

10. - GPS GIS- , 1999. - .23-27. GPS SR9500. - .: 13. - GPS GIS- », 2005. - . 133 – 135. Leica, 1997. – 68 . / . . . . . IV . . . . . 11. -8 ( 3- ). - .: , « - GPS GIS- », 1999 . - . 23 - 27. 12. . . . . 14. - / : « », , 2006. – 185 . 3.12.2008

**GPS-**

GPS- , GPS- . . . . .

**PROBLEMS AND PERSPECTIVE DIRECTIONS OF DEVELOPMENTS OF  
GPS – SYSTEMS OF AIRPHOTO TYPE**

V. V. Pashkovskyy, O. D. Paschetnyk

*In the article the thorough analysis of question of connection of navigational systems with photo equipment is conducted. of Important problems of airphoto production, the cost of introduction of new method is calculated, that considerably goes down due to the exclusion of process planned high altitude preparation are determined. Using of GPS is offered for airphoto, that allows to diminish the number of surface supporting points for drawing a map and helps to define position of center of projection of cameras, which are applied in photograph.*

**Keywords:** airphoto, airphotography, positioning, stereophotogrammetrical method, GPS -receiver, GPS-antenna, aircraft.

629.113: 656.13

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ADXL250, ADXL202

Analog Devices).

GPS – Navstar ( ).

Galileo ( )

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[2].

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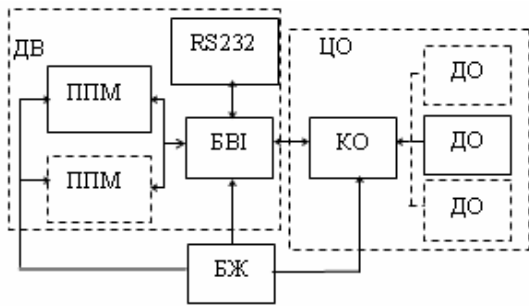
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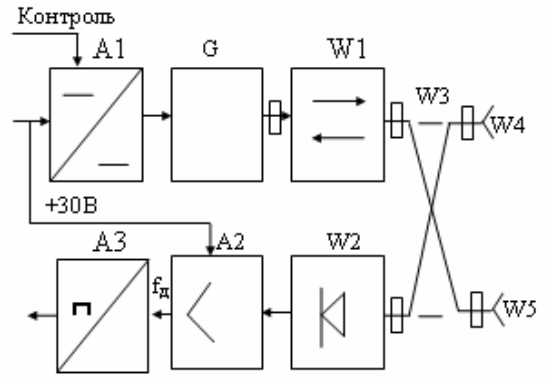
[2,3].

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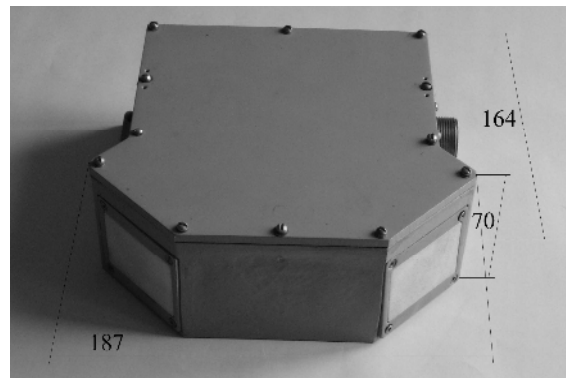
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. 2.

187 164 70 ( . 3).

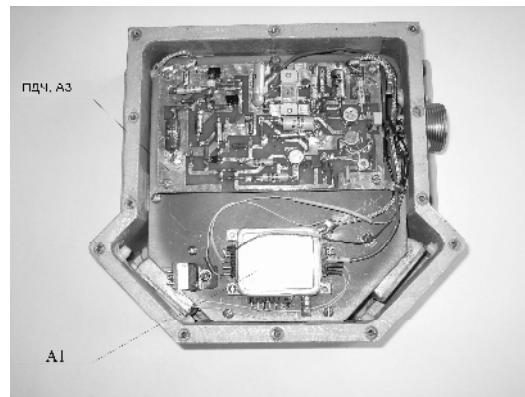
2,5 [5].



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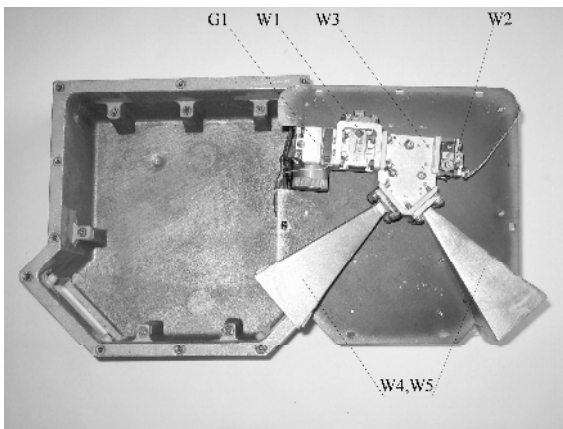
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45° ( ) W4, W5  
( . 3, 5).

G1, W1, W2  
W3, W4, W5

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Hummer M998

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RS-232 USB,

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16.12.2008

**FEATURES OF CONSTRUCTION OF SUBSYSTEM OF DETERMINATION OF WAY AND EXPERIMENTAL RESEARCHES OF ITS COMPONENT PARTS**

Y.I. Budaretski, M.G. Grubel, M.I. Gladki, S.M. Nazarkevich

*The features of construction of subsystem of determination of way (SDW) and doppler measuring device of parameters of motion are considered in the article (DM). Experimental researches DM are expounded.*

**Keywords:** *satellite radionavigation system, inertsyal navigation, doppler measuring device.*

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