

Having bought a lot of nightvision from ATN in the past. I figured it was time to upgrade and have the ability to put the same nightvision scope on all of my rifles. So I called ATN and spoke with Steven Budovlya. Whom I have dealt with for more than 5 years. He has always helped me out in getting what I want to fulfill my needs. Steven suggested I get a PS22 to fulfill my needs in a 2<sup>nd</sup> Gen CGT model. I purchased the scope and tried it out.

I was very impressed in the clarity and sharpness of the scope. I was able to see well out to 200 yards in total darkness. No moon or stars because of cloud cover. I tried the scope on several rifles with different scopes with the same results. The scope worked extremely well up to about 6 power.

My only problem with the scope was that I have spoiled myself with my other 3<sup>rd</sup> Gen Alpha Select scopes. I felt I needed something better. So I called Steven back and informed him that I needed something better. After going through the options with Steven. I decided it was time for something they didn't have. I wanted an ITT Pinnacle tube in a PS22. I felt this would give me the same capability as the Universal Night Sight the military is currently using. Steven told me he was not sure if they could do it and he would check to see if it was possible to build one for me. A few days later Steven called me and told me it had never been done. But they had a new shipment of ITT Pinnacle tubes inbound from ITT and they were willing to build one especially for me.

After waiting for the scope to arrive a pain taking month. I got the scope. I was impressed with the scope right from the start upon reading the ITT tube data sheet. The scope had a signal to noise ratio of 27.6 with a 72 line pair resolution. I did not want to wait for night fall, to go to the range and try it out. But I had no choice.

Having already played with the rifle scope mounts to get the scope to properly line up with the PS22. I found the best combination to be an A.R.M.S. #35 base with #35 medium rings. With a Leupold Mark 4 3.5X10 40mm scope. I found that on an AR-15 with a GG&G scout rail and Leupold high QRW rings to also be a perfect match. Believe me I played with all kinds of combat ions till I found the perfect match. The manufactures of the rings and mounting systems make it hard. Because they all give different measurements, from different positions on there rings. If you plan on putting the PS22 on an AR-15 or AR-10 use the A.R.M.S. #35 base with #35 medium rings. I found that on my bolt action rifles most of my scope rings were to low and I had to replace them with high or extra high rings to get the PS22 to clear the barrel.

Once at the range and waiting for it to get dark. I was extremely impressed with the PS22. For the first time I was able to see things with nightvision I was never able to see before. The sky was clear with a quarter moon. I started by looking at the different distances starting at 100 yards at a 3.5 setting on my scope then moving out. I found I could see the 1000 yard targets for the first time. I then tried increasing the magnification till I thought the picture was degraded. I found it to work extremely well up to 8 power magnification. But I was still able to make out objects at 10 power with a down graded image.

I then tried several illuminators to see what improvements it would make. The PS22 with a Pinnacle tube sucks in so much light an illuminator does little good with a quarter moon. I would have to go back to the range with no moon in the sky to see how they work.

I then started shooting my AR-15 with the PS22 on it and found no change of impact with the bullets all the way out to 500 yards. I was even able to shoot 2 liter soda bottles at 500 yards. At 300 yards my AR-15 was able to keep the normal size group for the rifle of  $\frac{3}{4}$  of an inch in the center of the target. I then put the PS22 on my AR-10 to see how it would work. The scope on it is a Weaver Classic Extreme in 2.5X10 50mm. I had the same results with it. I was able to shoot within the rifles capabilities out to 500 yards with no problems. I stopped shooting the rifles at 500 yards because shooting beyond that gets real difficult during the day and I did not want to walk back and forth 1000 yards checking my target. I then put the PS22 on my 6mm benchrest rifle with the same results. I had a group of under  $\frac{1}{2}$  inch at 300 yards point of aim point of impact.

For them skeptics that don't believe this type of shooting is possible my High Power Service Rifle Competition average is 486 out of 500.

Over all the PS22 is a great scope enabling shooters to shoot within there daytime limits at night easily out to 500 yards at targets as small as 2 liter bottles. One of the best things about the PS22 is the price compared to a Universal Night Sight. This is about half the price of a Universal Night Sight.

I will keep you posted as I play with the scope.

Regards,

Allan M.