



INVENTRA
SURVEILLANCE SYSTEMS

TMH10 – Heavy Duty Tripod

Payload Capacity up to 150 kg with Rigid, Stable and V Design Architecture for

Long-Range Thermal Imaging Devices, Sensor Arrays and Surveillance Radars



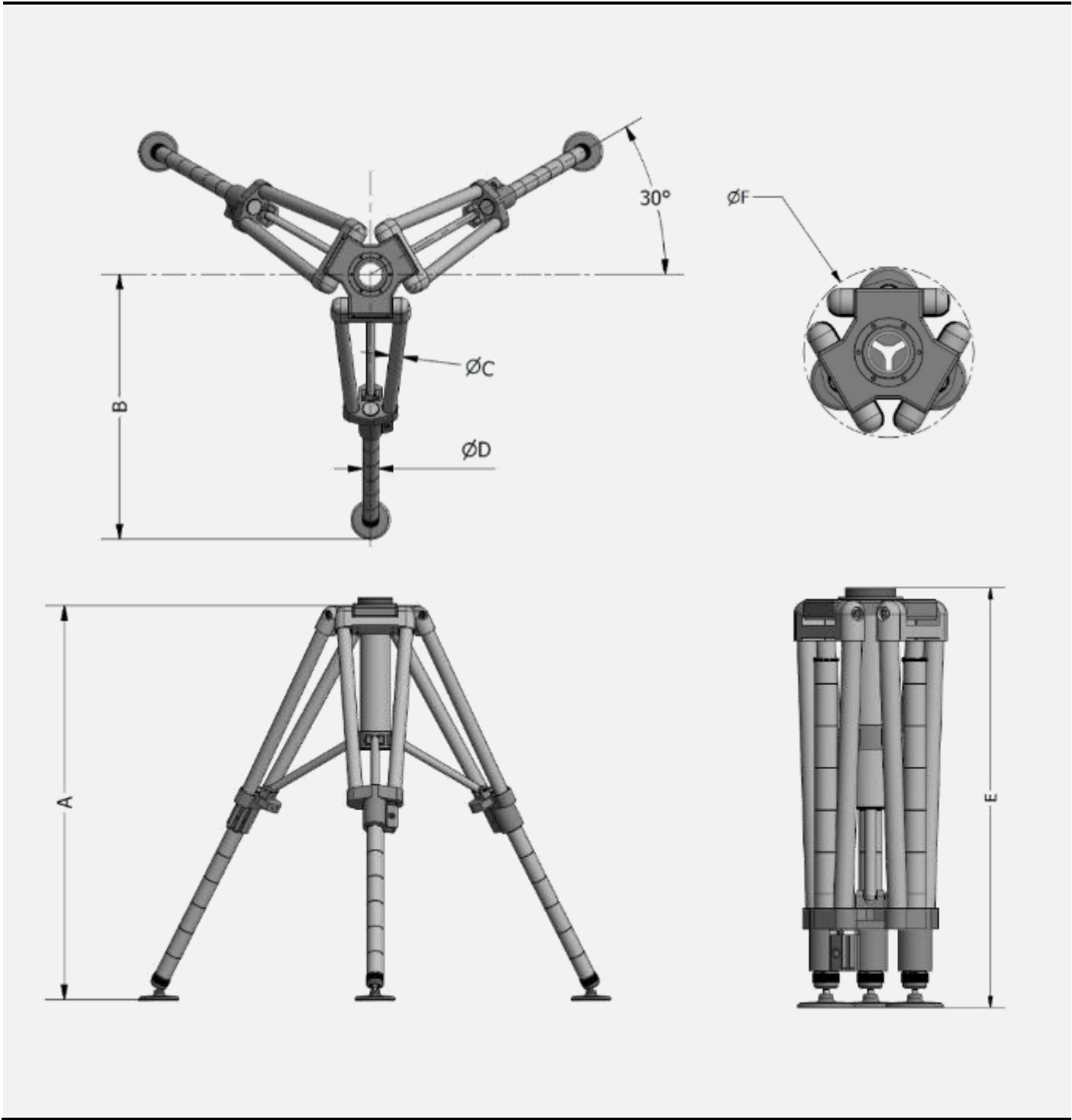
Main Features

- ❖ The TMH10 durable tripod is designed for heavy-duty applications, supporting payloads up to 150 kg with exceptional torsional stability.
- ❖ It features a wide working height range, independently adjustable telescopic leg lengths, and a rugged construction made of high-strength aluminum and corrosion-resistant steel.

Distinctive Features

- ❖ **Stable Payload Support with V Mechanical Design:** The TMH10 tripod unit stands out for its capability to support payloads with high stability, made possible by its unique V mechanical design architecture. This design enhances stability and reliability during various applications.
- ❖ **Low Twist and Deflection Performance:** Featuring a large center column structure, the tripod achieves low twist and deflection performance. This structural characteristic enhances its overall stability and precision, even when subjected to demanding conditions.
- ❖ **Versatile Foot Structure and Off-Center Payload Balancing:** The tripod's replaceable foot structure allows it to work effectively on various surfaces, enhancing its adaptability. Moreover, its large base diameter enables easy balancing of off-center payloads, ensuring stability during operations.

Configuration Breakdown	Tripod – <u>M</u> anual – <u>H</u> eavy Duty – Product Class (10) – Retracted Height (mm) – Extended Height (mm) – Rated Payload Capacity (kg) – Product Specific Codes
Part Number	TMH10-X-X (Check Available Options Below)
Available Customizations	Retracted/Extended Height, Payload Capacity, Mechanical Interfaces
Combinable Platforms	PEX – Electromechanical Positioners Family PMX – Manual Positioners Family



Parameters			TMH10-725-995-150	TMH10-1055-1250-150
PERFORMANCE PARAMETERS	Minimum Working Height	mm	640	895
	Extended Height (A)	mm	995	1250
	Extended Radius (B)	mm	685	900
	Tube Diameter - Top (C)	mm	34.5	34.5
	Tube Diameter - Bottom (D)	mm	40	40
	Retracted Height (E)	mm	725	1055
	Retracted Diameter (F)	mm	280	280
	Weight	kg	14.7	18.4
	Maximum Payload	kg	150	150
	Material	-	Aluminum 6061-T6 / Stainless Steel AISI 316	
ENVIRONMENTAL QUALIFICATIONS	Wind Load	km/h	80	80
	Temperature	°C	MIL-STD-810G, Method 502.5 Procedure II – Operational, -40°C MIL-STD-810G, Method 501.5 Procedure II – Operational, +80°C	
	Vibration	-	MIL-STD-810G, Method 514.6, 20-500Hz, 6dB/Octave Roll-Off	
	Humidity	-	MIL-STD-810G, Method 507.4, Aggravated Humidity - Temperature Cycle, 10 Cycle (24 Hours)	
	Rain	-	MIL-STD-810G, Method 506.5 Procedure I – Rain and Blowing Rain, 1.7 mm/h	
	Salt Fog	-	MIL-STD-810G, Method 509.5, 2 Cycles of 24 Hours Salt Fog And 24 Hours Desiccation	
	Dust and Sand	-	MIL-STD-810G, Method 510.5 Procedure I – Blowing Dusts MIL-STD-810G, Method 510.5 Procedure II – Blowing Sand	



Tripod Family

5. Supporting Equipment



Highlights

ACP20 – Portable Rack Cabins

- Climate Control with Air Conditioner
 - Cooling Capacity up to 1500W | Heating Capacity up to 1500W
 - Extensive Size Selection 8U to 18U
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