notes on update

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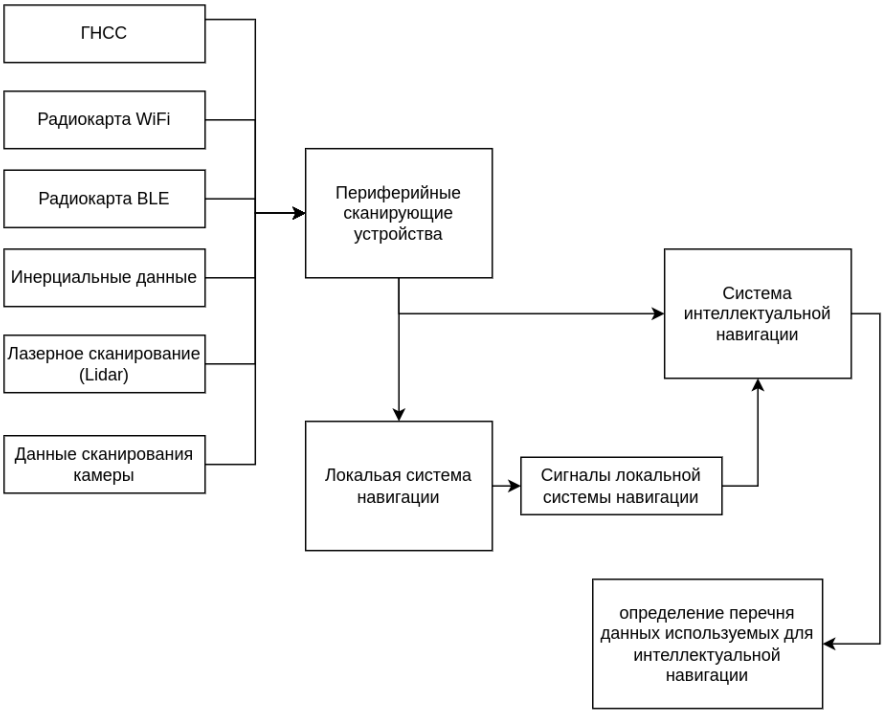

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720p	1280 x 720	800 – 900MB
1080p	1920 x 1080	1.2 – 1.4GB
2K	2048 x 1080	2.8 – 3GB
4K	3840 x 2160	20 – 22GB

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- 2000 2

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$$l_{side} = \sqrt{s_{area}} \tag{1}$$

$$n_{routes} = l_{side}/d_{discretisation} \tag{2}$$

$$l_{cover} = l_{side} \cdot n_{routes} \cdot n_{repeates} \tag{3}$$

$$size_{allvideo} = l_{cover}/\frac{[v_{avg}]m/s}{60} \cdot [\rho]Gb/min \tag{4}$$

$$= \frac{s_{area}[m^2] \cdot n_{repeates}[\frac{1}{m}]}{d_{discretisation}[m]}/\frac{v_{avg}[m/s]}{60} \cdot \rho[Gb/min] \tag{5}$$

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a^2+b^2=c^2
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$s_{area} = 2000m^2$ $\sqrt{s_{area}} = 45m$,
$discretisation = 10m$.

, $n_{repeates} = 2.5$. /
3 / .

$freq = 1080p$, :

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$$l = \frac{2000[m^2] \cdot 2.5[\frac{1}{m}]}{10[m]} = 500[m] \quad (6)$$

$$v = 3 \cdot 60 = 180[m/min] \quad (7)$$

$$t = 500[m]/180[m/min] = 2.8[min] \quad (8)$$

$$S = \cdot 1.4[GB/min] \cdot 2.8[min] = 3.92GB \quad (9)$$

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$$rate_{vid} = 1.4[GB/h]/60[Gb/m] = 0.023Gb/msize = rate_{vid}. \quad (10)$$

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