



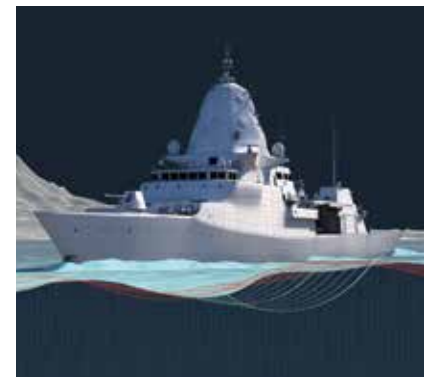
L3HARRIS™
FAST. FORWARD.

VIGILANT™

Digital ESM solutions for advanced situational awareness and threat detection

DIGITAL ESM SOLUTIONS FOR SURFACE NAVAL PLATFORMS – VS-3601S AND VS-3701S

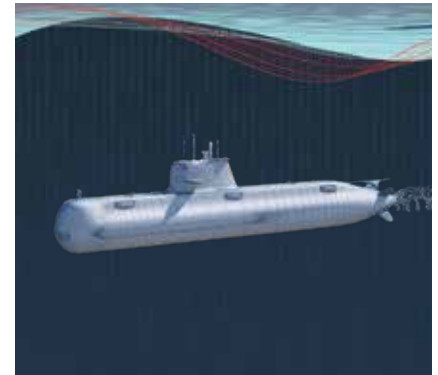
FEATURES		
	VS-3601S	VS-3701S
Key system capabilities	<ul style="list-style-type: none"> > High sensitivity and dynamic range > 100% probability of intercept > Instantaneous DF over 360° > Long-range detection, DF and tracking > Measures all radars simultaneously 	<ul style="list-style-type: none"> > High sensitivity and dynamic range > 100% probability of intercept > High precision, instantaneous DF over 360° > Wideband, narrowband and low-band subsystems for comprehensive signal exploitation using advanced sapience emitter processing algorithms > Handles FMCW radars with ultra-high sensitivity and DF
Performance	<ul style="list-style-type: none"> > 2-18 GHz instantaneous RF coverage with AOA on every pulse > High sensitivity > Receives RHCP and LHCP > Accurate pulse measurements > Processes narrow pulses 	<ul style="list-style-type: none"> > Customizable instantaneous RF coverage (low-band and MMW) > Precision DF over elevation and all azimuths with high dynamic range > Extensive interference rejection capabilities > Suitable for operation in highly congested and contested signal environments > Processes narrow pulses
Signal processing performance	<ul style="list-style-type: none"> > Operates effectively in 1 MPPS signal environment > 20,000 emitter mode library capacity > Tracks 500 emitters simultaneously > < 1 second reaction time for new emitters 	<ul style="list-style-type: none"> > Operates effectively in 1 MPPS signal environment > 20,000 emitter mode library capacity > Tracks 500 emitters simultaneously > < 1 second reaction time for new emitters > Supports topologies with multiple signal processing components
Human-Machine Interface (HMI)	<ul style="list-style-type: none"> > Windows user interface > Easily integrated to modern combat management systems > Updated command-and-control interface supports HMI, remote control or autonomous control of the system > Single, compact and performance-enhanced user displays and controls > Built-in training 	
Options	<ul style="list-style-type: none"> > FMCW detection and identification at very high sensitivity > ELINT capabilities > Uses digital receivers for precision measurements > High-speed digital recorder > Extended RF ranges 	<ul style="list-style-type: none"> > FMCW detection and identification at very high sensitivity > ELINT capabilities > Uses digital receivers for precision measurements > High-speed digital recorder > Low-band and continuous MMW RF processing support > Extended RF ranges



L3Harris' VS-3601S and VS-3701S solutions provide critical situational awareness that aids warfighter decision-making and enables mission success.

**DIGITAL ESM SOLUTIONS FOR SUBSURFACE NAVAL PLATFORMS –
VS-3601U AND VS-3701U**

FEATURES		
	VS-3601U	VS-3701U
Key system capabilities	<ul style="list-style-type: none"> > Compact antenna configurations > High sensitivity and dynamic range > 100% probability of intercept > Instantaneous DF over 360° > Long-range detection, DF and tracking 	<ul style="list-style-type: none"> > Multiple mast configuration support > High sensitivity and dynamic range > 100% probability of intercept > High precision, instantaneous DF over 360° > Wideband, narrowband and low-band subsystems for comprehensive signal exploitation using advanced sapience emitter processing algorithms > Handles FMCW radars with ultra-high sensitivity and DF
Performance	<ul style="list-style-type: none"> > Operates successfully with DF or OMNI directional antenna inputs > 2-18 GHz instantaneous RF coverage with AOA on every pulse > High sensitivity > Receives RHCP and LHCP > Accurate pulse measurements > Processes narrow pulses 	<ul style="list-style-type: none"> > Accepts RF inputs from array of antenna components > Customizable instantaneous RF coverage (low-band and MMW) > Precision DF over elevation and all azimuths with high dynamic range > Extensive interference rejection capabilities > Suitable for operation in highly congested and contested signal environments > Processes narrow pulses
Signal processing performance	<ul style="list-style-type: none"> > Supports operation in multiple mast states > Operates effectively in 1 MPPS signal environment > 20,000 emitter mode library capacity > Tracks 500 emitters simultaneously > < 1 second reaction time for new emitters 	<ul style="list-style-type: none"> > Supports operation in multiple mast states > Operates effectively in 1 MPPS signal environment > 20,000 emitter mode library capacity > Tracks 500 emitters simultaneously > < 1 second reaction time for new emitters > Supports topologies with multiple signal processing components
Human-Machine Interface (HMI)	<ul style="list-style-type: none"> > Windows user interface > Easily integrated to modern combat management systems > Updated command-and-control interface supports HMI, remote control or autonomous control of the system > Single, compact and performance-enhanced user displays and controls > Built-in training 	
Options	<ul style="list-style-type: none"> > ELINT capabilities > Uses digital receivers for precision measurements > High-speed digital recorder > Extended RF ranges 	<ul style="list-style-type: none"> > ELINT capabilities > Uses digital receivers for precision measurements > High-speed digital recorder > Low-band and continuous MMW RF processing support > Extended RF ranges



L3Harris’ VS-3601U and VS-3701U solutions enable warfighters to intercept, analyze, locate, evaluate and report radar signals faster and more effectively than ever.

Vigilant™ Digital ESM Solutions

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