

RIS Hi-Pave	
TECHNICAL SPECIFICATIONS	
Data Logger	Panasonic CF-19 (or alternatively any Windows PC with an Ethernet LAN interface)
Radar Control Unit	Standard configuration 1 x DAD MCh Fast Wave Fast configuration 2 x DAD MCh Fast Wave + Synchro Unit
Max Number of Channels	Up to 6
Antenna Frequency	Air Launched antenna: HR1000 (1000MHz)* Air Launched antenna: HR2000 (2000MHz) Dipole antenna: TR600 (600 MHz)* Dual Frequency: Dual F 400-900 (400MHz & 900MHz)
Antenna Weight	HR1000 or 2000: 6.5 kg TR600: 3 kg
Antenna Dimensions (L x W x H)	Air Launched antenna: 53 x 23 x 50 cm Dipole antenna: 20 x 26 x 20 cm
Positioning	Metric wheel and/or GPS interface
Collection Speed	Up to 250 km/h @ 10 scans/meter, 512 samples
Video Camera	Synchronized radar and video data
Environment	IP65
SOFTWARE SPECIFICATIONS	
Processing Software	GRED 3D includes: 3D view (B-scan and C-scan) Layers analysis and view - Manual or automatic layer tracking Core insertion - GPS positioning from any NMEA CGA output - CAM View - Automatic and Manual data processing Iso-surface map - Graphic comments and parameters Color scale/palette - Propagation velocity estimation - Data Processor with all the basic filters
Output Data	Excel, ASCII, HDF5, jpg, bmp