NightFINDER™ 200

"The Marine World's only product combining High Intensity Xenon Light and Thermal Imaging (IR) within <u>one</u> Sleek Design"

Features

- ***<u>Integrated Searchlight</u>…*** *Powerful <u>15</u> Million Candlepower Xenon Searchlight with Remote Electric Beam-size Focus Control!*
- ***<u>Integrated Thermal Imager (IR)</u>...*** *Range of detection 1000 to 2000 Feet (depending upon heat signature of object and environmental conditions)*
- ***<u>Proportional-Speed Controls</u>…*** *combines speed and direction within Joystick motion!*
- ***<u>Un-restricted Motion</u>…*** *Slip-Rings provide continuous 360º motion <u>with no stop points</u>!*
- ***<u>Position-Indication</u>…*** *Console Panel displays horizontal aiming position in degrees.*
- ***<u>Anti-icing Heater (Camera)</u>…*** *prevents ice build-up on camera lens in cold climates*
- ***<u>Anti-icing Heaters (Pan/Tilt)</u>...*** *optional feature prevents ice build-up in base motion..*
- ***<u>Upside Down Mounting</u>…*** *optional feature frees up mounting space!*
- ***<u>Multiple Outdoor Weatherproof Controls</u>***

<u>"Integrated" Searchlight and Camera</u>

The Carlisle & Finch Co invented the world's first high intensity searchlight in 1894, and FLIR® pioneered the development of Advanced Thermal Imaging technology. These two companies have combined forces, in providing the Marine World's first <u>complete</u> streamlined surveillance system. By integrating searchlight <u>and</u> camera technologies within the same compact design, mariners will achieve the following: "***Save Money"... "Save Mounting Space"... "Reduce Wiring"...*** and ***"Increase Passenger Safety by using the Camera to detect, then the searchlight to illuminate the person or object!"*** (see explanation below)**.**

The integration of high intensity xenon light with thermal imaging, provides a powerful synergism! The thermal imager will detect images covertly, in total darkness. Since the searchlight is already aimed precisely at the same image seen on the screen, the image can be instantly illuminated and identified, by simply activating the searchlight switch. If the camera covertly detects a potentially dangerous intruder, the high intensity light will instantly "blind the intruder", with a powerful non-lethal force, and deny him his night vision. The U.S. Coast Guard and U.S. Navy have used these technologies in this same strategic manner for many years!

<u>Searchlight Specification</u>

- Intensity: <u>15</u> Million Candela
- Optics: Precision-Electroformed
- Focus: 1º to 20º Full Spectrum
- Lamp-Type: Xenon
- White Color: 6500ºKelvin

<u>Thermal Camera Specification</u>

- Sensor: 320 x 240 uncooled
- Field of View: 36º x 28º
- Temp Range: -40ºC to +80ºC
- Video Signal: NTSC or PAL
- Input Voltage: 12VDC
- Power Consumption: 2W

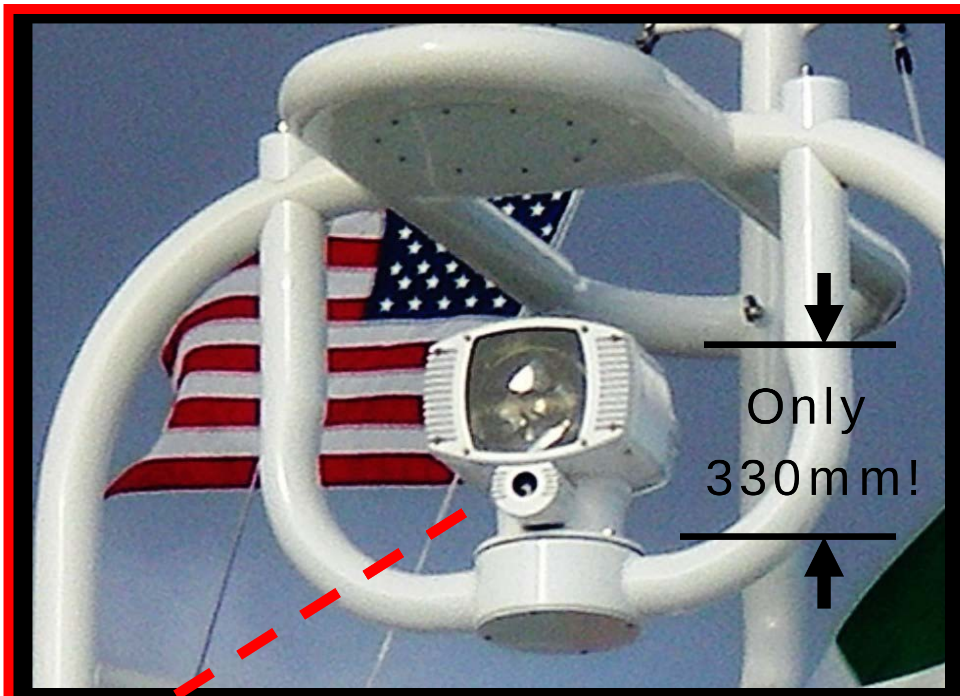
"Helping mariners see at night for over 114 years!"

<u>www.carlislefinch.com</u>

Bridge not seen at Night!

Bridge seen with Camera!

World's only Searchlight and Camera combination!



Searchlight/Camera Integration Strategic Advantages...

- ***Saves Mounting Space!***
- ***Reduces Wiring and Costs!***
- ***Searchlight is aimed on same target as Camera... Just flip the switch and instantly light Target!***

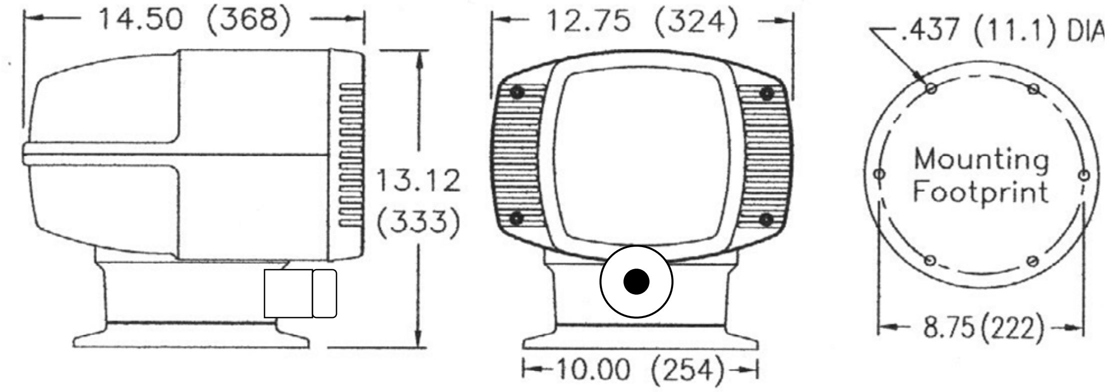
"Helping Mariner's see at night for over 114 Years"

Proportional-Speed Joystick

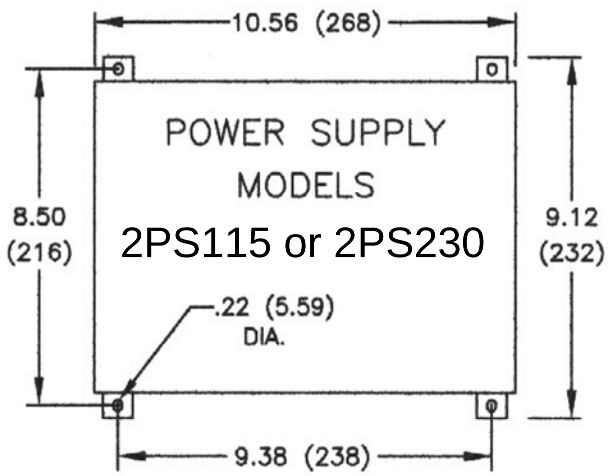
"Beam-Speed and Aiming Control are built into Joystick providing Single-hand Control"

The Carlisle & Finch Company has developed a sleek "Proportional-Speed" Joystick. The Beam-Speed and Beam-Aiming functions are built into the Joystick (i.e. move the Joystick to the first position, and the Beam moves slowly… move it further, and the Beam speeds up!). This capability eliminates the need for a separate Speed Dial or Fast/Slow switch, which requires two hands of operation (i.e. one hand on Joystick and one hand one on Speed Dial or Fast/Slow Switch). Now the operator can use his/her free hand to steer the vessel, hold binoculars or hold a firearm! Additional Control functions are: Beam-ON, Beam-OFF, Electric Beam-size Focus, Proportional-Speed Joystick (described above), Beam-On Indicator light, and an Over Temp Light (1000 Watt Xenon-only) offered on control stations mounted inside, out of the weather.

NightFINDER™ 200 System Dimensions in Inches (mm)

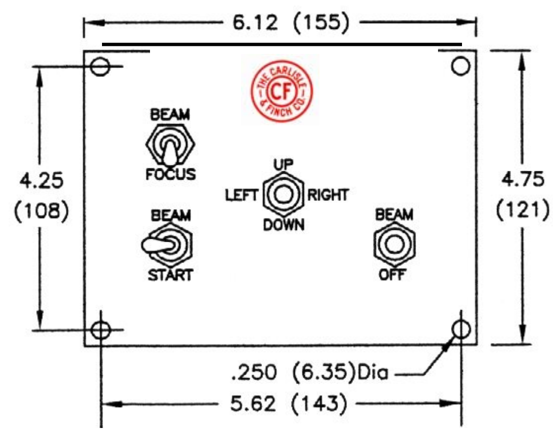


Power Supply: The Power Supply below powers the Xenon Searchlight-only. 12VDC must be provided by the customer to power the Thermal (IR) Camera. See details at www.carlislefinch.com/nightfinder.com



Depth Dimension: 5.63 (143 mm)

Joystick Control Station(s): One Master Station and as many Slaves as desired, will control the Searchlight and PAN/Tilt.. A simple OFF/ON switch must be provided by the customer, to provide the 12VDC necessary to turn the IR Camera ON and OFF. See details at www.carlislefinch.com/nightfinder.com

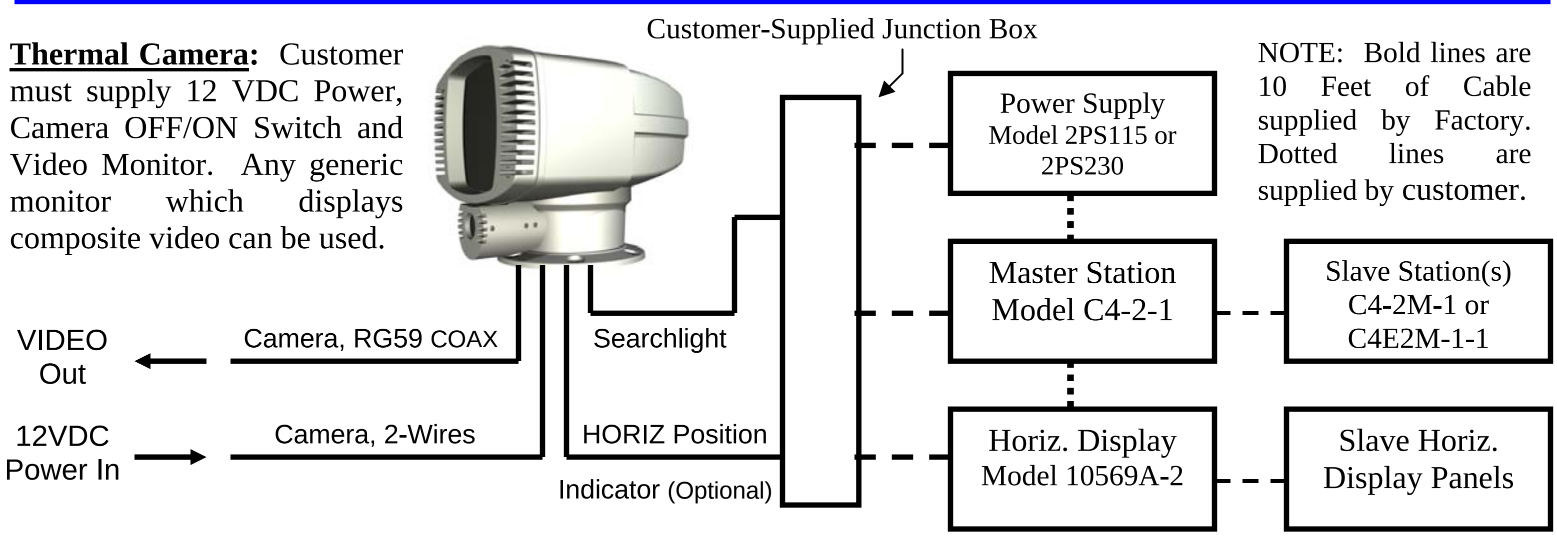


C4-2-1 Master Station…..……......Depth = 6.5in (166mm)
C4-2M-1 and C4E2M-1-1 Slave…. .Depth = 3.5in (89mm

NOTE: If order the Optional Azimuth Indicator Panel, the dimensions of the additional Panel will be as follows:
4.5 (114 mm) Wide x 3.5 (90 mm) High x 4.25 (108 mm) Deep

Thermal Camera: Customer must supply 12 VDC Power, Camera OFF/ON Switch and Video Monitor. Any generic monitor which displays composite video can be used.

NOTE: Bold lines are 10 Feet of Cable supplied by Factory. Dotted lines are supplied by customer.



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