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and tactical and strategic surveillance in both commercial and defense applications because of its ability to combine high-resolution two- and three-dimensional mapping with all-weather

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processing is



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referred the part that is still dealing with the analog (or often present even as a digital value) magnitude of the echo signal. The radar data processing is the part of processing, which concerns

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only the  
information  
about a target.

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Processor The  
signal processor  
is that part of  
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separates  
targets from  
clutter on the  
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content and  
amplitude  
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In modern radar  
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a. richards.

Resolution is  
the ability of a

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radar to resolve  
(distinguish)  
between two or  
more targets on  
the same bearing  
but at different  
ranges Range  
cell (or)  
Resolution cell  
is smallest  
range increment  
the radar is  
capable of  
detecting. If

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the radar has a range resolution of 50 yards and a total range of 60000 yards there are  $60000/50=1200$  range cells.

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