

Dynamic CCTV Ltd

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DTV-VLD & DTV-VLD/PRO ENCLOSURE. PUT TO THE TEST!

All electrical enclosures are issued with an IP rating address which consists of two digits, the first digit relates to the enclosures level of protection against solid objects and ranges from 1 (lowest protection) to 6 (highest protection) and the second digit relates to the enclosures level of protection against water ingress and ranges from 1 (lowest protection) to 8 (highest protection).

For the full IP index of ratings please use below address to our website :

<http://www.dynamic-cctv.com/shop/PDF/Guides/IP.pdf>

Our DTV-VLD vandal dome enclosure is issued with an IP rating of 66 the first 6 gives maximum protection against solid objects which equates to dust and fine particles and the second 6 gives protection against water ingress up to strong heavy jets of water from all angles over a sustained period which is pretty much the rating you would expect for outdoor use in the UK.

The question here is how accurate are IP ratings? Given that this rating specifies exactly where and where not an electrical enclosure can be installed we decided to put our hugely popular DTV-VLD enclosure to the test **but** rather than test the enclosure with strong jets of water as its IP rating suggests we decided to completely submerge it!



NOTE: no fish were harmed during this demonstration

After fitting the 2 cable entrance plugs we fitted bolts with rubber grommets to the 4 rear fixing holes, closed up the unit and immersed it in the water. The first two images show our DTV-VLD completely submerged in an aquarium where it remained for approximately 30 minutes and the third image shows the inside of the enclosure after it was removed from the aquarium which as you can see shows no sign whatsoever of water ingress nor misting up.

In order for an electrical enclosure to be completely submerged it would generally require an IP rating of at least IP 67 or in some cases IP 68. This demonstration shows that our DTV-VLDs rating of IP 66 is in fact under rated! It also shows without a shadow of doubt that when installed in accordance to the instructions the unit is more than just weather proof!