



INVENTRA
SURVEILLANCE SYSTEMS

TML10 – Ultra Lightweight Tripod

Lightweight, Stable and Rugged High-Performance Tripod for

Military Observation and Border Surveillance, Handheld Sensors with Manual or Motorized Pan/Tilt Heads



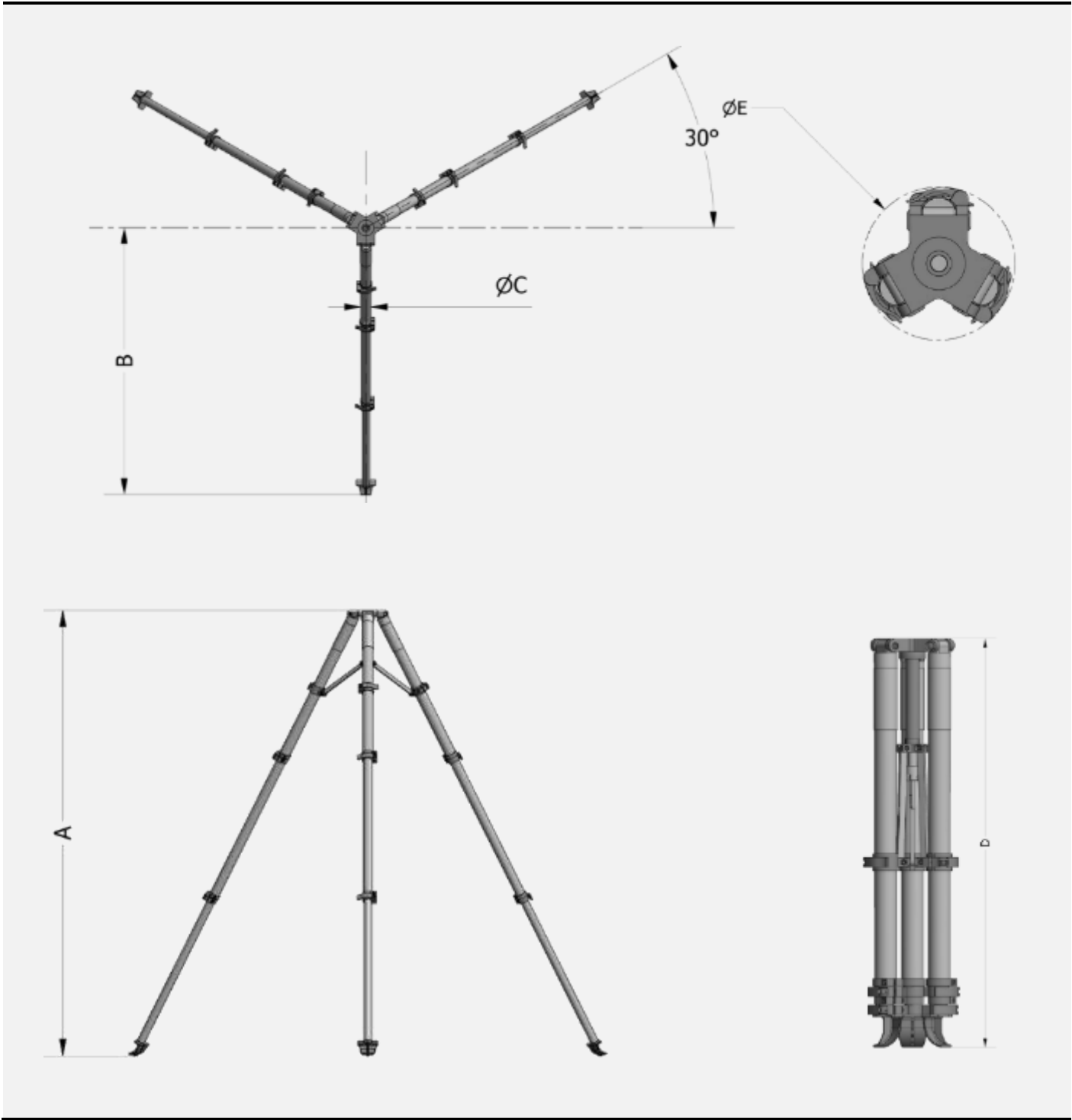
Main Features

- ❖ The TML10 is an ultra-lightweight, high-stability tripod engineered for rugged military applications.
- ❖ Constructed from aluminum, the TML10 features a durable general-purpose design with independently adjustable leg angles and lengths

Distinctive Features

- ❖ **Patented "Zero Clearance" Design:** The tripod features a patented "Zero Clearance" mechanical design, which enables its use in critical missions such as laser designator or long range thermal imagers.
- ❖ **Three Operational Heights:** Available in compact, medium, or high configurations, supporting prone, sitting, or standing positions.
- ❖ **One-Motion Lock Mechanism:** Secure all leg sections with a single action. Designed for fast, efficient setup in the field.
- ❖ **Adjustable Leg Angles & Telescopic Leg Lengths:** Independently configurable to adapt to any terrain.
- ❖ **Interchangeable Feet:** Interchangeable Clawfoot, Spikefoot, Ballfoot, and Flatfoot options.
- ❖ **Ground Anchor and Pinning Capability:** Equipped with ground anchor points for enhanced stability.

Configuration Breakdown	Tripod – <u>M</u> anual – <u>L</u> ight Duty – Product Class (10) – Retracted Height (mm) – Extended Height (mm) – Rated Payload Capacity (kg) – Product Specific Codes
Part Number	TML10-X-X (Check Available Options Below)
Available Customizations	Retracted/Extended Height, Payload Capacity, Mechanical Interfaces
Combinable Platforms	PED08



Parameters			TML10-600-1450-25	TML10-585-975-35
PERFORMANCE PARAMETERS	Minimum Working Height	mm	150	140
	Extended Height (A)	mm	1450	975
	Extended Radius (B)	mm	600	420
	Tube Diameter - Top (C)	mm	34	34
	Retracted Height (D)	mm	600	585
	Retracted Diameter (E)	mm	150	150
	Weight	kg	2.50	1.95
	Maximum Payload	kg	25	35
	Material	-	Aluminum 6061-T6	
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	



TML10 - Ultra Lightweight Tripod at IDEF International Defense Industry Fair