
Specifications for Binocular Night Vision Devices (“BNVDs”), BNVD Kits, and Related Training

BNVDs and BNVD and Kits:

- **Manufacturer/Style/Model:** Twenty-two (22) L-3 Insight Army Navy/Portable Vision Search 31-A (“AN/PVS-31A”) Binocular Night Vision Devices (“BNVDs”); Manufacturer Model #BNG-001-A48M **(No Substitutions will be accepted)**
 - **Color:** Black
 - **Additional considerations:**
 - Night vision tubes shall only be L3 Generation III, be unfilmed, auto gate (“AG”), and have improved white phosphor tubes, finished product code BNG-001-A48M **—no substitutes allowed**
 - Shall be capable of being attached to a helmet using a Wilcox Industries mount (Part #28300G24) without modification
 - Shall meet environmental qualification per MIL-STD-810G; finished product must be produced in a certified ISO 9001: 2015 facility
 - Minimum figure of merit (“FOM”) rating of 2376
 - Have one (1) AA lithium battery installed, and include a 4-cell AA battery pack
 - Minimum battery life of sixteen (16) hours for single AA lithium battery
 - Minimum battery life of fifty (50) hours using 4-cell AA battery pack
 - The included 4-cell battery pack shall have an integrated IR strobe light, which shall operate in the 850nm waveband and have a minimum projection angle of $\pm 40^\circ$, measured from the centerline of the unit.
 - Shall have no integral illuminator
 - Shall have an adjustable system gain via rotary control knob
- **Twenty-two (22) BNVD Kits, which shall include the following:**
 - G24 Wilcox Mount
 - Soft case
 - Cold weather battery pack (4AA battery pack w/integrated strobe)
 - Power cable
 - Two (2) Signature reduction filters
 - One set of eye cups
 - Operators manual w/quick reference guide
 - Neck cord
 - Lens tissue
 - Five (5) AA Lithium Batteries

Training shall include:

- The Bidder's Trainers/Instructors shall have a minimum of ten (10) years special operations, or tactical experience. Prior to award of the bid, the Bidder shall provide documentation of the experience (i.e., DD214 or equivalent) of the Trainers/Instructors.
 - The Bidder shall provide a two (2) day (or sixteen-hour) comprehensive on-site device training for State designated personnel. Training shall offer a hands-on learning experience that includes an in-depth review of all equipment, equipment functionality, and routine maintenance procedures. On-site training should be at a five to one (5:1) student to instructor ratio, with the Bidder expected to bring four (4) trainers/instructors to complete the training.
 - The training shall be considered a "closed course", where it is only open to State designated personnel.
 - Training shall be conducted in Nashville, Tennessee.
 - The Bidder's trainers shall provide one hundred ten (110) AA lithium batteries for training purposes. These batteries utilized for training shall be separate from the batteries delivered with the purchased equipment.
 - Training shall be coordinated with the State prior to commencement. Any changes to scheduled trainings must be approved by the State at least five (5) business days to scheduled training.
- **The State shall NOT be charged for sales tax.**
 - **All items must be shipped and received by June 5, 2020 to the following address:**

Tennessee Department of Safety and Homeland Security
C/O Captain Steven Lowery
225 Ezell Pike
Nashville, TN 37243

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