

PVS-22 NIGHT VISION WEAPON SIGHT



SPECIFICATIONS

POWER SOURCE: **(1) AA OR 123 BATTERY**
 BATTERY LIFE: **EXCEEDS 24 HRS**
 MOUNT: **KAC MOUNT OR QUICK ATTACH/
 DETACH TO MIL-STD-1913 RAIL OR
 EQUIVALENT**
 FOCUS RANGE: **10 METERS TO INFINITY**
 RECOG. RANGE: **700 M (HUMAN, 1/4 MOON)**
 MAGNIFICATION: **UNITY**
 BORE SIGHT: **WITHIN .5 MOA**
 WATERPROOF: **3 FT. FOR 4 HRS, 66 FT OPTIONAL**

FINISH: **BLACK MATTE, CORROSION RESISTANT**
 CONTROLS: **PULL ON/OFF GAIN KNOB, FOCUS KNOB**
 WEIGHT: **1.75 LBS. (0.80 KG)**
 SIZE: **7.3" (185 MM) LONG**

FEATURES

- » **2 YEAR WARRANTY**
- » **GAIN CONTROL**
- » **SIB®-SINGLE INTERCHANGE BATTERY**
- » **CLIP-ON NIGHT VISION SCOPE**
- » **QUICK ATTACH/DETACH MOUNT**

The **PVS-22 Clip-On Weapon Sight**, adds performance Gen 3 intensifier tube in a proven design, where the catadioptric lens provides high performance light collection with an effective f/1.2 in a light weight optic. The PVS-22 is appropriate for front line rifles such as the M4 Carbine, M16A2/A4, M249, M14, and daysights with magnification up to 10x. The Knight Vision® patented technology makes the product universal and assures the accuracy of your range-tested day scope boresight will not be degraded. When the PVS-22 is added in front, your existing optic, eye relief, and cheek weld are undisturbed.

PVS-22 SYSTEM PERFORMANCE

MODEL NUMBER:	ULTRA	HP+	P+	P
POWER SUPPLY:	PINNACLE	PINNACLE	PINNACLE	PINNACLE
EBI:	2.5 MAX	2.5 MAX	2.5 MAX	2.5 MAX
PHOTOCATHODE RESPONSE:	2200 MIN.	2200 MIN.	1750 MIN.	1350 MIN.
SIGNAL TO NOISE RATIO:	25.0 MIN.	25.0 MIN.	20.0 MIN.	16.2 MIN.
RESOLUTION:	64 LP/ MM MIN.	64 LP/ MM MIN.	64 LP/ MM MIN.	57 LP/ MM MIN.



STANDARD ACCESSORIES

Operator's Manual, Soft Case, (1) AA Battery, Light Shroud and Lens Cleaning Kit.



WP & XLS IMAGE INTENSIFIERS

WHITE PHOSPHOR

Night Vision Devices Products are available with Gen 3 White Phosphor Image Intensifiers manufactured by Exelis, now a part of Harris Corporation. Traditional image intensifier tubes use a P-43 phosphor screen output, resulting in the yellow-green that has become the signature view through most Gen 3 night vision systems. White Phosphor tubes use a P-45 phosphor screen, which yields an alternate coloration closer to black and white imagery. This change in color has been reported to enhance overall object recognition while providing contrast sensitivity equivalent to or better than traditional green phosphor image tubes. These White Phosphor tubes are available for system upgrades and can be Hand-Select for higher performance.

WHITE PHOSPHOR SYSTEM PERFORMANCE		
MODEL NUMBER:	WHP	WP
POWER SUPPLY:	PINNACLE	PINNACLE
EBI:	2.5 MAX	2.5 MAX
PHOTOCATHODE RESPONSE:	2200 MIN.	1350 MIN.
SIGNAL TO NOISE RATIO:	25.0 MIN.	16.2 MIN.
RESOLUTION:	64 LP/ MM MIN.	57 LP/ MM MIN.
SPOT ZONE:	1__2__3	1__2__3
....>.012 - .015	0__0__0	0__0__0
....>.009 - .012	0__0__0	0__0__1
....>.006 - .009	0__1__1	0__2__2
....>.003 - .006	0__2__2	0__2__3

XLS

Night Vision Devices systems are now available for purchase with Gen 3 "XLS" Image Intensifiers manufactured by Exelis, now a part of Harris Corporation. These XLS tubes are available for customer applications within law enforcement and commercial applications. The Gen 3 photocathode is very sensitive to low-radiation levels of visible and, especially, near infrared light. The 6-micron channel spacing provides exceptional resolution and extended detection ranges in low-light conditions. The tube lifespan is 12,000+ hours. The XLS systems are available with or without a small spot in Zone 1.

XLS SYSTEM PERFORMANCE		
MODEL NUMBER:	XLS	
POWER SUPPLY:	NON GATED	
EBI:	2.5 MAX	
PHOTOCATHODE RESPONSE:	1350 MIN.	
SIGNAL TO NOISE RATIO:	16.2 MIN.	
RESOLUTION:	57 LP/ MM MIN.	
SPOT ZONE:	1__2__3	
....>.012 - .015	0__0__0	
....>.009 - .012	0__1__1	
....>.006 - .009	0__2__2	
....>.003 - .006	0__2__3	