

UD Series—small 2-axis gimbal cameras

		UD100S	UD100SB	UD100Q
Images				
Infrared thermal imager	Detector resolution	-		Uncooled Focal Plane Detector
	Pixel size			12μm
	Lens			25mm
	FOV			17.5°×14.0°
Visible light camera	Resolution	1920×1080		
	Lens	5.1mm~153mm	5mm~125mm	8mm
	FOV	55.2°×31.1°~2.7°×1.5°(±5%)	56.5°×33.8°~2.4°×1.3°(±5%)	38°×22°
	Optical zoom	30 times	25 times	-
	Hybrid zoom	60 times	50 times	
Long-focus visible light camera	Resolution	-		1920×1080
	Lens			50mm
	FOV			6.4°×3.6°
Laser rangefinder	Ranging distance	-		20m~2km
	Ranging accuracy			≤2m
	Ranging frequency			1 Hz
Servo platform	Pan angle	360°×n (360° continuous rotation)		-110°×+110°
	Tilt angle	-120° ~ +90° (positive upward)		-90° ~ +30° (positive upward)
	Angular position accuracy	≤0.3° (1σ)		≤0.05°
	Stabilization accuracy	≤0.1mrad (1σ)		≤0.1mrad (1σ/2Hz, 2°/1Hz)
	Maximum angular velocity	20°/s		90°/s
System parameters	Image tracking	Automatically track selected targets		
	Voltage	12V - 32VDC		
	Consumption	Stable Power Consumption: ≤15W, 24VDC power-up peak current ≤5A		Stable Power Consumption: ≤15W (power-up peak current ≥5A)
	Weight	≤550g		≤800g
	Dimensions	108mm×108mm×156.5mm		105mm×91.4mm×148.4mm
Interface	Control interface	RS232/TTL/RS422/ 100 Mbit(optional)		RS422/100 Mbit
	Video Interface	100 megabit Ethernet		HD-SDI/ Sync 422/100 Mbit/HDMI
	Storage interface	≤128G Memory Card (Mini SD Card)		
	Quick release type	Without quick release		-
	Picture format	jpg Format		
	Video format	avi Format		
Environmental adaptability	Working temperature	-20℃ ~ +55℃ (-40℃ optional)		-40℃ ~ +60℃
	Storage temperature	-40℃ ~ +60℃		-45℃ ~ +65℃