

Technical Specifications for High Speed Camera for PIV

PARAMETERS	SPECIFICATION	COMPLIED/ NOT COMPLIED	REFERENCE PAGE NO
Sensor type	Monochrome		
Full Resolution	At least 1 Megapixel		
Pixel Size	At least 20 μ m x		
Quantum Efficiency	At least 75% at		
Frame rate (fps)	At least 9,000 fps at full resolution		
Global Electronic	Lower than 1 μ s independent of frame		
Dynamic Range	12-bit monochrome		
Internal Recording Memory	At least 32 GB (separately		
Light Sensitivity	ISO 60,000 monochrome or higher (Excluding		
Memory Partitions	Up to 128 memory		
Interface	High-speed 10		
Low Light Mode	Operation at minimum frame rate with		
Software	Capable of controlling the camera parameters such		
Saved Image	BMP, TIFF, JPEG,		
Supported OS	Microsoft Windows		
Power requirement	Should be able to work with 220 V		
Warranty	At least 1 year		
Camera should be able to remotely switch			
Camera lens: 100 mm Macro lens F/2.8			
Tripod: Medium weight tripod for the			
ELIGIBILITY			

<p>The bidder/OEM should have supplied at least 3 similar items to IITs, NITs, IISERs, CSIR Labs or other Govt. R&D organizations in the last 5 years, PO copies or installation certificates along with contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims / IIT at its own discretion may seek opinion of the customer, based on which the vendor's offer may be accepted or rejected</p>		
<p>The company should not have been banned/suspended/blacklisted for any reason by any Government Organization/PSU/CSIR lab in last 3 years - Bidders should provide a self-declaration (Annexure-VI) for this point on the company letterhead along with Seal, sign & date.</p>		
<p>Company should be registered in India for last 3 year. Proof of company registration should be enclosed.</p>		
<p>The bidder should have 50 lakhs turnover in any one of the last 3 Financial Year.</p>		

(Note: It is mandatory for the bidders to provide the compliance statement (comply/not comply) for the Above points with document proof as required). If the compliance statement (comply/Not comply) is not furnished for the evaluation. Bidders will be disqualified.