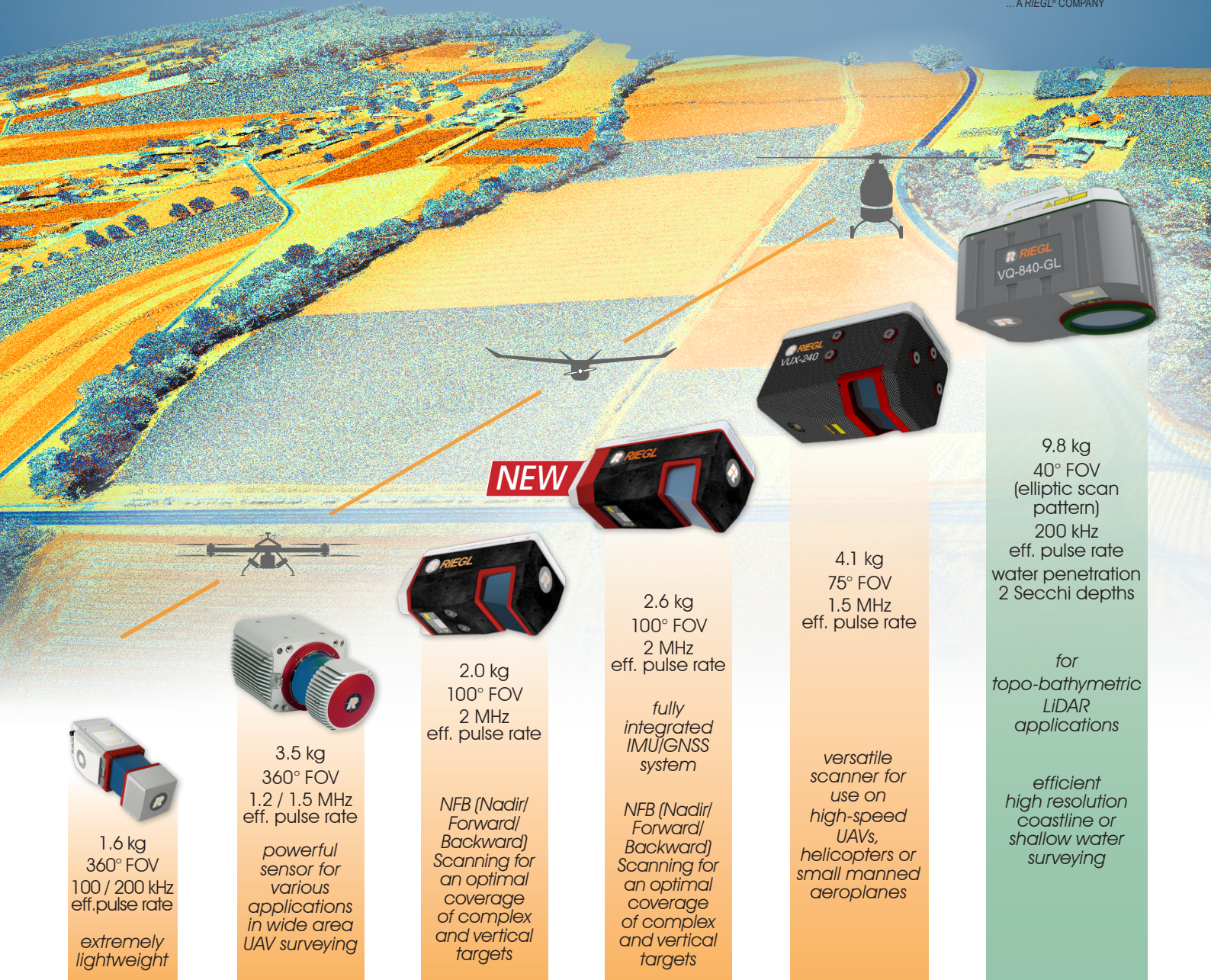


# RIEGL UAV LiDAR SENSORS & SYSTEMS

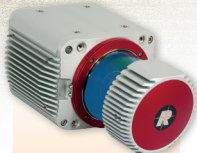
CHOOSE THE SENSOR EXACTLY RIGHT  
FOR YOUR SPECIFIC SURVEYING MISSION!

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*



2.0 kg  
100° FOV  
2 MHz  
eff. pulse rate

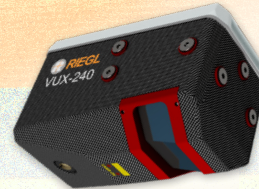
*NFB (Nadir/  
Forward/  
Backward)  
Scanning for  
an optimal  
coverage  
of complex  
and vertical  
targets*



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*



4.1 kg  
75° FOV  
1.5 MHz  
eff. pulse rate

*versatile  
scanner for  
use on  
high-speed  
UAVs,  
helicopters or  
small manned  
aeroplanes*



9.8 kg  
40° FOV  
(elliptic scan  
pattern)  
200 kHz  
eff. pulse rate  
water penetration  
2 Secchi depths

*for  
topo-bathymetric  
LiDAR  
applications*

*efficient  
high resolution  
coastline or  
shallow water  
surveying*

miniVUX-1 UAV  
miniVUX-3 UAV

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

VUX-120<sup>23</sup>

VUX-160<sup>23</sup>

VUX-240

VQ-840-GL

**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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