Point-by-point response to Comments and Suggestions for Authors

Thank you for your review of our paper. We have answered each of your points below.

Comments 1: *[*The Chinese characters for 'References' should be replaced by English.*]*

Response 1: *[I extend my apologies for this error and have implemented the necessary corrections. The relevant text has been highlighted in grey.]*

Comments 2: *[*LIne 97, give a reference for yolov8 / ultralytics (URL is probably best).*]*

Response 2: *[Added references in URL format. Glenn Jocher and Ayush Chaurasia and Jing Qiu. Ultralytics YOLOv8. 2023. https://github.com/ultralytics/ultralytics]*

Comments 3: *[*A brief sentence pointing out the head differences between yolov8n and yolov8-fads would be nice for figure 2 caption.*]*

Response 3: *[The title of Fig 2 has been revised to concisely delineate the disparity between the two.]*

Comments 4: *[*I do not feel like point 5 is adequately addressed; are the modifications specifically for helmet detection (I don't think they are, rather, the researchers are motivated specifically for helmet detection). So lines 82-91 would be a good candidate to state this.*]*

Response 4: *[I'm sorry, it really didn't address the issue you raised last time. Ensuring that the motivation and scope of the changes are clearly communicated is essential and has been stated at the end of lines 82-91. It can be widely used for other target detection tasks.]*

Comments 5: *[*The captions still need to be improved - some readers (like me) tend to first skim through, look at the paper structure, and having information in the caption that tells me a little about the significance of the figure is helpful.*]*

Response 5: *[Changes have been made to the title to reveal some important information.]*

Comments 6: *[*For labelimg, is this the tool? https://pypi.org/project/labelImg/ *]*

Response 6: *[Yes, LabelImg is a popular image annotation tool that helps users to annotate images and generate datasets for training target detection models. More information about LabelImg, including installation guides, usage instructions, and other related resources, can be obtained from this link. The dataset in the article is the public dataset CUMT-HelmeT from the China University of Mining and Technology, which I annotated using LabelImg.]*