

## Technical Specification for

3 axis stabilized gimbal mounted Camera with IR (Night Vision) for UAV

S.No	Specifications		Compliance Yes/ No	Ref. Page no.
1.	Lens	10X Optical Zoom, 3X Digital Zoom		
2.	IR	Adaptive automated		
3.	Focal Length	5.15±5%~47.38±5%mm		
4.	Aperture	f1.8-2.5		
5.	Focus	0.2 m to ∞		
6.	FOV	Diagonal 79.5°, Horizontal 71.5°		
7.	Image Sensor	CMOS , 1/2.7", 4 MP or higher		
8.	TF Recording Resolution	2560 x 1440 @ 30fps or higher		
9.	Video Storage Bitrate	12Mbps		
10.	File Storage Format	FAT32		
11.	Video Format	MP4/H.265/H.264		
12.	Image Format	JPEG/RAW		
13.	Still photography mode	Single		
14.	Metering mode, White Balance	Evaluative metering, Auto		
15.	Supported MicroSD Cards	MicroSD Class10		
16.	Video Output Port	Ethernet / HDMI / Micro HDMI		
17.	Control Signal Input Port	S.Bus/PPM/UART/UDP		
18.	Working Voltage	11v-25.2V (3S - 6S)		
19.	Working Temperature	-10°C-50°C		
20.	Power Consumption	< 4W		
21.	Angular accuracy	±0.01°		
22.	Tilt Range	+20 to -135 degrees / more		
23.	Pan Range	360 degrees		
24.	Roll Range	+75 to -75 / more		
25.	Overall dimensions (max. allowable)	150 x 150 x 100mm		
26.	Weight (max. allowable)	< 500 g		

(Note: It is mandatory for the bidders to provide the compliance statement in tabular column format along with catalogue page number (comply/not comply) for the above points with document proof as required. Failing which bidders will be technically disqualified)