

FLIR Thermal Security Camera Johnson Criteria Ranges



FC-ID and FC-O:

| | Model | Lens EFL [mm] | Pixel Pitch [um] | Horiz Res | Human | | | Vehicle | | |
|---------------|--------|---------------|------------------|-----------|---------------|-----------------|--------------------|---------------|-----------------|--------------------|
| | | | | | Detection [m] | Recognition [m] | Identification [m] | Detection [m] | Recognition [m] | Identification [m] |
| FC-ID FC-O | FC-369 | 9 | 34 | 320 | 133 | 33 | 17 | 407 | 102 | 51 |
| | FC-344 | 13 | 34 | 320 | 208 | 52 | 26 | 639 | 160 | 80 |
| | FC-332 | 19 | 34 | 320 | 286 | 72 | 36 | 879 | 220 | 110 |
| | FC-324 | 13 | 17 | 320 | 382 | 95 | 48 | 1171 | 293 | 146 |
| | FC-317 | 19 | 17 | 320 | 539 | 135 | 67 | 1654 | 413 | 207 |
| | FC-313 | 25 | 17 | 320 | 705 | 176 | 88 | 2163 | 541 | 270 |
| | FC-309 | 35 | 17 | 320 | 996 | 249 | 125 | 3056 | 764 | 382 |
| | FC-305 | 60 | 17 | 320 | 1698 | 424 | 212 | 5206 | 1302 | 651 |
| | FC-304 | 75 | 17 | 320 | 2132 | 533 | 266 | 6538 | 1634 | 817 |
| | FC-690 | 7.5 | 17 | 640 | 204 | 51 | 25 | 625 | 156 | 78 |
| | FC-669 | 9 | 17 | 640 | 266 | 66 | 33 | 815 | 203 | 102 |
| | FC-644 | 13 | 17 | 640 | 417 | 104 | 52 | 1278 | 319 | 160 |
| | FC-632 | 19 | 17 | 640 | 573 | 143 | 72 | 1757 | 439 | 220 |
| | FC-625 | 25 | 17 | 640 | 734 | 183 | 92 | 2249 | 561 | 282 |
| | FC-617 | 35 | 17 | 640 | 1079 | 270 | 135 | 3307 | 827 | 413 |
| | FC-610 | 60 | 17 | 640 | 1833 | 458 | 229 | 5623 | 1406 | 703 |
| | FC-608 | 75 | 17 | 640 | 2236 | 559 | 279 | 6857 | 1714 | 857 |



PT-HD:

| | | | | | Human | | | Vehicle | | |
|-------|----------|---------------|-----------------|-----------|---------------|-----------------|--------------------|---------------|-----------------|--------------------|
| | Model | Lens EFL [mm] | Pixel Pitch[um] | Horiz Res | Detection [m] | Recognition [m] | Identification [m] | Detection [m] | Recognition [m] | Identification [m] |
| PT-HD | PT-644 | 13 | 17 | 640 | 417 | 104 | 52 | 1278 | 319 | 160 |
| | PT-625 | 25 | 17 | 640 | 733 | 183 | 92 | 2249 | 562 | 281 |
| | PT-617 | 35 | 17 | 640 | 1079 | 270 | 135 | 3307 | 827 | 413 |
| | PT-612 | 50 | 17 | 640 | 1528 | 382 | 191 | 4686 | 1171 | 586 |
| | PT-608 | 75 | 17 | 640 | 2132 | 533 | 266 | 6538 | 1634 | 817 |
| | PT-606Z | 105 | 17 | 640 | 3056 | 764 | 382 | 9371 | 2343 | 1171 |
| | PT-602CZ | 275 | 15 | 640 | 12941 | 4007 | 3289 | 19904 | 8419 | 7238 |



F-ID:

| | | | | | Human | | | Vehicle | | |
|------|----------|---------------|-----------------|-----------|---------------|-----------------|--------------------|---------------|-----------------|--------------------|
| | Model | Lens EFL [mm] | Pixel Pitch[um] | Horiz Res | Detection [m] | Recognition [m] | Identification [m] | Detection [m] | Recognition [m] | Identification [m] |
| F-ID | F-644 ID | 13 | 17 | 640 | 417 | 104 | 52 | 1278 | 319 | 160 |
| | F-625 ID | 25 | 17 | 640 | 733 | 183 | 92 | 2249 | 562 | 281 |
| | F-617 ID | 35 | 17 | 640 | 1079 | 270 | 135 | 3307 | 827 | 413 |
| | F-612 ID | 50 | 17 | 640 | 1528 | 382 | 191 | 4686 | 1171 | 586 |
| | F-608 ID | 75 | 17 | 640 | 2132 | 533 | 266 | 6538 | 1634 | 817 |



FB-ID and FB-O:

| | | | | | Human | | | Vehicle | | |
|---------------|--------|---------------|-----------------|-----------|---------------|-----------------|--------------------|---------------|-----------------|--------------------|
| | Model | Lens EFL [mm] | Pixel Pitch[um] | Horiz Res | Detection [m] | Recognition [m] | Identification [m] | Detection [m] | Recognition [m] | Identification [m] |
| FB-ID FB-O | FB-393 | 3.7 | 17 | 320 | 99 | 25 | 12 | 302 | 76 | 38 |
| | FB-349 | 6.8 | 17 | 320 | 187 | 47 | 23 | 574 | 143 | 72 |
| | FB-324 | 12.8 | 17 | 320 | 382 | 95 | 48 | 1171 | 293 | 146 |
| | FB-312 | 18 | 12 | 320 | 764 | 191 | 95 | 2343 | 586 | 293 |
| | FB-309 | 24 | 12 | 320 | 1019 | 255 | 127 | 3124 | 781 | 390 |
| | FB-695 | 4.9 | 12 | 640 | 193 | 48 | 24 | 592 | 148 | 74 |
| | FB-650 | 8.7 | 12 | 640 | 367 | 92 | 46 | 1125 | 281 | 141 |
| | FB-632 | 14 | 12 | 640 | 573 | 143 | 72 | 1757 | 439 | 220 |
| | FB-618 | 24 | 12 | 640 | 1019 | 255 | 127 | 3124 | 781 | 390 |



DM-Series:

| | | | | | Human | | | Vehicle | | |
|-----------|--------|---------------|-----------------|-----------|--------------|-----------------|--------------------|--------------|-----------------|--------------------|
| | Model | Lens EFL [mm] | Pixel Pitch[um] | Horiz Res | Detection[m] | Recognition [m] | Identification [m] | Detection[m] | Recognition [m] | Identification [m] |
| DM-Series | DM-392 | 2.3 | 12 | 320 | 100 | 25 | 12 | 306 | 76 | 38 |
| | DM-350 | 4.3 | 12 | 320 | 183 | 46 | 23 | 562 | 141 | 70 |
| | DM-324 | 9.1 | 12 | 320 | 382 | 95 | 48 | 1171 | 293 | 146 |
| | DM-312 | 18 | 12 | 320 | 764 | 191 | 95 | 2343 | 586 | 293 |
| | DM-695 | 4.9 | 12 | 640 | 193 | 48 | 24 | 592 | 148 | 74 |
| | DM-650 | 8.7 | 12 | 640 | 367 | 92 | 46 | 1125 | 281 | 141 |
| | DM-624 | 18 | 12 | 640 | 764 | 191 | 95 | 2343 | 586 | 293 |
| | DM-612 | 36 | 12 | 640 | 1528 | 382 | 191 | 4686 | 1171 | 586 |



DX-Series:

| | | | | | Human | | | Vehicle | | |
|-----------|--------|---------------|-----------------|-----------|---------------|-----------------|--------------------|---------------|-----------------|--------------------|
| | Model | Lens EFL [mm] | Pixel Pitch[um] | Horiz Res | Detection [m] | Recognition [m] | Identification [m] | Detection [m] | Recognition [m] | Identification [m] |
| DX-Series | DX-350 | 4.3 | 12 | 320 | 183 | 46 | 23 | 562 | 141 | 70 |
| | DX-324 | 9.1 | 12 | 320 | 382 | 95 | 48 | 1171 | 293 | 146 |
| | DX-312 | 18 | 12 | 320 | 764 | 191 | 95 | 2343 | 586 | 293 |
| | DX-306 | 36 | 12 | 320 | 1528 | 382 | 191 | 4686 | 1171 | 586 |
| | DX-650 | 8.7 | 12 | 640 | 367 | 92 | 46 | 1125 | 281 | 141 |
| | DX-624 | 18 | 12 | 640 | 764 | 191 | 95 | 2343 | 586 | 293 |
| | DX-612 | 36 | 12 | 640 | 1528 | 382 | 191 | 4686 | 1171 | 586 |
| | DX-608 | 55 | 12 | 640 | 2292 | 573 | 286 | 7028 | 1757 | 879 |