

# WFOV

## PVS-15



## ABOUT

The WFOV PVS-15 features a ground-breaking 80° wide circular field of view without compromising optical resolution, size, weight, or power consumption (SWaP). The WFOV PVS-15 is developed and built by Kent Optronics, where their proprietary foveal design of the objective and eyepiece lenses, provide the wide FOV with a high, on-axis resolution.

The 80° FOV is twice as large as that of the standard AN/PVS-15 NVG. The limited 40° FOV of standard AN/PVS-15 NVGs restricts the off-axis detection, and thus hinders peripheral vision. In addition, aggressive head scanning is necessary for maintaining minimal situational awareness, which presents the possibility of disorientation, neck strain, and fatigue for operators. The increased FOV guarantees a true 2-dimensional (2-D) wide area coverage in a much more compact and light weight package.

WFOV PVS-15 is available as a retrofit for the standard AN/PVS-15 system as well as a brand new wide field of view binocular.



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KEY FEATURES

- 80° FOV
- Low optical distortion
- Lighter weight, more compact size as compared to the AN/18/15/21
- High on-axis resolution limited by I2 tube

SYSTEM SPECIFICATIONS

|                    |                                  |
|--------------------|----------------------------------|
| Magnification      | 1x                               |
| Range Focus        | 25 cm to infinity                |
| Diopter Adjustment | +2 to -4                         |
| Field of View      | 80°                              |
| Eye Relief         | 15 to 20mm (80° to 68°FOV)       |
| Battery            | 1 AA                             |
| Size (length)      | 105 mm                           |
| Weight             | 676 grams with battery (23.8 oz) |
| Submersible        | 20 meters (66 ft)                |



Standard 40°



Modified 80°