

# VISION EDUCATION PROGRAM

Organized by: SODA VISION PTE LTD

PREPARED BY CERTIFIED VISION PROFESSIONALS



**ala** | **VISION**  
**ONLINE**

GLOBAL ASSOCIATION FOR VISION INFORMATION



# ONE DAY PROGRAM

Time	Topics	PIC	Remarks
09:45 ~ 10:00	Registration		
10:00 ~ 10:20	Introduction & Brand/Product update	LTX	
10:20 ~ 11:00	Fundamentals of Machine Vision <ul style="list-style-type: none"> <li>- Components of Machine Vision</li> <li>- Applications</li> <li>- Quiz</li> </ul>	LWC	
11:00 ~ 12:00	Camera <ul style="list-style-type: none"> <li>- Resolution, frame rate, sensor size</li> <li>- CCD, CMOS</li> <li>- Rolling Shutter, Global Shutter, Global Shutter Reset</li> <li>- Area Scan, Line Scan</li> <li>- Interfaces</li> <li>- Camera Bandwidth</li> <li>- Case study</li> <li>- Quiz</li> </ul>	LCC	
12:00 ~ 12:30	Optics and Lens <ul style="list-style-type: none"> <li>- Field of View, Focal Length, Working Distance, Depth of Field, Aperture, Magnification</li> <li>- Types of lens</li> <li>- Basler Lens Selector</li> <li>- Computar Lens Calculator</li> <li>- Quiz</li> </ul>	KYF	Live demo <ul style="list-style-type: none"> <li>- CCTV lens</li> <li>- Telecentric lens</li> </ul>
12:30 ~ 13:15	Lunch		
13:15 ~ 14:30	Illumination and Controller <ul style="list-style-type: none"> <li>- Wavelength and Color</li> <li>- Type of lights</li> <li>- Lighting Techniques</li> <li>- Lighting Controller</li> <li>- Quiz</li> </ul>	LWC	Live demo <ul style="list-style-type: none"> <li>- Low Angle ring</li> <li>- Coaxial light</li> <li>- Dome Light</li> <li>- Bar light</li> </ul>
14:30 ~ 3:15	System Integration & Hands-on <ul style="list-style-type: none"> <li>- Pylon viewer</li> <li>- Trigger and Strobe wiring</li> <li>- Troubleshooting</li> </ul>	LCC	Live demo <ul style="list-style-type: none"> <li>- Camera Triggering</li> </ul>
3:15 PM	End		

**THANK YOU**

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