



Job Description

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Image Processing Lead Engineer- Thermal Imager - JD (DJD2024019)

Roles	Image Processing Lead Engineer
Responsibilities	<p>Designing and developing image processing algorithms Analytics for Optronics Products</p> <p>Troubleshooting and diagnosing errors and suggesting suitable repairs or modifications</p> <p>Collaborating with software engineers to ensure software compatibility and integration with the hardware components</p> <p>Work closely with cross-functional team to achieve assigned project/activity targets within boundaries of Time, Cost and Quality</p>
Category	Description
Qualifications	BE (E&C/CS)
Experience	5-10+ years' experience in developing Thermal Imager Products
	<p>Hands on experience in Uncooled Microbolometer detector technology, Non Uniformity correction, Dynamic range compression Image Processing, Intrapolation & Extrapolation, Ballistic calculation, Image Rendering, Object detection, Video Tracking, Video Fusion & Stitchng techniques</p> <p>Knowledge on Sighting products like Weapon Sights, Hand Held Sights, Surveillance Camera, Multi camera Sight</p> <p>Knowledge on Microcontroller, Micro Processor, DSP, FPGA, Discrete & Analog IO Communication bus , Communication networks, SOC / SOM / ASICs etc.</p> <p>Communication protocols like HD SDI, PPI, MIPI, SPI, UART, I2C, wifi, Bluetooth, USB, Ethernet</p> <p>Good understanding of software languages and integration processes.</p> <p>Assist in performing strategic planning, and technical roadmap development.</p> <p>Product Certification Standards</p>
Behavioural Capabilities	<p>Collaborative , Capable to interact / interface with customers, cross functional</p> <p>Excellent Communication,</p> <p>Passionate & Learning ability</p>

Values	Accountable & Responsible, Ethics & Integrity, Knowledge, Collaboration, Caring, Agility, Empowerment with Accountability and Sustainability
Preferred Experience, Knowledge & Attributes	Defence, Industrial domain Knowledge
	Solution / system engg capabilities
	Embedded Firmware & Software Development
	Environmental & EMI/EMC stds, Industrial and defence standards
Compensation	To be filled by HR

