




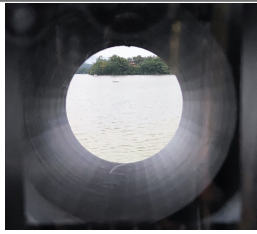
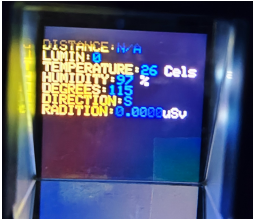

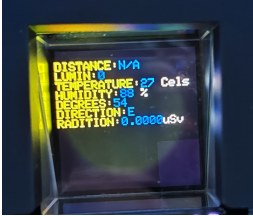

# FIELD TEST RESULTS OF PESM

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The working effect of the system during the day is shown in the Table I:

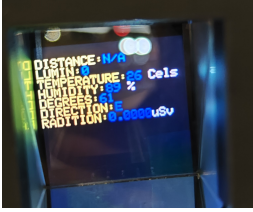
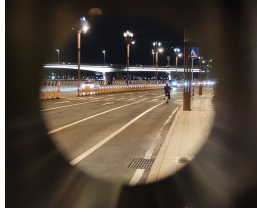
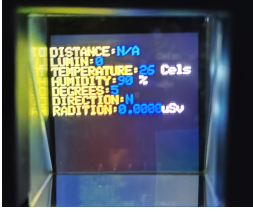

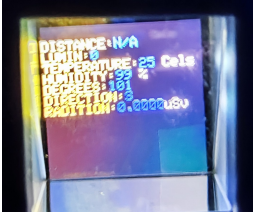

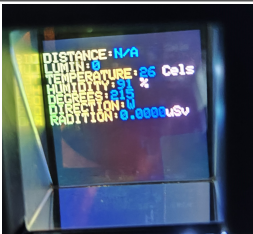

Table I. Field Tests in Daytime

Location	Time	Average Temperature	Figure I (HUD On)	Figure II (HUD Off)
Road	10:08	29.2		
Riverside	14:19	26.5		
Mountain	15:54	26.0		
Park	17:32	26.1		

During the daytime, the displayed parameters are relatively limpid. After turning off the parameter display, the clarity of direct vision through the PBS is good, and the scene ahead can be seen.

Notice that the road conditions can actually clearly see the information displayed by the HUD, but the HUD effect captured by the recording equipment is weak, so the author adjusted the brightness and contrast of the picture so that readers can see the HUD information.

Table II. Field Tests at Night

Location	Time	Average Temperature	Figure I (HUD On)	Figure II (HUD Off)
Road	20:41	25.4		
Riverside	21:51	25.9		
Mountain	19:23	24.1		
Park	20:17	26.2		

As shown in Table II, the HUD has sufficient brightness and can display environmental parameters normally. The pure observation scene after turning off the HUD also has good clarity.