



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY**  
**MATERIALS MANAGEMENT DIVISION**  
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RFx. No.6100000958

**Technical specification for the High-speed camera**

Sensor	CMOS
Full resolution	1280 X 1024 pixels or higher
Pixel Size (microns)	$\geq 10\mu\text{m} \times 10\mu\text{m}$
Frame rate @ full resolution	2000 fps or higher
Maximum frame rate	160,000 fps
Light Sensitivity	ISO 10,000 monochrome
Global Electronic Shutter	Minimum Shutter speed $< 4\mu\text{s}$
Internal Recording Memory	4 GB or higher
Quantum Efficiency	$> 60\%$ at 630 nm
Fill Factor	$\geq 80\%$
Memory Partitions	$\geq 64$ memory segments
Should include camera control & imaging software	
Installation, commissioning should be provided	
Customer references should be provided	
Warranty period : 1 year	