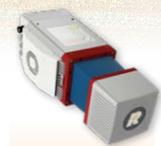
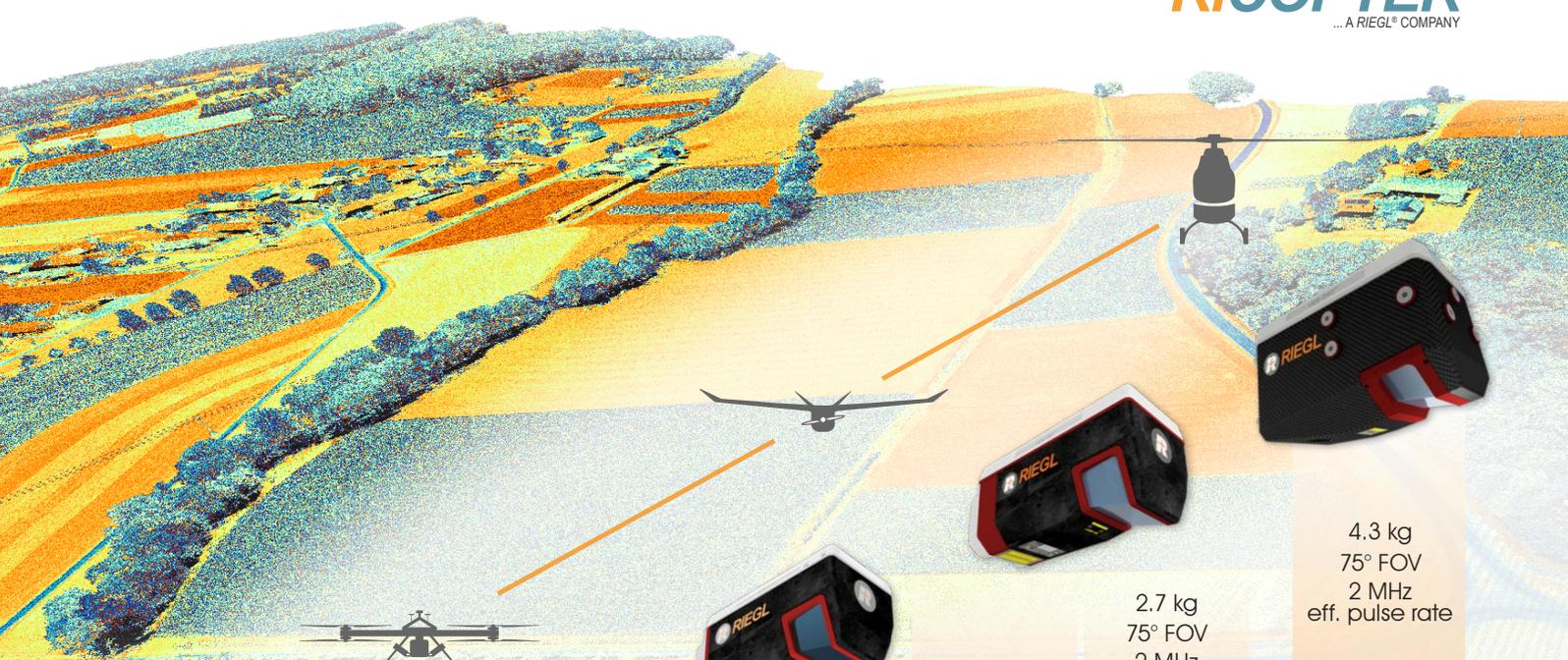


# RIEGL UAV LiDAR SENSORS & SYSTEMS

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



2.2 kg  
up to 160° FOV  
1.33 MHz  
eff. pulse rate  
scan speed  
up to  
200 lines/sec

fully  
integrated  
RiLOC-F<sup>inside</sup>  
IMU/GNSS  
system  
(optional)



2.3 kg  
100° FOV  
2 MHz  
eff. pulse rate

fully  
integrated  
RiLOC-F<sup>inside</sup>  
IMU/GNSS  
system  
(optional)

NFB (Nadir/  
Forward/  
Backward)  
Scanning



2.6 kg  
100° FOV  
2 MHz  
eff. pulse rate

fully  
integrated  
RiLOC-F<sup>inside</sup>  
IMU/GNSS  
system  
(optional)

NFB (Nadir/  
Forward/  
Backward)  
Scanning



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-3UAV

VUX-1 UAV<sup>22</sup>  
VUX-1LR<sup>22</sup>

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  
[www.riegl.com](http://www.riegl.com)

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