

SPECIFICATION FOR HIGH SPEED CAMERA WITH CONTROL SOFTWARE, DATA ACQUISITION SYSTEM AND ACCESSORIES

High speed camera specifications		
1	Type of camera	Colour camera
2	Light sensitivity	ISO colour
3	Shutter	Electronic/Global shutter
4	Maximum frame rate (at full sensor resolution)	Min.1000 fps at 800 x 600 pixel or better
6	Full frame resolution	Min.800 x 600 pixel or better
7	Recording time	Min. 6 sec at sensor resolution of 800 x 600 and 1000 fps.
8	Internal camera memory	Adequate memory to capture 800 x 600 pixel at 1000 fps for min. 6 sec
9	Replay	Replay of the data is possible with different frames rate from the recording speed down to 1 fps
10	Region of interest selection	Option shall be available
12	Camera control	Control using data recording system connected by Ethernet or optical fiber or USB, cable of length 15 m
13	Trigger modes	Start, End, Center, Manual, Random.
14	Image data display	Frame rate, shutter speed/time, trigger mode, date/time status (Play back/record), real time/external time input, frame count and resolution.
15	Timing	Internal clock or external source, IRIG-B
16	Saved image formats	BMP, TIFF, JPEG, PNG, RAW, AVI and MOV, Images can be saved with or without image data or comment data
17	Operating temperature of camera	25-50 deg C
18	Humidity	Max 85 % RH
19	Power requirement-AC	230 V AC 50Hz (Indian standard) with suitable power adaptor
Software features		
1	Software compatibility	Compatible with latest windows 10 or higher operating system. Free upgrade and software updates for 5 years after expiry of warranty.
Accessories specification		
1	Data acquisition system	Data recording and storage (>2TB) with software (Price to be quoted separately)
2	Tripod	Tripod with 3 way head stand
3	Carrying case	Rugged transit case for housing camera and its accessories
4	Lenses	Focal length of 50-200 mm or better zoom lens (with additional support if required)

Others		
1	Pre-Delivery Inspection (PDI)	Pre-delivery inspection shall be done prior to the delivery.(Online or offline mode as decided by VSSC).
2	Delivery	PDI within 10 -14 weeks from the date of PO placement. Delivery within 4- 6 weeks after completion of PDI.
3	Installation	Free installation, demonstration of camera and software at VSSC.
4	Warranty	The complete supply must be guaranteed for free repair/replacement for 12 months at no extra cost from the date of installation, commissioning and acceptance by VSSC.
5	Annual Maintenance	Non-Comprehensive AMC for 2 years shall be quoted separately. 2 AMC visits per year and 1 Emergency visit (if any) per year.
6	Payment	Payment will be done only after successful installation and demonstration at VSSC.