



Standard Infrared Window Sizing Information

Certifications

UL 50V

Standard for Infrared „Viewports“

UL 50E

Enclosures for Electrical Equipment

IEEE C37.20.2 (A.3.6)

Impact and Load Standards

UL 746C

Impact and Flame Resistance Standards

UL 1558 Certification

Impact and Load Resistance

UL 508, 508A

Industrial Control Panels Standards

IP65 / NEMA 4X

Ingress Protection Standards

Arc Flash Resistance Testing

63kA, 15kV for 30 cycles at 60Hz

CSA C 22.2 No.14-13

Industrial control Equipment & Sub Assembling

DNV

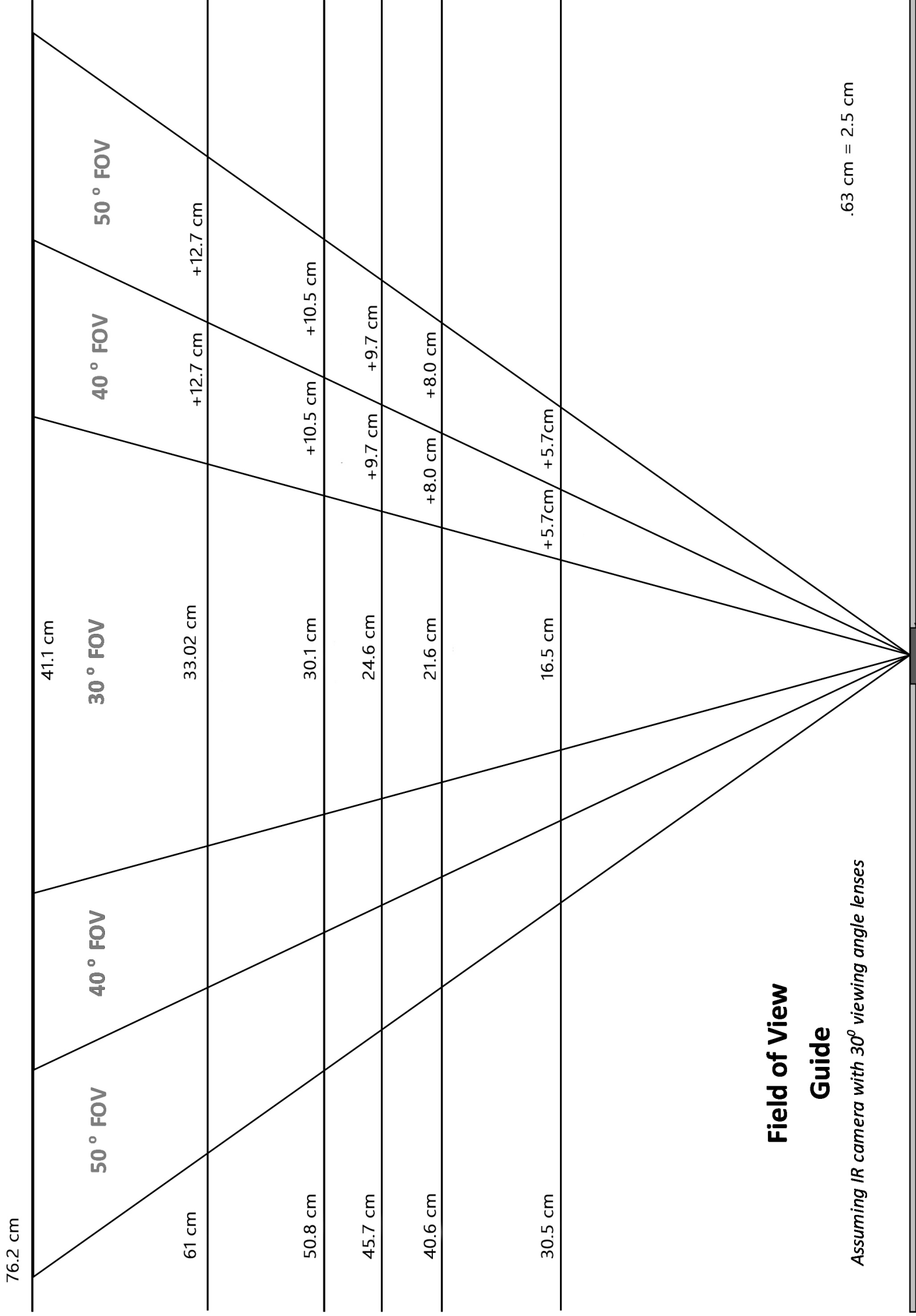
Maritime & Offshore Regulatory Compliance

American Bureau of Shipping (ABS)

Lloyd's Register Type Approval

NFPA 70E Compliance

| Product Name | IR Viewing Dimension | Overall Dimension |
|--|-------------------------------|-------------------|
| VPFR/VPFR-M/VPFC/VPT-50 | 2.0" dia. | 3.6" dia. |
| VPFR/VPFR-M/VPFC/VPT-75 | 3.0" dia. | 4.8" dia. |
| VPFR/VPFR-M/VPFC/VPT-100 | 4.0" dia. | 5.95" dia. |
| CAP-6, CAP-C-6 | 3.6" x 5.9" | 6.3" x 8.6" |
| CAP-12, CAP-C-12 | 9.3" x 5.0" | 12.0" x 8.1" |
| CAP-24, CAP-C-24 | 20.9" x 5.9" | 24.0" x 8.6" |
| (Combination: Polymer viewing window & clear non-IR visual window) | Visual / IR Viewing Dimension | Overall Dimension |
| CAP-V-6, CAP-VC-6, CAP-VCH-6 | 3.8" x 1.95" / 3.6" x 2.3" | 6.3" x 8.6" |
| CAP-V-12, CAP-VC-12, CAP-VCH-12 | 9.4" x 1.95" / 9.3" x 2.3" | 12.0" x 8.1" |
| CAP-V-24, CAP-VC-24, CAP-VCH-24 | 21.3" x 1.95" / 21.9" x 2.3" | 24.0" x 8.6" |
| CAP-T-6, CAP-CT-6, CAP-VIZ-6 | 3.6" x 5.9" | 6.3" x 8.6" |
| CAP-T-12, CAP-CT-12, CAP-VIZ-12 | 9.3" x 5.0" | 12.0" x 8.1" |
| CAP-T-24, CAP-CT-24, CAP-VIZ-24 | 20.9" x 5.9" | 24.0" x 8.6" |
| VP-12-IR, VP-12-IR-M | 5" dia. | 2.6" dia. |
| VP-12-US, VP-12-US-M | 5" dia. (ultrasonic port) | 2.6" dia |



Field of View Guide

Assuming IR camera with 30° viewing angle lenses

.63 cm = 2.5 cm

Panel IR Window / IR Camera