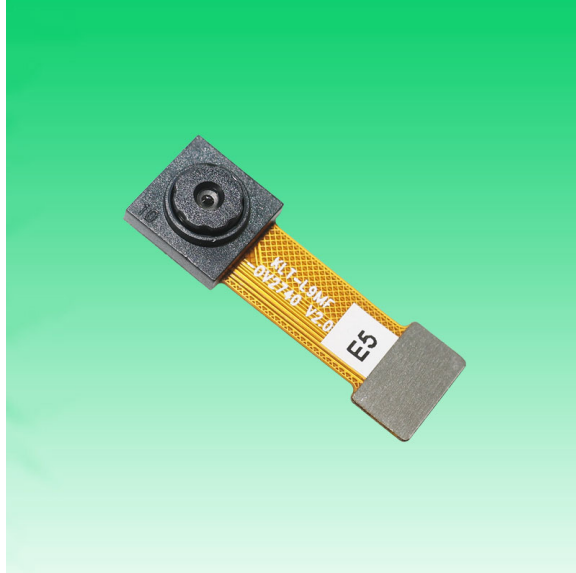
Vista posteriore

**Specifiche**

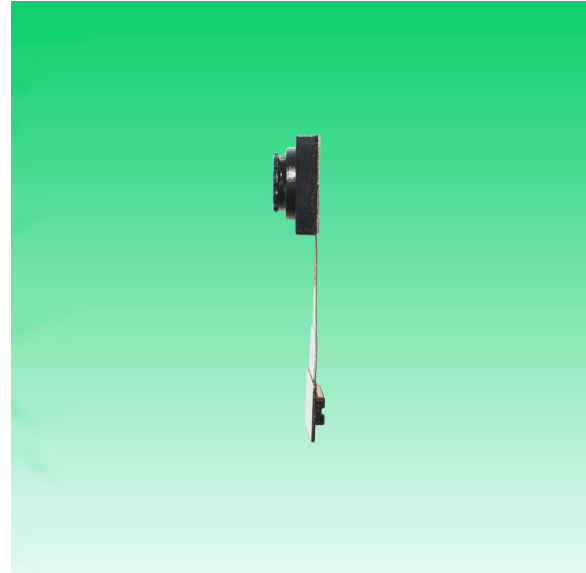
|                                          |                             |
|------------------------------------------|-----------------------------|
| <b>Modulo telecamera n.</b>              | <b>KLT-L9MF-OV2740 V2.0</b> |
| <b>Risoluzione</b>                       | 2MP                         |
| <b>Sensore d'immagine</b>                | OV2740                      |
| <b>Tipo di sensore</b>                   | 1/6"                        |
| <b>Dimensione pixel</b>                  | 1.4 $\mu$ m x 1.4 $\mu$ m   |
| <b>EFL</b>                               | 2.59 mm                     |
| <b>F.NO</b>                              | 2.80                        |
| <b>Pixel</b>                             | 1920 x 1080                 |
| <b>Vista ad angolo</b>                   | 57.6°(DFOV)                 |
| <b>Dimensioni dell'obiettivo</b>         | 8.00 x 8.00 x 3.75 mm       |
| <b>Dimensioni del modulo</b>             | 25.00 x 8.00 mm             |
| <b>Tipo di modulo</b>                    | Messa a fuoco fissa         |
| <b>Interfaccia</b>                       | MIPI                        |
| <b>Circuito integrato Autista AF VCM</b> | Nessuno                     |
| <b>Tipo di lente</b>                     | Taglio IR a 650 nm          |
| <b>temperatura di esercizio</b>          | -30°C to +85°C              |
| <b>Connettore di accoppiamento</b>       | DF30FC-24DS-0.4V            |

**KLT-L9MF-OV2740 V2.0**

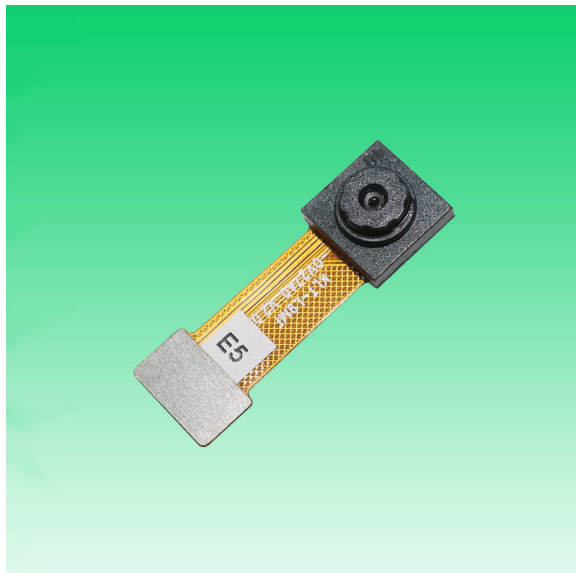
**Modulo telecamera a fuoco fisso con interfaccia MIPI  
OmniVision OV2740 da 2MP**



Vista dall'alto



Vista laterale



Vista dal basso



Connettore di accoppiamento



**Periodic table of Elements**

Legend:

- Hydrogen (Gas)
- Alkali Metals
- Alkaline Earth Metals
- Transition Metals
- Other Metals
- Metalloids
- Non-metals
- Halogens
- Noble Gases
- Lanthanides
- Actinides

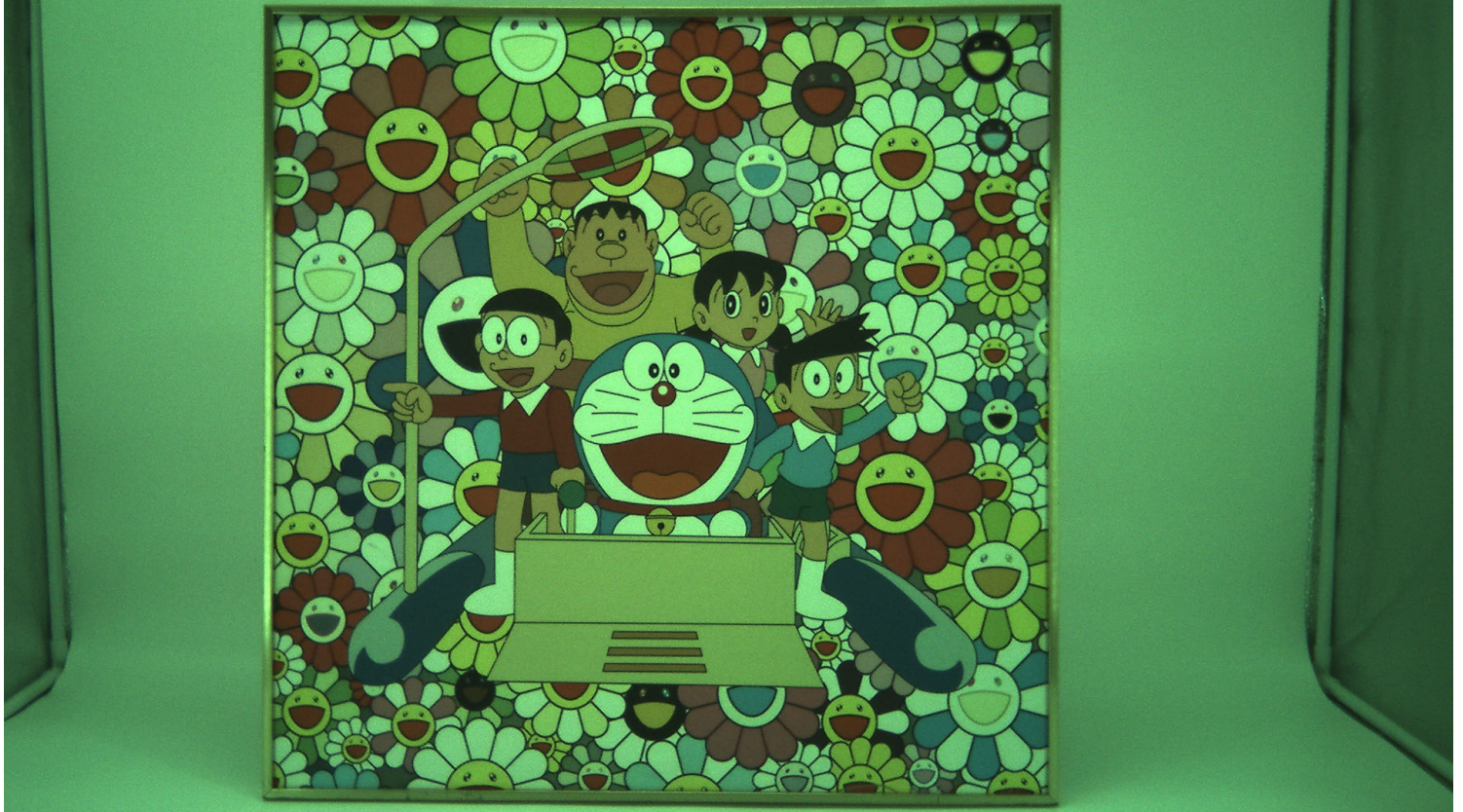
Average Atomic Mass: 6,941

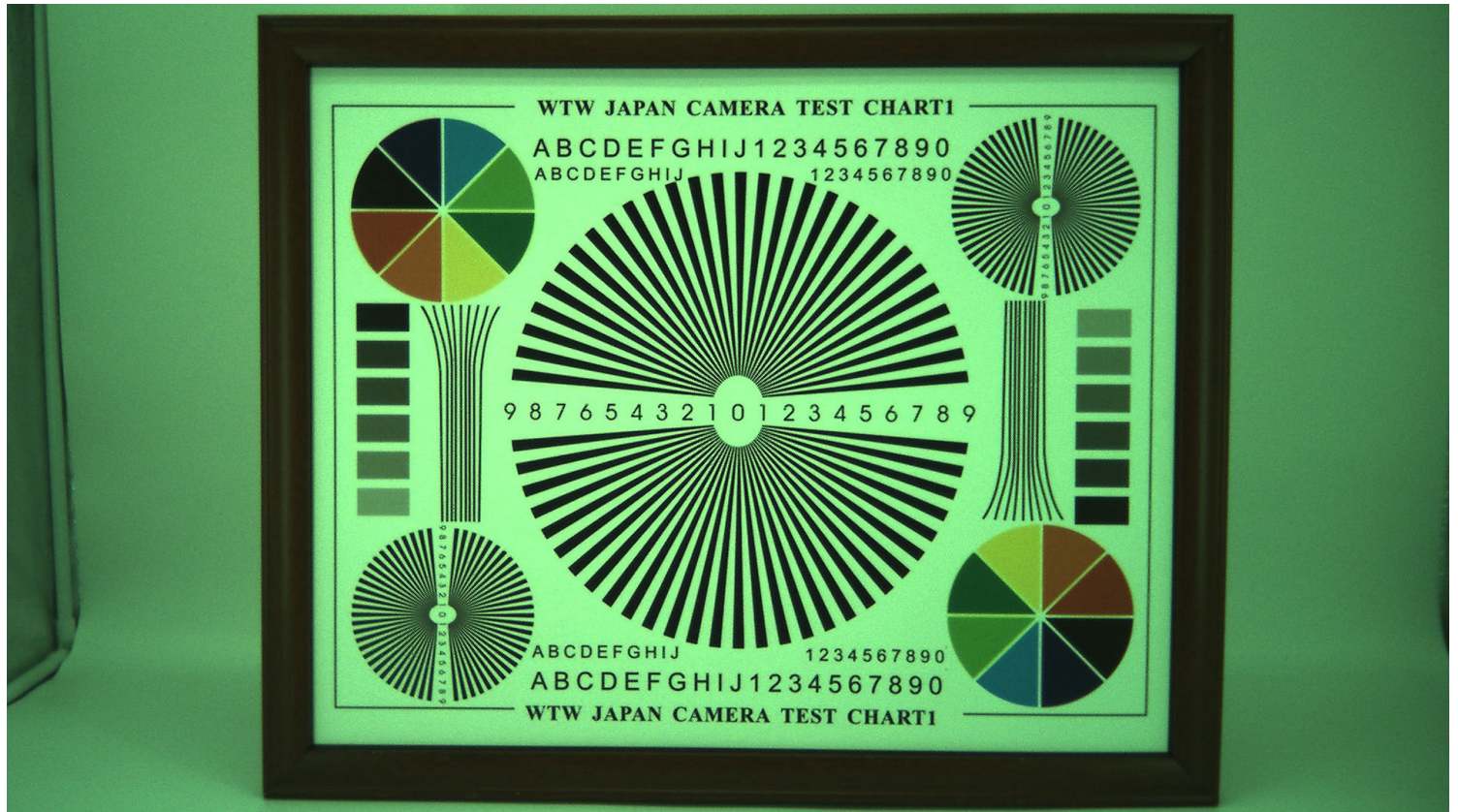
Atomic Number: 3

Name: Li

Symbol: Li

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    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|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 | 1001 | 1002 | 1003 | 1004 | 1005 | 1006 | 1007 | 1008 | 1009 | 1010 | 1011 | 1012 | 1013 | 1014 | 1015 | 1016 | 1017 | 1018 | 1019 | 1020 | 1021 | 1022 | 1023 | 1024 | 1025 | 1026 | 1027 | 1028 | 1029 | 1030 | 1031 | 1032 | 1033 | 1034 | 1035 | 1036 | 1037 | 1038 | 1039 | 1040 | 1041 | 1042 | 1043 | 1044 | 1045 | 1046 | 1047 | 1048 | 1049 | 1050 | 1051 | 1052 | 1053 | 1054 | 1055 | 1056 | 1057 | 1058 | 1059 | 1060 | 1061 | 1062 | 1063 | 1064 | 1065 | 1066 | 1067 | 1068 | 1069 | 1070 | 1071 | 1072 | 1073 | 1074 | 1075 | 1076 | 1077 | 1078 | 1079 | 1080 | 1081 | 1082 | 1083 | 1084 | 1085 | 1086 | 1087 | 1088 | 1089 | 1090 | 1091 | 1092 | 1093 | 1094 | 1095 | 1096 | 1097 | 1098 | 1099 | 1100 | 1101 | 1102 | 1103 | 1104 | 1105 | 1106 | 1107 | 1108 | 1109 | 1110 | 1111 | 1112 | 1113 | 1114 | 1115 | 1116 | 1117 | 1118 | 1119 | 1120 | 1121 | 1122 | 1123 | 1124 | 1125 | 1126 | 1127 | 1128 | 1129 | 1130 | 1131 | 1132 | 1133 | 1134 | 1135 | 1136 | 1137 | 1138 | 1139 | 1140 | 1141 | 1142 | 1143 | 1144 | 1145 | 1146 | 1147 | 1148 | 1149 | 1150 | 1151 | 1152 | 1153 | 1154 | 1155 | 1156 | 1157 | 1158 | 1159 | 1160 | 1161 | 1162 | 1163 | 1164 | 1165 | 1166 | 1167 | 1168 | 1169 | 1170 | 1171 | 1172 | 1173 | 1174 | 1175 | 1176 | 1177 | 1178 | 1179 | 1180 | 1181 | 1182 | 1183 | 1184 | 1185 | 1186 | 1187 | 1188 | 1189 | 1190 | 1191 | 1192 | 1193 | 1194 | 1195 | 1196 | 1197 | 1198 | 1199 | 1200 | 1201 | 1202 | 1203 | 1204 | 1205 | 1206 | 1207 | 1208 | 1209 | 1210 | 1211 | 1212 | 1213 | 1214 | 1215 | 1216 | 1217 | 1218 | 1219 | 1220 | 1221 | 1222 | 1223 | 1224 | 1225 | 1226 | 1227 | 1228 | 1229 | 1230 | 1231 | 1232 | 1233 | 1234 | 1235 | 1236 | 1237 | 1238 | 1239 | 1240 | 1241 | 1242 | 1243 | 1244 | 1245 | 1246 | 1247 | 1248 | 1249 | 1250 | 1251 | 1252 | 1253 | 1254 | 1255 | 1256 | 1257 | 1258 | 1259 | 1260 | 1261 | 1262 | 1263 | 1264 | 1265 | 1266 | 1267 | 1268 | 1269 | 1270 | 1271 | 1272 | 1273 | 1274 | 1275 | 1276 | 1277 | 1278 | 1279 | 1280 | 1281 | 1282 | 1283 | 1284 | 1285 | 1286 | 1287 | 1288 | 1289 | 1290 | 1291 | 1292 | 1293 | 1294 | 1295 | 1296 | 1297 | 1298 | 1299 | 1300 | 1301 | 1302 | 1303 | 1304 | 1305 | 1306 | 1307 | 1308 | 1309 | 1310 | 1311 | 1312 | 1313 | 1314 | 1315 | 1316 | 1317 | 1318 | 1319 | 1320 | 1321 | 1322 | 1323 | 1324 | 1325 | 1326 | 1327 | 1328 | 1329 | 1330 | 1331 | 1332 | 1333 | 1334 | 1335 | 1336 | 1337 | 1338 | 1339 | 1340 | 1341 | 1342 | 1343 | 1344 | 1345 | 1346 | 1347 | 1348 | 1349 | 1350 | 1351 | 1352 | 1353 | 1354 | 1355 | 1356 | 1357 | 1358 | 1359 | 1360 | 1361 | 1362 | 1363 | 1364 | 1365 | 1366 | 1367 | 1368 | 1369 | 1370 | 1371 | 1372 | 1373 | 1374 | 1375 | 1376 | 1377 | 1378 | 1379 | 1380 | 1381 | 1382 | 1383 | 1384 | 1385 | 1386 | 1387 | 1388 | 1389 | 1390 | 1391 | 1392 | 1393 | 1394 | 1395 | 1396 | 1397 | 1398 | 1399 | 1400 | 1401 | 1402 | 1403 | 1404 | 1405 | 1406 | 1407 | 1408 | 1409 | 1410 | 1411 | 1412 | 1413 | 1414 | 1415 | 1416 | 1417 | 1418 | 1419 | 1420 | 1421 | 1422 | 1423 | 1424 | 1425 | 1426 | 1427 | 1428 | 1429 | 1430 | 1431 | 1432 | 1433 | 1434 | 1435 | 1436 | 1437 | 1438 | 1439 | 1440 | 1441 | 1442 | 1443 | 1444 | 1445 | 1446 | 1447 | 1448 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-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| RoHS |           | Version |  |  | Information            |  |  |
|------|-----------|---------|--|--|------------------------|--|--|
| PIN  | SIGNAL    | V1.0    |  |  | First Version          |  |  |
| 1    | AVDD2.8V  | V2.0    |  |  | Change lens and holder |  |  |
| 2    | DVDD1.2V  |         |  |  |                        |  |  |
| 3    | DOVDD1.8V |         |  |  |                        |  |  |
| 4    | XVCLK     |         |  |  |                        |  |  |
| 5    | XSHUTDN   |         |  |  |                        |  |  |
| 6    | PWDN      |         |  |  |                        |  |  |
| 7    | SDA       |         |  |  |                        |  |  |
| 8    | SCL       |         |  |  |                        |  |  |
| 9    | STROBE    |         |  |  |                        |  |  |
| 10   | DGND      |         |  |  |                        |  |  |
| 11   | NC        |         |  |  |                        |  |  |
| 12   | NC        |         |  |  |                        |  |  |
| 13   | NC        |         |  |  |                        |  |  |
| 14   | NC        |         |  |  |                        |  |  |
| 15   | FSIN      |         |  |  |                        |  |  |
| 16   | NC        |         |  |  |                        |  |  |
| 17   | NC        |         |  |  |                        |  |  |
| 18   | SID       |         |  |  |                        |  |  |
| 19   | MCP       |         |  |  |                        |  |  |
| 20   | MCN       |         |  |  |                        |  |  |
| 21   | MDP0      |         |  |  |                        |  |  |
| 22   | MDN0      |         |  |  |                        |  |  |
| 23   | MDP1      |         |  |  |                        |  |  |
| 24   | MDN1      |         |  |  |                        |  |  |

1080

1920

Ø6.00

Ø5.00

8.00±0.15

25.00±0.20

8.00±0.15

6.00±0.10

5.00±0.10

8.00±0.10

TOP VIEW

SIDE VIEW

BOTTOM VIEW

57.6°

0.80

3.75±0.20

2.62±0.10

1.92±0.10

0.20±0.05

Steel Grouding

0.12±0.03

FPC Adhesiveless

FCCL, ED

DF30FC-24DP-0.4V

0.20±0.05

Steel Grouding

2.50

4.00

6.50

6.50

4xØ0.60

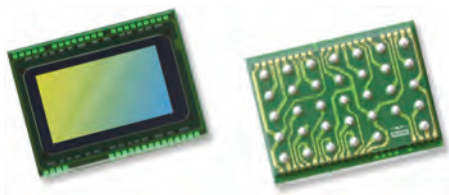
1

2

3

4

| Parameter:                        |  | Kai Lap Technologies Group Ltd |                      |
|-----------------------------------|--|--------------------------------|----------------------|
| 1、Sensor specification:           |  | Designed By                    | Kevin                |
| Image Sensor: OV2740              |  | Model Name:                    | KLT-L9MF-OV2740 V2.0 |
| Pixel: 1.4um*1.4um                |  | Projection Type:               | Unit: mm             |
| Lens Type: 1/6                    |  | Scale:                         | 1:1                  |
| Important Voltage Description:    |  | Date:                          | 5/16/2024            |
| DVDD1.2V (external power supply); |  | Sheet:                         | 1 of 1               |
|                                   |  | Version:                       | 1/0                  |



# OV2740 1080p product brief



available in  
a lead-free  
package

## World's Most Power-Efficient 1080p/60 High Definition Image Sensor for Front-Facing Camera Applications

OmniVision's OV2740 PureCel™ is an ultra-low power, full high-definition (FHD) image sensor for front-facing camera applications in smartphones, tablets, notebooks and Ultrabooks. By consuming under 90 mW when recording 1080p HD video at 60 frames per second (fps), the OV2740 is the lowest power 1080p/60 image sensor currently on the market.

Built on a 1.4-micron pixel, the OV2740 PureCel image sensor boasts a signal-to-noise ratio of less than 50 lux, with improvements in full-well capacity (FWC) and sensitivity. The sensor records best-in-class 1080p HD video at 60 fps and 720p HD video at 90 fps, and uses

staggered high dynamic range (HDR) to minimize motion artifacts to capture crisp, clear video in difficult lighting conditions.

The OV2740 is the only 1080p HD image sensor to feature light-sensing mode (LSM) and ultra-low power mode (ULPM), enabling advanced features such as motion detection or gesture control. Additionally, the sensor is stereo ready with frame synchronization to support a host of depth perception applications. The OV2740 fits into a compact 5.5 x 5.5 x 3 mm module.

Find out more at [www.ovt.com](http://www.ovt.com).



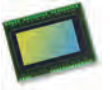
## Applications

- Smartphones
- Ultrabooks and Notebooks
- Tablets
- Digital Still Cameras (DSC)
- Digital Video Camcorders (DVC)
- PC Multimedia

## Product Features

- 1.4  $\mu\text{m}$  x 1.4  $\mu\text{m}$  pixel
- optical size of 1/6"
- programmable controls for frame rate, mirror and flip, cropping, and windowing
- supports output formats: 10-bit RAW RGB
- supports images sizes:
  - 1080p (1920x1080)
  - 720p (1280x720)
  - VGA (640x480)
  - QVGA (320x240)
  - QQVGA (160x120)
- supports 2x2 binning
- standard serial SCCB interface
- up to 2-lane MIPI serial output interface (supports maximum speed up to 1000 Mbps/lane)
- embedded 4 kilobits of one-time programmable (OTP) memory for customer use
- add staggered HDR raw data output
- interleave row high dynamic range (iHDR) output
- programmable I/O drive capability
- power saving (PSV) mode
- support for LENC color shading correction

# OV2740



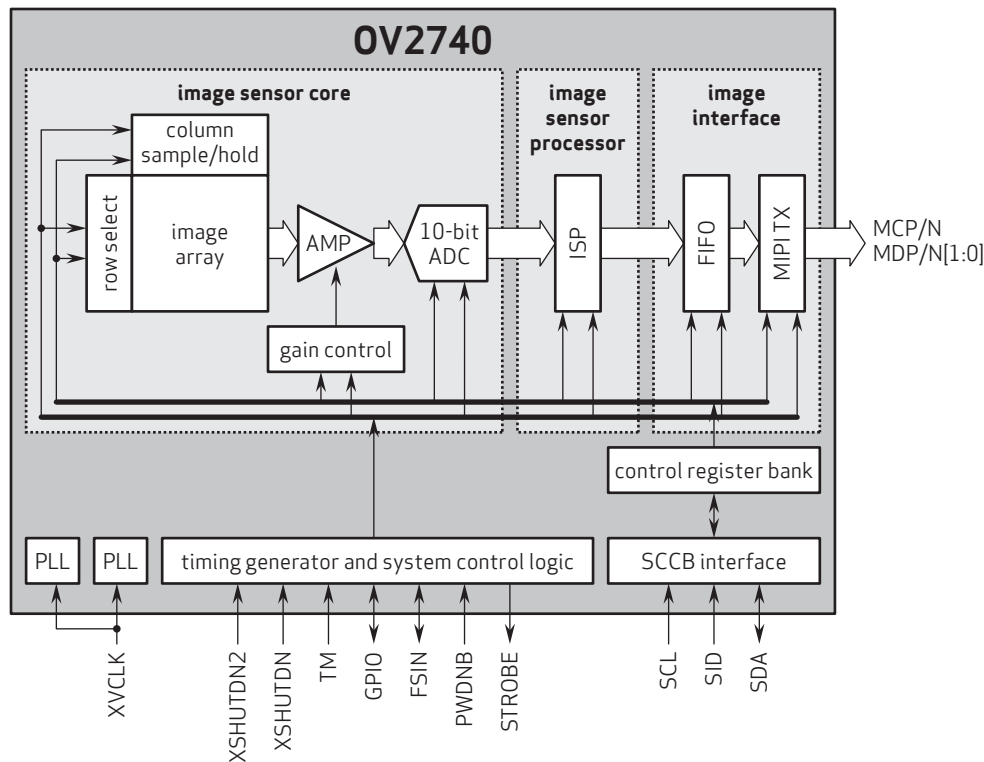
## Ordering Information

- OV02740-H34A-Z  
(color, lead-free, 34-pin CSP5)

## Product Specifications

- active array size: 1920 x 1080
- lens size: 1/6"
- lens chief ray angle: 33° non-linear
- input clock frequency: 6 - 27 MHz
- maximum image transfer rate:
  - 1080p: 60 fps
  - 720p: 90 fps
- scan mode: progressive
- pixel size: 1.4  $\mu\text{m}$  x 1.4  $\mu\text{m}$
- image area: 2728.8  $\mu\text{m}$  x 1549.8  $\mu\text{m}$
- package dimensions:
  - CSP5: 3855  $\mu\text{m}$  x 2919  $\mu\text{m}$
- power supply:
  - core: 1.2V
  - analog: 2.8V
  - I/O: 1.8V
- power requirements:
  - active: 86.7 mW
  - standby: 250  $\mu\text{A}$
  - XSHUTDN: 0.15  $\mu\text{A}$
- temperature range:
  - operating: -30°C to +85°C junction temperature
  - stable image: 0°C to +60°C junction temperature
- output formats: 10-bit RAW RGB data

## Functional Block Diagram



4275 Burton Drive  
Santa Clara, CA 95054  
USA

Tel: +1 408 567 3000  
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www.ovt.com

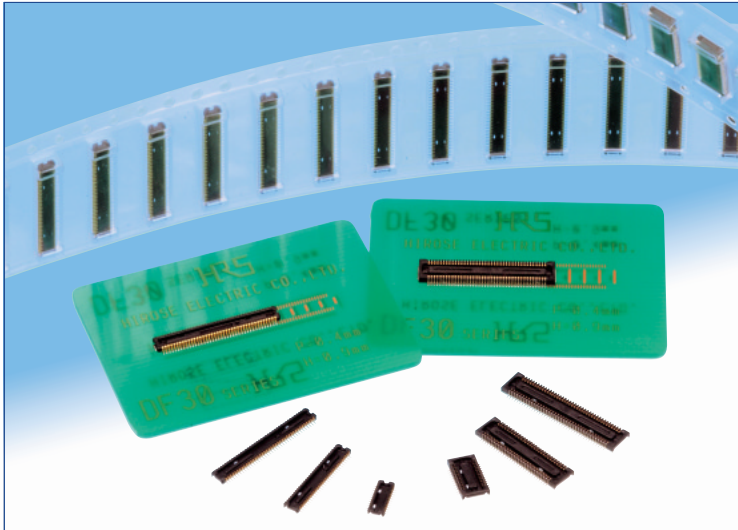
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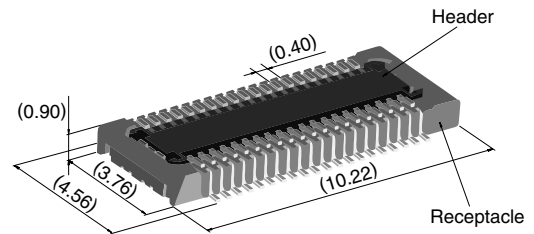
**OmniVision**

# 0.4 mm Pitch, 0.9 mm Height, Board-to-Board / Board-to-FPC Connectors

## DF30 Series



### Extremely small size



40 positions shown

### Overview

Continuous miniaturization and increased component density on PCB created demand for extremely low profile connectors. This series is addition of a new extremely low profile connectors to Hirose's wide range of high reliability board-to-board/board-to-FPC connection solutions.

### Features

#### 1. Contact reliability

Concentration of the contact's normal forces at the single point assures good contact wipe and electrical reliability, while confirming the fully mated condition with a definite tactile click.

#### 2. Self alignment

Recognizing the difficulties of mating extremely small connectors in limited spaces the connectors will self align in horizontal axis within 0.3 mm.

#### 3. Automatic board placement

Packaged on tape-and-reel the plug and headers have sufficiently large flat areas to allow pick-up with vacuum nozzles of automatic placement equipment.

#### 4. Variety of contact positions and styles

Available in standard contact positions of: 20, 22, 24, 30, 34, 40, 50, 60, 70 and 80 with and without metal fittings. Addition of metal fittings does not affect external dimensions of the connectors.

Smaller contact positions are also available.

#### 5. Support for continuity test connector

Connectors which have increased insertion and removal durability are available for continuity tests. Contact your Hirose sales representative for details.

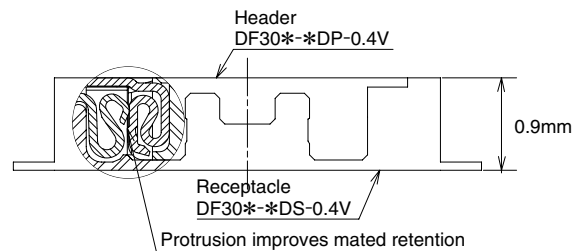
### Applications

Cellular phones, PDA's, mobile computers, digital cameras, digital video cameras, and other devices demanding high reliability connections in extremely limited spaces.

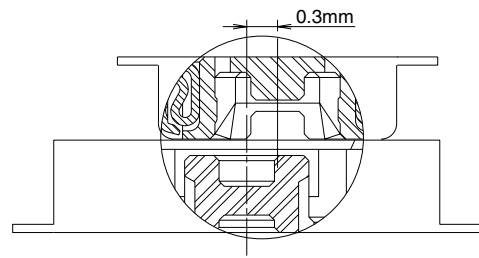
### Low profile

### Increased mated retention

### High contact reliability



### Self alignment



## ■Product Specifications

|        |                                            |                                                                                                               |                                                                                                                |
|--------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Rating | Rated current 0.3A<br>Rated voltage 30V AC | Operating temperature range : -35℃ to 85℃ (Note 1)<br>Operating humidity range : Relative humidity 20% to 80% | Storage temperature range -10℃ to 60℃ (Note 2)<br>Storage humidity range Relative humidity 40% to 70% (Note 2) |
|--------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|

| Item                                      | Specification                                                        | Conditions                                                                                   |
|-------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| 1. Insulation resistance                  | 50 MΩ min.                                                           | 100V DC                                                                                      |
| 2. Withstanding voltage                   | No flashover or insulation breakdown.                                | 100V AC / one minute                                                                         |
| 3. Contact resistance                     | 100 mΩ max.                                                          | 100 mA                                                                                       |
| 4. Vibration                              | No electrical discontinuity of 1 μs or more                          | Frequency: 10 to 55 Hz, single amplitude of 0.75mm, 2 hours, 3 axis                          |
| 5. Humidity                               | Contact resistance: 100 mΩ max.<br>Insulation resistance: 25 MΩ min. | 96 hours at temperature of 40℃±2℃ and RH of 90% to 95%                                       |
| 6. Temperature cycle                      | Contact resistance: 100 mΩ max.<br>Insulation resistance: 50 MΩ min. | Temperature: -55℃→+5℃ to +35℃→+85℃→+5℃ to +35℃<br>Duration: 30→10→30→10(Minutes)<br>5 cycles |
| 7. Durability<br>(insertions/withdrawals) | Contact resistance: 100 mΩ max.                                      | 50 cycles(Connector for conductivity tests: 500 cycles)                                      |
| 8. Resistance to soldering heat           | No deformation of components affecting performance.                  | Reflow: At the recommended temperature profile<br>Manual soldering: 300℃ for 3 seconds       |

Note 1: Includes temperature rise caused by current flow.

Note 2: The term "storage" refers to products stored for long period of time prior to mounting and use. Operating temperature range and humidity range covers non-conducting condition of installed connectors in storage, shipment or during transportation.

## ■Materials and Finishes

| Connectors              | Component      | Material        | Finish            | Remarks |
|-------------------------|----------------|-----------------|-------------------|---------|
| Receptacles and Headers | Insulator      | LCP             | Color : Black     | UL94V-0 |
|                         | Contacts       | Phosphor bronze | Gold plated       | ————    |
|                         | Metal fittings | Phosphor bronze | Tin-copper plated | ————    |

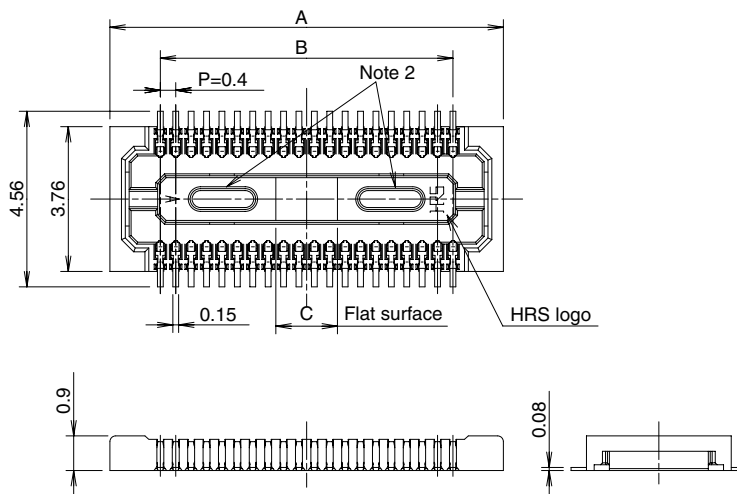
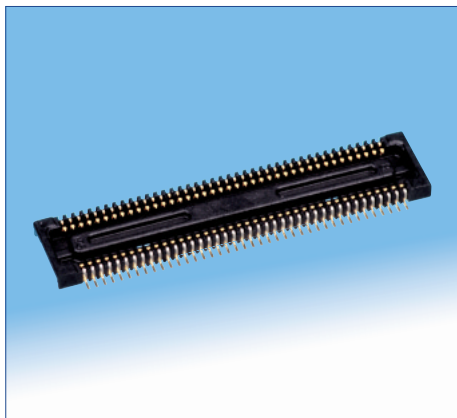
## ■Ordering information

### ●Receptacles and Headers

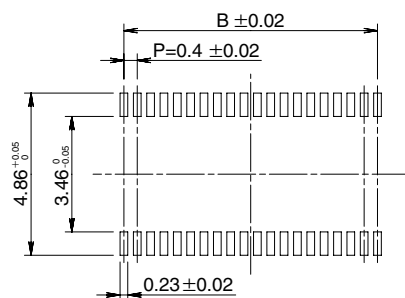
DF30   FC -   \*   DS - 0.4   V   (\*\*)  
           ①       ②       ③       ④       ⑤       ⑥       ⑦

|                                                                                                                                                  |                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| ① Series name: DF30                                                                                                                              | ⑤ Contact pitch: 0.4 mm                                                                                                       |
| ② Configuration<br>FB: With metal fittings, without bosses<br>FC: Without metal fittings, without bosses<br>CJ: Connector for conductivity tests | ⑥ Termination section<br>V: Straight SMT                                                                                      |
| ③ Number of positions: 20, 22, 24, 30, 34, 40, 50, 60, 70, 80                                                                                    | ⑦ Packaging<br>(81): Embossed tape packaging (5,000 pieces per reel)<br>(82): Embossed tape packaging (1,000 pieces per reel) |
| ④ Connector type<br>DS: Double row receptacle<br>DP: Double row header                                                                           |                                                                                                                               |

## ■Receptacles (without metal fittings)



## ◆Recommended PCB mounting pattern



Recommended solder paste thickness: 120  $\mu$ m

[Specification number] -\*\*, (\*\*)

(81): Embossed tape packaging (5,000 pieces per reel)

\* Tolerances non- accumulative.

Unit: mm

| Part Number          | CL No.           | Number of contacts | A     | B    | C    |
|----------------------|------------------|--------------------|-------|------|------|
| DF30FC-20DS-0.4V(**) | CL684-1109-8-**- | 20                 | 6.22  | 3.6  | 1.2  |
| DF30FC-22DS-0.4V(**) | CL684-1110-7-**- | 22                 | 6.62  | 4.0  | 1.2  |
| DF30FC-24DS-0.4V(**) | CL684-1111-0-**- | 24                 | 7.02  | 4.4  | 1.2  |
| DF30FC-30DS-0.4V(**) | CL684-1112-2-**- | 30                 | 8.22  | 5.6  | 1.2  |
| DF30FC-34DS-0.4V(**) | CL684-1113-5-**- | 34                 | 9.02  | 6.4  | 1.36 |
| DF30FC-40DS-0.4V(**) | CL684-1078-6-**- | 40                 | 10.22 | 7.6  | 1.6  |
| DF30FC-50DS-0.4V(**) | CL684-1114-8-**- | 50                 | 12.22 | 9.6  | 2.0  |
| DF30FC-60DS-0.4V(**) | CL684-1082-3-**- | 60                 | 14.22 | 11.6 | 2.4  |
| DF30FC-70DS-0.4V(**) | CL684-1115-0-**- | 70                 | 16.22 | 13.6 | 2.8  |
| DF30FC-80DS-0.4V(**) | CL684-1116-3-**- | 80                 | 18.22 | 15.6 | 3.2  |

Note 1: Order by number of reels.

Note 2: Receptacles with 24 or fewer contacts positions will not have recessed areas.

Applicazioni per fotocamere

*your BEST camera module partner*



Pilota automobilistico



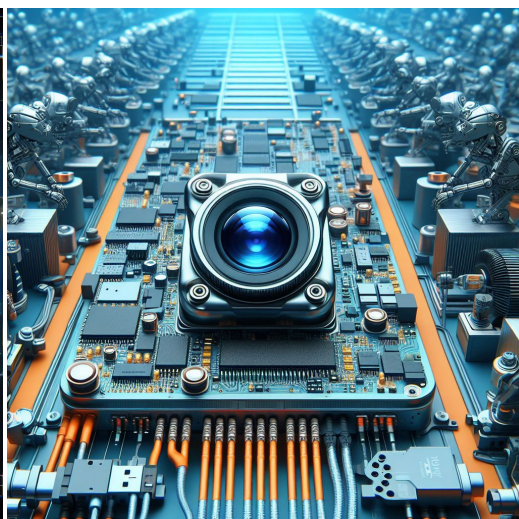
Diretta streaming



Video conferenza



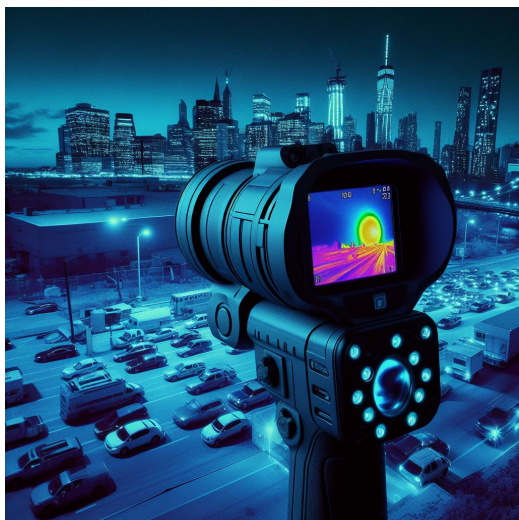
Rilevamento biometrico Eye Tracker



Visione artificiale



Monitor agricolo



Sicurezza della visione notturna



Drone e occhi d'aquila sportivi



Fotocamera interattiva per animali domestici



Applicazioni per fotocamere

*your BEST camera module partner*



## Tabella di riferimento per la definizione dei pin del modulo telecamera

| OmniVision Sony Himax Samsung On-Semi Aptina Himax GalaxyCore PixArt Sensori di immagine |                                                          |
|------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Segnale pin</b>                                                                       | <b>Descrizione</b>                                       |
| DGND GND                                                                                 | terra per il circuito digitale                           |
| AGND                                                                                     | terra per il circuito analogico                          |
| PCLK DCK                                                                                 | Uscita PCLK DVP                                          |
| XCLR PWDN XSHUTDOWN STANDBY                                                              | spegnimento attivo alto con resistenza pull-down interna |
| MCLK XVCLK XCLK INCK                                                                     | orologio di ingresso del sistema                         |
| RESET RST                                                                                | reset attivo basso con resistenza pull-up interna        |
| NC NULL                                                                                  | non connesso                                             |
| SDA SIO_D SIOD                                                                           | Dati SCCB                                                |
| SCL SIO_C SOIC                                                                           | Orologio di ingresso SCCB                                |
| VSYNCS VFS                                                                               | Uscita DVP VSYNC                                         |
| HREF XHS                                                                                 | Uscita DVP HREF                                          |
| DOVDD                                                                                    | alimentazione per il circuito I/O                        |
| AFVDD                                                                                    | power for VCM circuit                                    |
| AVDD                                                                                     | alimentazione per il circuito VCM                        |
| DVDD                                                                                     | potenza per il circuito digitale                         |
| STROBE FSTROBE                                                                           | uscita stroboscopica                                     |
| FSIN                                                                                     | sincronizzare il segnale VSYNC dall'altro sensore        |
| SID                                                                                      | Ingresso ID ultimo bit SCCB                              |
| ILPWM                                                                                    | indicatore di uscita dell'otturatore meccanico           |
| FREX                                                                                     | frame exporuse / mechanical shutter                      |
| GPIO                                                                                     | esposizione del telaio/otturatore meccanico              |
| SLASEL                                                                                   | Selezione indirizzo slave I2C                            |
| AFEN                                                                                     | abilitare attivo alto sull'IC del driver VCM             |
| <b>Interfaccia MIPI</b>                                                                  |                                                          |
| MDN0 DN0 MD0N DATA_N DMO1N                                                               | Uscita negativa della prima corsia dati MIPI             |
| MDP0 DP0 MD0P DATA_P DMO1P                                                               | Uscita positiva della prima corsia dati MIPI             |
| MDN1 DN1 MD1N DATA2_N DMO2N                                                              | Uscita negativa MIPI 2a corsia dati                      |
| MDP1 DP1 MD1P DATA2_P DMO2P                                                              | Uscita positiva MIPI 2a corsia dati                      |
| MDN2 DN2 MD2N DATA3_N DMO3N                                                              | Uscita negativa MIPI 3a corsia dati                      |
| MDP2 DP2 MD2P DATA3_P DMO3P                                                              | Uscita positiva MIPI 3a corsia dati                      |
| MDN3 DN3 MD3N DATA4_N DMO4N                                                              | Uscita negativa MIPI 4a corsia dati                      |
| MDP3 DP3 MD3P DATA4_P DMO4P                                                              | Uscita positiva MIPI 4a corsia dati                      |
| MCN CLKN CLK_N DCKN                                                                      | Uscita negativa dell'orologio MIPI                       |
| MCP CLKP MCP CLK_P DCKN                                                                  | Uscita positiva dell'orologio MIPI                       |
| <b>Interfaccia parallela DVP</b>                                                         |                                                          |
| D0 DO0 Y0                                                                                | Porta di uscita dati DVP 0                               |
| D1 DO1 Y1                                                                                | Porta di uscita dati DVP 1                               |
| D2 DO2 Y2                                                                                | Porta di uscita dati DVP 2                               |
| D3 DO3 Y3                                                                                | Porta di uscita dati DVP 3                               |
| D4 DO4 Y4                                                                                | Porta di uscita dati DVP 4                               |
| D5 DO5 Y5                                                                                | Porta di uscita dati DVP 5                               |
| D6 DO6 Y6                                                                                | Porta di uscita dati DVP 6                               |
| D7 DO7 Y7                                                                                | Porta di uscita dati DVP 7                               |
| D8 DO8 Y8                                                                                | Porta di uscita dati DVP 8                               |
| D9 DO9 Y9                                                                                | Porta di uscita dati DVP 9                               |
| D10 DO10 Y10                                                                             | Porta di uscita dati DVP 10                              |
| D11 DO11 Y11                                                                             | Porta di uscita dati DVP 11                              |

## Test di affidabilità della fotocamera

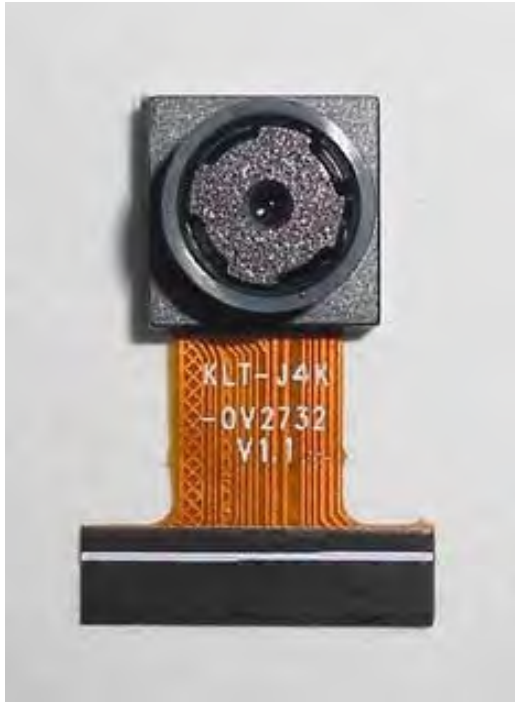
| Elemento di ispezione dell'affidabilità |                                     |                                                                | Metodo di prova                | Criteri di accettazione    |
|-----------------------------------------|-------------------------------------|----------------------------------------------------------------|--------------------------------|----------------------------|
| Categoria                               |                                     | Articolo                                                       |                                |                            |
| Ambientale                              | Magazzinaggio Temperatura           | No.Alto 60°C 96 ore                                            | Camera di temperatura          | Nessuna situazione anomala |
|                                         |                                     | Bassa -20°C 96 ore                                             | Camera di temperatura          | Nessuna situazione anomala |
|                                         | Operazione Temperatura              | Alta 60°C 24 ore                                               | Camera di temperatura          | Nessuna situazione anomala |
|                                         |                                     | Bassa -20°C 24 ore                                             | Camera di temperatura          | Nessuna situazione anomala |
|                                         | Umidità                             | 60°C 80% 24 ore                                                | Camera di temperatura          | Nessuna situazione anomala |
|                                         | Shock termico                       | Alta 60°C 0,5 ore<br>Bassa -20°C 0,5 ore<br>Pedalare in 24 ore | Camera di temperatura          | Nessuna situazione anomala |
| Fisico                                  | Prova di caduta (Caduta libera)     | Senza confezione 60 cm                                         | 10 volte su pavimento in legno | Elettricamente Funzionale  |
|                                         |                                     | Con Confezione 60cm                                            | 10 volte su pavimento in legno | Elettricamente Funzionale  |
|                                         | Prova di vibrazione                 | 50 Hz Asse X 2 mm 30 min                                       | Tavola vibrante                | Elettricamente Funzionale  |
|                                         |                                     | 50 Hz Asse Y 2 mm 30 min                                       | Tavola vibrante                | Elettricamente Funzionale  |
|                                         |                                     | 50 Hz Asse Z 2 mm 30 min                                       | Tavola vibrante                | Elettricamente Funzionale  |
|                                         | Trazione del cavo<br>Prova di forza | Peso di carico 4 kg<br>60 secondi<br>Pedalare in 24 ore        | Macchina per prove di trazione | Elettricamente Funzionale  |
| Elettrico                               | Prova ESD                           | Scarica a contatto 2 KV                                        | Macchina per test ESD          | Elettricamente Funzionale  |
|                                         |                                     | Scarica d'aria 4 KV                                            | Macchina per test ESD          | Elettricamente Funzionale  |
|                                         | Prova di invecchia-<br>mento        | Accensione/spegnimento 30<br>secondi<br>Pedalare in 24 ore     | Interruttore di alimentazione  | Elettricamente Funzionale  |
|                                         | Connettore USB                      | Accensione/spegnimento 250<br>volte                            | Plug and Unplug                | Elettricamente Funzionale  |



| Elemento di ispezione  |                  | Metodo di ispezione      | Standard di ispezione                   |                                                        |
|------------------------|------------------|--------------------------|-----------------------------------------|--------------------------------------------------------|
| Categoria              | Articolo         |                          |                                         |                                                        |
| Aspetto                | FPC / PCB        | Colore                   | L'occhio nudo                           | Non sono ammesse differenze sostanziali.               |
|                        |                  | Essere strappato/tritato | L'occhio nudo                           | L'esposizione alle crepe del rame non è consentita.    |
|                        |                  | Marcatura                | L'occhio nudo                           | Chiaro, riconoscibile (entro 30 cm di distanza)        |
|                        | Titolare         | Graffi                   | L'occhio nudo                           | L'esposizione a crepe interne non è consentita         |
|                        |                  | Spacco                   | L'occhio nudo                           | Rispetta lo standard di altezza                        |
|                        |                  | Vite                     | L'occhio nudo                           | Assicurarsi che siano presenti le viti (se presenti)   |
|                        |                  | Danno                    | L'occhio nudo                           | L'esposizione a crepe interne non è consentita         |
|                        | Lente            | Graffio                  | L'occhio nudo                           | Nessun effetto sullo standard di risoluzione           |
|                        |                  | Contaminazione           | L'occhio nudo                           | Nessun effetto sullo standard di risoluzione           |
|                        |                  | Pellicola d'olio         | L'occhio nudo                           | Nessun effetto sullo standard di risoluzione           |
|                        |                  | Nastro di copertura      | L'occhio nudo                           | Nessun problema sull'aspetto.                          |
|                        | Funzione         | Immagine                 | Nessuna comunicazione                   | Scheda di prova                                        |
| Pixel luminoso         |                  |                          | Lavagna                                 | Non consentito nel Centro immagini                     |
| Pixel scuro            |                  |                          | Lavagna bianca                          | Non consentito nel Centro immagini                     |
| Offuscato              |                  |                          | L'occhio nudo                           | Non autorizzato                                        |
| Nessuna immagine       |                  |                          | L'occhio nudo                           | Non autorizzato                                        |
| Linea verticale        |                  |                          | L'occhio nudo                           | Non autorizzato                                        |
| Linea orizzontale      |                  |                          | L'occhio nudo                           | Non autorizzato                                        |
| Perdita di luce        |                  |                          | L'occhio nudo                           | Non autorizzato                                        |
| Immagine lampeggiante  |                  |                          | L'occhio nudo                           | Non autorizzato                                        |
| Ammaccare              |                  |                          | Inspection Jig                          | Non autorizzato                                        |
| Risoluzione            |                  |                          | Grafico                                 | Segue lo standard della tabella di ispezione in uscita |
| Colore                 |                  |                          | L'occhio nudo                           | Nessun problema                                        |
| Rumore                 |                  |                          | L'occhio nudo                           | Non autorizzato                                        |
| Angolo buio            |                  |                          | L'occhio nudo                           | Meno di 100px per 100px                                |
| Risoluzione del colore |                  |                          | L'occhio nudo                           | Nessun problema                                        |
| Dimensione             |                  |                          | Altezza                                 | L'occhio nudo                                          |
|                        | Larghezza        | L'occhio nudo            | Segue la scheda tecnica di approvazione |                                                        |
|                        | Larghezza        | L'occhio nudo            | Segue la scheda tecnica di approvazione |                                                        |
|                        | Complessivamente | L'occhio nudo            | Segue la scheda tecnica di approvazione |                                                        |

## Soluzioni pacchetto KLT

Modulo telecamera KLT



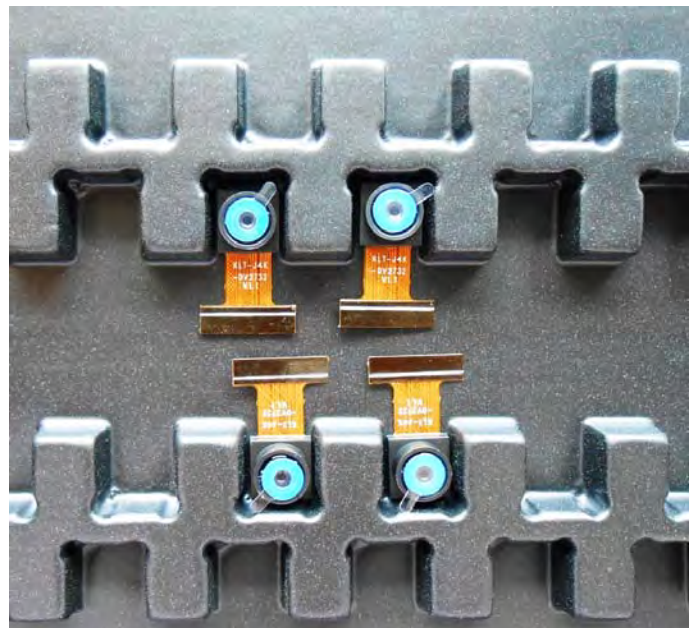
Completo di pellicola protettiva per lente



Vassoio con griglia e spazio



Posiziona le fotocamere sul vassoio



## Soluzione del pacchetto moduli fotocamera

Vassoio pieno di fotocamere



Vassoio di copertura con coperchio



Mettere il vassoio nella borsa antistatica



Aspirare il sacchetto antistatico



## Soluzione del pacchetto moduli fotocamera

**Busta sottovuoto sigillata con etichette**

**1. Modello e descrizione 2. Quantità 3. Data di spedizione 4. Attenzione**



## Soluzione per pacchetti di ordini di grandi dimensioni

Posizionare i fogli di schiuma tra i vassoi



I fogli di schiuma sono leggermente più grandi dei vassoi



Posizionare i fogli e i vassoi in schiuma nella scatola



I fogli di schiuma sono una scatola perfettamente aderente



## Soluzione di pacchetti per piccoli ordini

Posizionare i fogli e i vassoi in schiuma nella scatola piccola



I fogli di schiuma si adattano perfettamente alla scatola piccola



Confezione in piccola scatola per la spedizione



Posiziona le scatole piccole nella scatola più grande



## Soluzione del pacchetto Carbon Box

Sigillare la scatola del carbonio

Scatola etichettata del pacchetto finale



**Scatola di carbonio pronta per la spedizione**

- 1. Indirizzo di consegna e numero di telefono 2. Numero di casella e data di spedizione 3. Attenzione alla fragilità**



## Soluzione del pacchetto di ordini di esempio

Posizionare il campione in una piccola busta antistatica



Posiziona i connettori nella piccola busta antistatica



**Etichette campione sulla borsa piccola**

- 1. Modulo telecamera o modello connettore**
- 2. Data e quantità di spedizione**
- 3. Attenzione**



## Soluzione di connettori di grandi dimensioni

Connettori in una ruota



Etichetta connettori nella ruota



La ruota si adatta perfettamente alla scatola



Scatola connettori pronta per la spedizione



## Azienda Kai Lap Technologies (KLT)

Kai Lap Technologies Group Limited. (KLT) è stata fondata nel 2009, un produttore guidato dalla tecnologia di nuova generazione specializzato nella ricerca, progettazione e produzione di prodotti audio e video. KLT occupa uno stabilimento automatizzato di 20.000 piedi quadrati con 100 dipendenti e un rendimento annuo di 30.000.000 di telecamere.

KLT fornisce OEM, progettazione ODM, produzione a contratto e costruisce prodotti per fotocamere. Puoi fornirci i requisiti, anche con una bozza manuale, le nostre vendite e ingegneria collaboreranno per soddisfare le tue esigenze. Ci consideriamo il vostro partner a lungo termine nello sviluppo di soluzioni pratiche e innovative.

Il nostro team copre tutto, dallo sviluppo del concetto iniziale al prodotto prodotto in serie. KLT è specializzata nella progettazione personalizzata di fotocamere, materie prime, ingegneria elettronica, sviluppo firmware/software, test di prodotto e progettazione di imballaggi. I nostri esperti sistemi di fornitura strategica offrono una capacità produttiva solida e affidabile per ordini di varie dimensioni.



## Garanzia limitata

KLT fornisce la seguente garanzia limitata se hai acquistato il/i Prodotto/i direttamente dalla società KLT o dal sito web di KLT, [www.KaiLapTech.com](http://www.KaiLapTech.com). I prodotti acquistati da altri venditori o fonti non sono coperti dalla presente Garanzia limitata. KLT garantisce che i Prodotti saranno esenti da difetti nei materiali e nella lavorazione in condizioni di utilizzo normale per un periodo di un (1) anno dalla data di ricezione del prodotto ("Periodo di garanzia").

Per tutti i Prodotti che contengono o sviluppano difetti materiali o di lavorazione durante il Periodo di garanzia, KLT, a sua esclusiva discrezione: (i) riparerà il/i Prodotto/i; (ii) sostituire il(i) Prodotto(i) con uno(i) nuovo(i) o ricondizionato (Prodotto(i) sostitutivo(i) di modello identico o equivalente dal punto di vista funzionale); o (iii) fornirti un rimborso del prezzo pagato per il/i Prodotto/i.

La presente Garanzia Limitata di KLT è limitata esclusivamente alla riparazione e/o sostituzione nei termini sopra indicati. KLT non è affidabile né responsabile per eventuali eventi successivi.

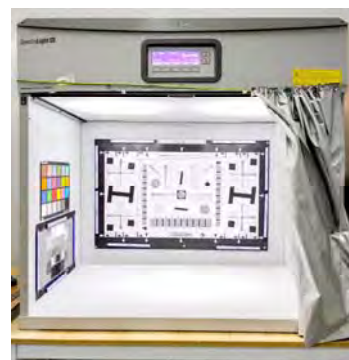


## Forza KLT

### Fabbrica potente



### Servizio professionale



### Consegna promessa

