



**VISIONMAP**  
Digital mapping systems

Largest Footprint  
Fastest Processing

# A3 Edge



The most efficient digital mapping camera in the market gets even better with the introduction of A3 Edge

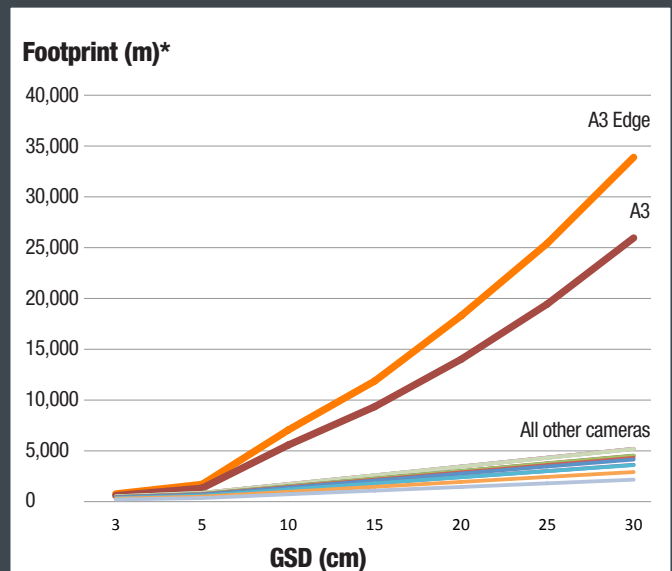
## A3 Edge productivity vastly exceeds other commercial systems

- Largest footprint with 80,000 pixels - 4 times larger than other vendors' cameras
- Highest resolution per altitude - for example collects 10 cm GSD imagery from 14,000 feet
- High dynamic range imagery

VisionMap's next generation aerial mapping camera, the A3 Edge, extends the advantages of the well known A3 camera to a new level.

Using a new generation of CCDs and electronics, A3 Edge collects even more area per hour, in better resolution, providing colorful sharp imagery for large area mapping applications.

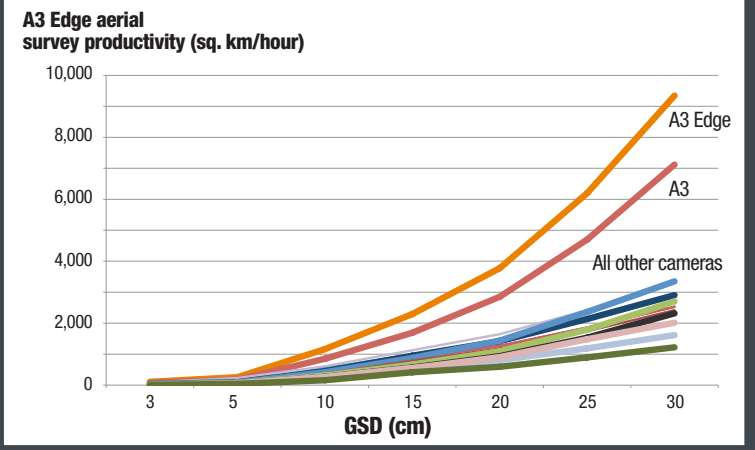
## A3 Edge Largest Footprint



\*meters across track, comparable to swath

# A3 Edge

## A3 Edge aerial survey productivity



## A3 models performance comparison\*

GSD (cm)	3.0	5.0	10.0	15.0	20.0	25.0	30.0
<b>A3</b>	70	176	849	1,692	2,850	4,700	7,121
<b>A3 Edge</b>	100	250	1,000	2,250	3,750	6,200	9,350

\* net coverage for orthophoto production (km<sup>2</sup>/hour)

## A3 flight scenarios

GSD (cm)	3.0	5.0	10.0	15.0	20.0	25.0	30.0
Altitude above ground (feet)	4,194	6,990	13,981	23,767	27,961	34,952	41,942
Typical ground speed (knots)	190	205	225	260	285	335	380
Flight line distance (m)	303	676	2,792	4,766	7,154	9,982	13,286
Footprint width (m)	761	1,703	7,059	11,881	18,286	25,419	33,887
<b>Net coverage for orthophoto production (km<sup>2</sup>/hour)</b>	<b>100</b>	<b>250</b>	<b>1,000</b>	<b>2,250</b>	<b>3,750</b>	<b>6,200</b>	<b>9,350</b>

## A3 Edge specification summary

<b>Total weight (kg)</b>	35
<b>Camera dimensions (cm)</b>	53*53*53
<b>Camera installation time (min)</b>	10
<b>Max footprint (pix)</b>	80,500 * 10,200
<b>Max SLF size (MPix)</b>	780
<b>Pixel size (micron)</b>	7.0 *
<b>Focal length (mm)</b>	300
<b>Color</b>	RGB / RGB+NIR
<b>Color depth (bit)</b>	12
<b>Dynamic range (dB)</b>	74 (Typical)
<b>Motion compensation</b>	Forward, Roll, Vibration (FMC,RMC,VC)
<b>On-board storage capacity for continues acquisition (hours)</b>	8 - 9

\* Sub-pixel binning from 5.5 um

The information contained in this publication is provided for general guidance only and shall not in any circumstances constitute a trade description. The Company reserves the right to change or amend specifications without prior notice.

**VisionMap A3. Largest footprint. Fastest processing.**