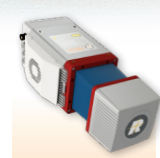
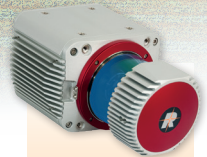
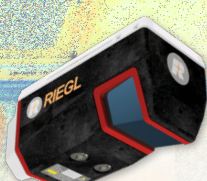
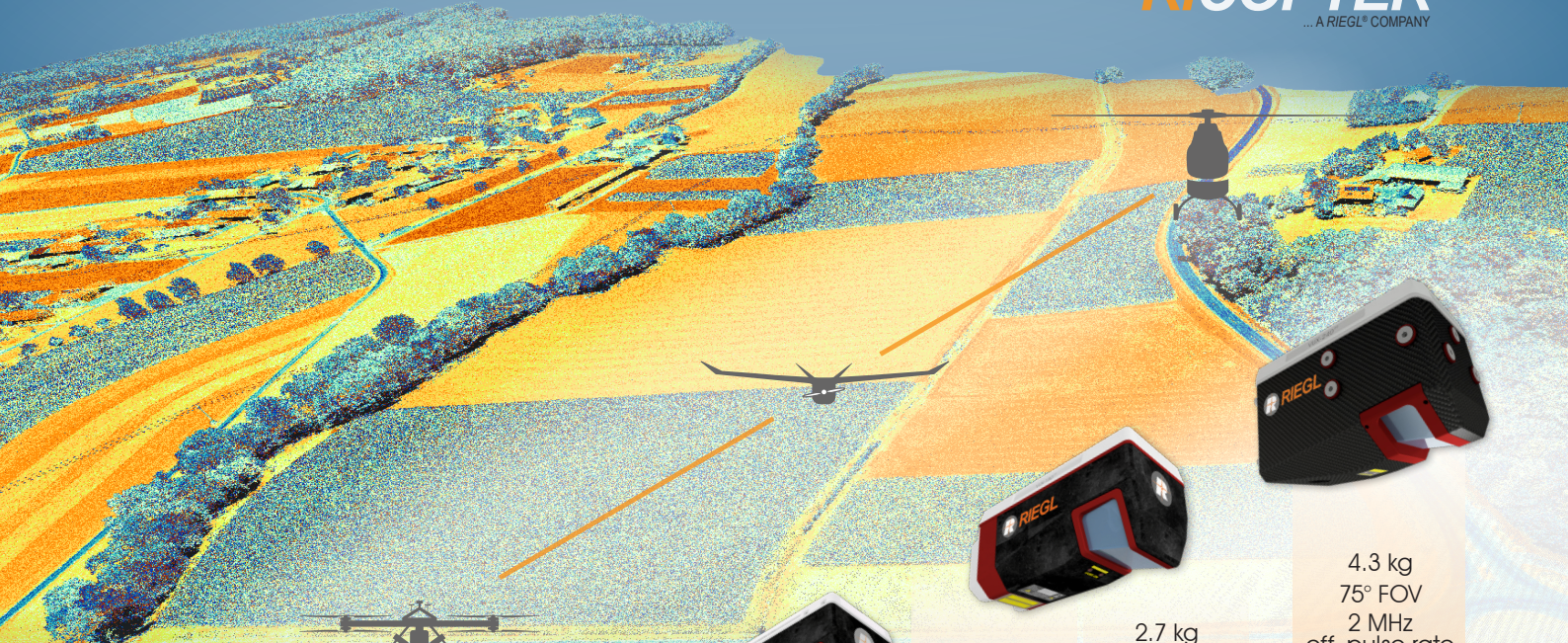


# RIEGL UAV LiDAR SENSORS & SYSTEMS

CHOOSE THE SENSOR EXACTLY RIGHT  
FOR YOUR SPECIFIC SURVEYING MISSION!

DISTRIBUTED, SUPPORTED AND SERVICED BY  
**RICOPTER**<sup>®</sup>  
... A RIEGL<sup>®</sup> COMPANY



1.6 kg  
360° FOV  
100 / 200 kHz  
eff. pulse rate  
  
*extremely  
lightweight*

3.5 kg  
360° FOV  
1.2 / 1.5 MHz  
eff. pulse rate  
  
*powerful  
sensor for  
various  
applications  
in wide area  
UAV surveying*

**NEW**  
2.3 kg  
160° FoV  
1.33 MHz  
eff. pulse rate  
scan speed  
up to 200  
lines/sec  
  
*large FOV and  
lightweight;  
suited for  
complex  
areas and  
flexible use*

2.3 kg  
100° FOV  
2 MHz  
eff. pulse rate  
  
*NFB (Nadir/  
Forward/  
Backward)  
Scanning for  
an optimal  
coverage  
of complex  
and vertical  
targets*

2.6 kg  
100° FOV  
2 MHz  
eff. pulse rate  
  
*fully  
integrated  
IMU/GNSS  
system*  
  
*NFB (Nadir/  
Forward/  
Backward)  
Scanning for  
an optimal  
coverage  
of complex  
and vertical  
targets*

2.7 kg  
75° FOV  
2 MHz  
eff. pulse rate  
  
*fully  
integrated  
IMU/GNSS  
system*  
  
*scan speed  
up to  
800 lines/sec,  
resulting in an  
optimal line  
and point  
distribution;  
perfectly  
suited for use  
on high-speed  
UAVs*

4.3 kg  
75° FOV  
2 MHz  
eff. pulse rate  
  
*operating  
flight altitude  
up to 1,430 m  
(4,700 ft)  
@ 60%  
target  
reflectivity*  
  
*versatile  
scanner for  
use on  
high-speed  
UAVs,  
helicopters or  
small manned  
aeroplanes*

- miniVUX-1 UAV  
miniVUX-3 UAV
- VUX-1 UAV<sup>22</sup>  
VUX-1 LR<sup>22</sup>
- NEW**  
VUX-100<sup>25</sup>
- VUX-120<sup>23</sup>
- VUX-160<sup>23</sup> / VUX-180<sup>24</sup>
- VUX-240<sup>24</sup>

**for applications using low-flying small or mid-sized multi-rotor UAVs**  
e.g. mining, topography, forestry, landslide and avalanche monitoring

**for applications using fixed-wing UAVs**  
e.g. corridor mapping, city modeling

**for applications using higher-flying large UAVs or helicopters**  
e.g. mapping with the need of detailed high-resolution data



RIEGL UAV LiDAR Sensors & Systems  
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