

Thermal vision sight TV/D 35 AR



Parameter	Value
Optical system	
Lens focal length, mm, not less	35
Optical magnification, times, not less	2,7
Field of view, degrees, no less	7,5×5,6
Click value, cm per 100 m, no less	1,7
Detection range (0.5 x 1.5), m, not less***	1200
Recognition range (0,5 x 1,5), m, not less***	400
Thermal imaging module	
Matrix type	Uncooled bolometer
Resolution, pixels, no less	384×288
Pixel size, microns	12
Display	
Display type	OLED
Display resolution, pixels, at least	1024 × 768
Eyepiece diopter adjustment range, dptr	from minus 4 to plus 4
System parameters	
Device turn-on time, seconds, not more than	10
Batteries	type 18650 (2 pcs.)
Operating temperature range	from minus 20° C to plus 55° C
Overall dimensions, mm, not more than**	190 × 105 × 75
Weight of the device, g, not more than***	900
* The specified range is given for the following observation conditions: – target size (0.5 × 1.5) m; – temperature difference between the target and the background should be at least 2° C; – atmospheric transmittance in the range from 8 to 14 microns should be: $\tau(R) = e^{-\sigma R}$ where R is the distance to the target in km, $\sigma = 0.2 \text{ km}^{-1}$; – during the observation, there should be no fog, noticeable haze, precipitation (rain, snow), the meteorological range of visibility should be at least 10000 m. **without eyecup ***without batteries	