



WHEN YOU HAVE A NEED TO KNOW NIGHT VISION TECHNOLOGY

NOCTRON VIII™

Premium Performance Night Vision Scope



"Worldwide Preference" of Night Vision Users

The **Noctron VIII** has been designed for night surveillance use in military, law enforcement and security organizations. Proven military technology enables superior night viewing for personnel who must monitor and record information at night. The **Noctron VIII** enables vision on dark starlit nights, enhancing objects in shadows and in other poorly lighted situations.

The **Noctron VIII** utilizes technology that has been derived from government and military uses. By amplifying available light greater than 80,000 times, the **Noctron VIII** enables viewing and recording of imagery in considerable darkness.

Insure that your organization is equipped and prepared to capture all-night and low-lighted events. At competitive prices, the **Noctron VIII** adds the necessary dimension to your organization's capabilities to stay on the edge of technology.

SPECIAL APPLICATIONS

- Crime Surveillance (i.e. evidence gathering, smuggling, drug trafficking, immigration control, etc.)
- Low Level Airborne Surveillance/Monitoring
- Shipboard Surveillance/Monitoring
- 35mm Camera Low Light Photography
- Video Recording of Night Surveillance
- Scientific Nocturnal Observation/Monitoring

RUGGED CONSTRUCTION

Built to withstand military type environments, the **Noctron VIII** can be configured to function in a number of different modes including:

- 35mm Still Photography
- Handheld Video Camera Monitoring
- Manual Surveillance

SIGNIFICANT FEATURES

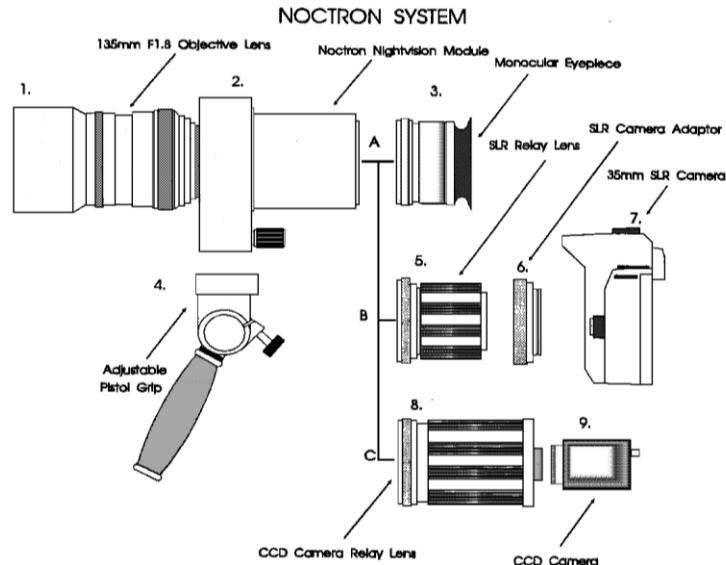
- Superior imagery with minimal blooming and streaking due to hi-performance optics and state of the art multi-channel plate (MCP) image intensifier tube
- MCP tube includes automatic brightness control (ABC) and automatic bright source shutdown protection
- Bayonet adapter permits rapid interchange of all rear optical accessories, with a wide variety of front lens adapters & camera accessories
- Standard 5.4X Optical Magnification
- F/1.8 Objective Lens
- Power Via Two "AA" Alkaline Batteries
- Lightweight Black Anodized Aluminum Finish



CONFIGURATION OPTIONS

- A. Monocular Configuration
- B. 35mm Still Photography Configuration
- C. Handheld Video Camera Configuration

1. Objective Lens
(135mm, f/1.8)
2. Aluminum Black
Anodized Body
3. Monocular Eyepiece/
Rubber Eyeguard
4. Removable Soft Handle
5. 35mm Camera Relay Lens
6. 35mm Camera Body - to -
Relay Lens Adapter *
7. 35mm SLR Camera
8. Video Camera Relay Lens
(C-Mount)
9. CCD Video Camera



* ITEMS 5-9 ARE OPTIONS AND NOT INCLUDED WITH BASIC MODELS

* Available for various camera types

GENERAL PERFORMANCE CHARACTERISTICS

- Military Specification Generation III 25mm Image
- Intensifier Tube for "Starlight" Viewing
- Automatic Brightness Control (ABC)
- Manual Gain Control
- Bright Source Protection (BSP)
- Instantaneous Flash Response Recovery
- Photoresponse to Near Infrared
- Minimal Distortion
- Wide Dynamic Range
- Long Operational Life

TECHNICAL SPECIFICATIONS

Image Intensifier

| | |
|--------------------------------------|-------------------|
| -Tube Gain (typical)..... | 45,000-90,000 |
| -Resolution (center/peripheral)..... | 36/36 (lp/mm) |
| -Tube Diameter..... | 25mm |
| -Cathode Sensitivity (typical)..... | 1100ua/lm |
| -Phosphor..... | GaAs |
| -Operational Life..... | Approx. 10,000hrs |

Mechanical Characteristics

| | |
|------------------------------|---------|
| -Weight (with 1.8 lens)..... | 3.8 lbs |
| -Length (with 1.8 lens)..... | 11.60in |
| -Height..... | 4.375in |

Optical Characteristics

| | |
|---------------------------------|---------------|
| -Magnification..... | 5.4X |
| -Field of View..... | 10.6 deg |
| -Focal Length..... | 135mm |
| -Max Lens Opening (f/stop)..... | 1.8 |
| -Focus Range..... | 1.5m-infinity |

Specifications subject to change without notice

STANDARD CONFIGURATION/ACCESSORIES

- 25mm Gen III Image Intensifier Tube
- Aluminum Black Anodized Body (tripod mountable)
- Ultra Low Light Objective Lens (135mm, f/1.8)
- Monocular Focusable f/1.2 Eyepiece(+3 to -6 diopter)
- Rubber Eye Guard
- Removable Soft Handle
- "AA" Batteries (qty 4)
- Lens Cleaning Kit
- Operators Manual
- Carrying Case (rugged, weather tight)

OPTIONAL ACCESSORIES

- 35mm Camera (SLR) Relay Lens (f/1.2, focusable)
- Video Camera Relay Lens (f/1.2, focusable, C-mount)
- Telephoto, Wide-Angle, Zoom Lenses
- Noctron Compatible SLR Camera
- Low Light/Hi Sensitivity Video Camera
- Infrared Blinkers
- Infrared Illuminators
- Hi8mm Video Recorder Accessories



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