



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.

PR. 1000054533

RFX No. 6100002950

Digital Microscope

Sr. No	Item Description	Detailed Technical Specification	Technical Compliance (Yes / No)	Additional Information (if any)
1	Lens Magnification Range	20x-200x		
2	Resolution	2048 (H) × 1536 (V)		
3	Light Source type	High Intensity LED source		
4	Measurement modes	Manual, 2D & 3D 3D profile Measurement		
5	Reports	One Click Report output in Excel format		
6	Screen & controller	Size		
		Screen size		
		Pixel pitch		
		Number of pixels		
		Display colours		
		Brightness		
		Contrast ratio		
		Viewing angle		
		Hard disk drive unit		
		Operating system - Windows 10 or above		
		Image format		
		Mouse input		
		Keyboard input		
		LAN		
USB				
Power voltage				
Power consumption				
Operating ambient temperature				
Operating ambient humidity				

7	Fully Automatic Stage	XY stage: Motorized/Manual		
		XY-stage movement range		
		XY stage size		
		Z stage: Motorized/Manual		
8	Special Features	Camera-shake correcting function		
		Full-screen display function		
		Split-screen function		
		Auto-focus function		
		Manual Focus		
		Comment display function		
		Glare removal function		
		Quick composition & 3D function		
		High-quality depth composition		
		3D display function		
		3D shape correction function		
		3D comparison function		
		Report output (Excel)		
		Capture condition reproduction function		
		Timer capture function		
		Video recording/ playback function		
		Distance, angle, radius, area etc.		
		Automatic edge detection		
		CSV storage		
		3D profile measurement		
		Point height measurement		
3D volume measurement				
Wide image display function				
Communication software				
3D image playback software for the PC				
	Warranty	1 Year		
	Delivery	2 weeks		

