



Powell Police Department LPVO, Off-Set Red Dot White Paper

What is an LPVO?

LPVOs or low power variable optics. An LPVO provides a range of magnification to be selected by the person looking downrange. This is typically from zero to between four and ten times your normal vision. Simply put an LPVO is a low powered rifle scope. The 1x setting provides a reasonable representation of what you normally see with your eye, provides a wide field of view, and provides an aiming system so you can hit your target. By rotating the zoom ring on the optic you are able to change the magnification setting. Usually this is accomplished with a “throw lever” that makes increasing or decreasing magnification a simple and quick task.

Pros of the LPVO

There is no doubt that having an LPVO on top of your rifle can be of assistance in many circumstances. In my initial example of needing to see more detail of a potential threat is a clear-cut case for when an LPVO could come in handy. Zooming in allows you to hit smaller targets more easily. Of course, you still have to do your work, but being able to train in on a small target and aim with precision has its advantages.

- Optimal Magnification Range
- Rapid Target Acquisition
- Enhanced Reticle Designs
- Wide Field of View
- Compact and Lightweight



Off- Set Red Dot

The pros include a backup for the LPVO, great for CQB (close quarter engagements), Rapid target acquisition, use with both eyes open. Ease of use with Thermal and Night vision. Better than iron sights alone. Both in conjunction with one another create the optimal sighting system. Close and out to range targets are covered.

Pathfinder Defense recommends a (2x-2.5x) – (8X -12X) Magnification with 18-24 MM Objective, LPVO needs to be from a reputable optics manufacturer (Vortex, Leupold, Primary Arms, Trijicon, Vudu), Japanese or USA made glass preferred. Either battery powered or tritium powered with etched reticle. User preference for First or Second Focal plane.

Red dot recommendations include Holosun, EOTech, Aimpoint or Trijicon. Closed emitter preferred but not a deal breaker, Off-Set mount in line with LPVO for quicker access, see picture for example.

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