

UD Series—medium 2-axis gimbal cameras

		UD140D	UD140T	UD155T	PD185D
Images					
Infrared thermal imager	Detector resolution	640×512			-
	Pixel size	12μm			
	Lens	35mm	45mm		
	FOV	12.5°×10° (±5%)	9.8°×7.8° (±5%)		
Visible light camera	Resolution	2560×1440			
	Lens	4.3mm~129mm			10mm~200mm
	FOV	63.7°×35.8°~2.3°×1.3°			42°×24.4°~2.2°×1.2°
	Zoom	Auto focus, manual focus			
	Minimum Illumination	0.01Lux	0.01Lux(Black and white)		0.01Lux
Laser rangefinder	Ranging distance	-	20m~3km (under the condition of visibility ≥15Km)	20m~8km (under the condition of visibility ≥15Km)	
	Ranging accuracy		≤2m		
	Ranging frequency		1~5 Hz		
Servo platform	Pan angle	360°×n (360° continuous rotation)			
	Tilt angle	-120° ~ +90° (positive upward)			-110° ~ +10° (positive upward)
	Angular position accuracy	≤0.2° (1σ)			≤1mrad
	Stabilization accuracy	≤0.05mrad (1σ)	≤0.1mrad (1σ)		≤20urad(1σ,1°/2Hz、2°/1Hz sinusoidal oscillation)
	Maximum angular velocity	60°/s	60°/s		10°/s
System parameters	Image tracking	Automatically track selected targets			
	Voltage	12V - 32VDC			20V - 32VDC
	Consumption	Stable Power Consumption: ≤30W (24VDCpower-up peak current ≤5A)			Stable Power Consumption: ≤60W (without load)
	Weight	≤1.3Kg	≤2.5Kg		≤2.5Kg (without load)
	Dimensions	140mm×152mm×188mm	155mm×165mm×211mm	≤185mm×170.5mm×273.5 mm	
Interface	Control interface	RS422/100 Mbit			RS422
	Video Interface	100 Mbit (HD-SDI optional)			100 Mbit
	Storage interface	≤128G Memory Card (Micro SD Card)			
	Picture format	jpg Format			
	Video format	avi Format			
Environmental adaptability	Working temperature	-20℃~ + 55℃ (-40℃ optional)			-40℃~ + 65℃
	Storage temperature	-40℃~ + 60℃			-50℃~ + 70℃