



INVENTRA
SURVEILLANCE SYSTEMS

MMT10 – Ultra Portable Tripod/Mast System

Single Mast, Unlimited Configurations

Tactical and Commercial Communications, Video Surveillance and Wireless Data Configurations



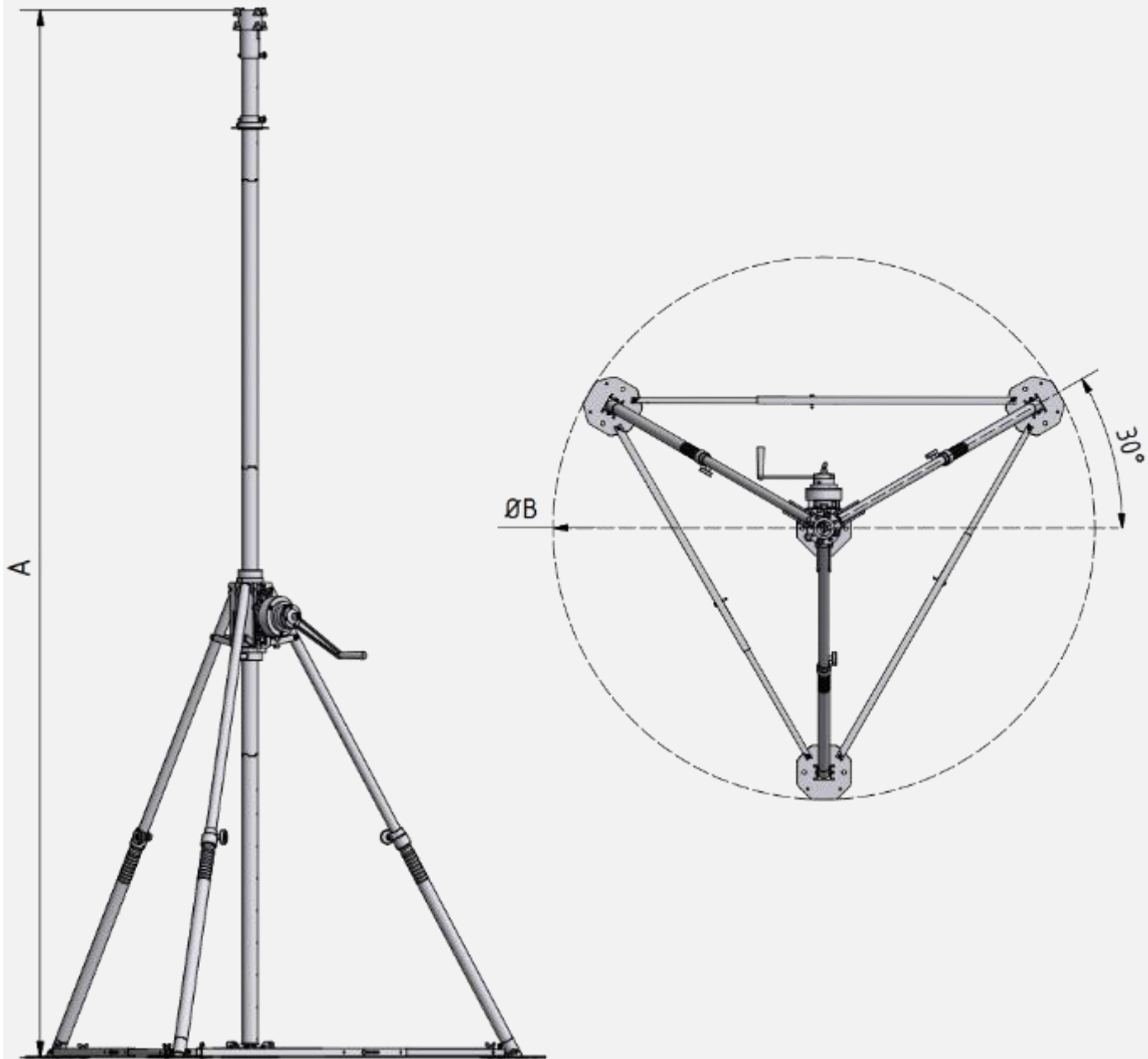
Main Features

- ❖ The MMT10 is an ultra-portable mast system designed for diverse tactical and commercial applications.
- ❖ The system is constructed with aerospace grade aluminum alloy and features a patented tripod design, ensuring stability and ease of deployment by a single operator.

Distinctive Features

- ❖ **Adaptable Height Expansion:** The MMT10 mast units offer a unique height expansion feature by adding nodes through the crane arm on the tripod's main body. This innovative design allows the mast to transition from a compact nested length to an impressive 15-meter open position
- ❖ **Effortless Single-Person Installation:** Designed as a multi-purpose portable mast, the MMT10 is engineered for quick and easy installation by a single person.
- ❖ **Patented Tripod and Cam Lock System:** Ensures stable setup and easy adjustment, with color-coded guy rings for directional accuracy.

Configuration Breakdown	Mast – Manual – Tripod Type – Product Class (10) – Retracted Height (mm) – Extended Height (mm) – Rated Payload Capacity (kg) – Product Specific Codes
Part Number	MMT10-1110-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		MMT10-1110-2000-60	MMT10-1110-3000-50	MMT10-1110-4000-45	MMT10-1110-5000-40	
PERFORMANCE PARAMETERS	Retracted Height	mm	1110			
	Extended Height	mm	2000	3000	4000	5000
	Rated Payload Capacity	kg	60	50	45	40
	Weight (Mast & Tripod)	kg	15	16.5	17.5	19
	Number of Sections	-	2	3	4	5
	Wind Load	km/h	120 km/h @0.5m²			
Parameters		MMT10-1110-6000-35	MMT10-1110-7000-30	MMT10-1110-8000-28	MMT10-1110-9000-26	
PERFORMANCE PARAMETERS	Retracted Height	mm	1110			
	Extended Height	mm	6000	7000	8000	9000
	Rated Payload Capacity	kg	35	30	28	26
	Weight (Mast & Tripod)	kg	21	23	25	27
	Number of Sections	-	6	7	8	9
	Wind Load	km/h	120 km/h @0.3m²			
Parameters		MMT10-1110-10000-24	MMT10-1110-11000-20	MMT10-1110-12000-16	MMT10-1110-13000-14	
PERFORMANCE PARAMETERS	Retracted Height	mm	1110			
	Extended Height	mm	10000	11000	12000	13000
	Rated Payload Capacity	kg	24	20	16	14
	Weight (Mast & Tripod)	kg	30	32	34	36
	Number of Sections	-	10	11	12	13
	Wind Load	km/h	120 km/h @0.2m²			
Parameters		MMT10-1110-14000-12	MMT10-1110-15000-10			
PERFORMANCE PARAMETERS	Retracted Height	mm	1110			
	Extended Height	mm	14000	15000		
	Rated Payload Capacity	kg	12	10		
	Weight (Mast & Tripod)	kg	40	42		
	Number of Sections	-	14	15		
	Wind Load	km/h	120 km/h @0.1m²			

Parameters		MMT10-1110-XX-XX	
COMMON FEATURES	Reverse Drive	- Available with Self-Locking	
	Actuating Mechanism	- Manual Push or Cable Driven	
	External Paint	- RAL 9005 MATTE Black Electrostatic Powder Coating	
	Base Diameter	mm 1900	
	Deployment Time	min 5-30min Between (Depends on Number of Sections)	
	IP Rating	- IP65	
	Material	Main Body: Aluminum 6XXX Series	
		Connection Part: Stainless Steel	
		Fasteners: Stainless Steel	
	Guy Kits	unit	8 Straight Stake
4-16 Flat Stake			
4-16 Guying rope			
Accessories	-	Wheeled Carry Bag	
		Accessory Bag	
		Antenna Mounting Adapter	
ENVIRONMENTAL QUALIFICATIONS	Temperature	°C	MIL-STD-810G, Method 502.5 Procedure II – Operational, -32°C
			MIL-STD-810G, Method 501.5 Procedure II – Operational, +60°C
			MIL-STD-810G, Method 501.5 Procedure I – Storage; +70°C
			MIL-STD-810G, Method 502.5 Procedure I – Storage; -40°C
	Vibration	-	MIL-STD-810G, Method 514.6 Procedure I Category 20, Figure 514.6C-3
	Shock	-	MIL-STD-810G, Method 516.6 Procedure I – Functional Shock; 20g 11ms
	Rain	-	MIL-STD-810G, Method 506.5 Procedure I – Rain and Blowing Rain, 1.7 mm/h
	Humidity	-	MIL-STD-810G, Method 507.5 Procedure I; 90% Noncondensing
	Dust and Sand	-	MIL-STD-810G, Method 510.5 Procedure I – Blowing Dusts
			MIL-STD-810G, Method 510.5 Procedure II – Blowing Sand



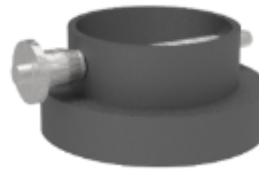
MMT10-1110 Temperature Operational and Storage Test

PART NUMBER	FIGURE
Tripod with Removable Winch 10.5 kg PN: INV-MMT-01	
Winch Handle 0.25 kg PN: INV-MMT-02	
Base Support Beam - 1400 mm 1 kg PN: INV-MMT-03	 
Base Pole - 910 mm 1.3 kg PN: INV-MMT-04	
Center Pole – 910 mm 1.3 kg PN: INV-MMT-05	
Mounting Pole - 450 mm 0.5 kg PN: INV-MMT-06	
Antenna Mounting Adapter 0.9 kg PN: INV-MMT-07	

Primary Guy Ring

0.2 kg

PN: INV-MMT-08

**Base Lift Plate**

0.8 kg

PN: INV-MMT-09

**Steel Stake – 380 mm**

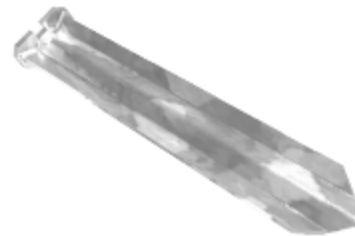
0.45 kg

PN: INV-MMT-10

**Galvanized Guying Stakes**

0.4 kg

PN: INV-MMT-11

**Stake Extractor**

0.35 kg

PN: INV-MMT-12

**Hammer**

1.25 kg

PN: INV-MMT-13

**Wheeled Carry Bag**

10.4 kg

PN: INV-MMT-14

**Pole Bag**

0.7 kg

PN: INV-MMT-15

**Guying Ropes (Set)**

3.6 kg

PN: INV-MMT-16



Accessory Bag

0.4 kg

PN: INV-MMT-17



Stake Kit

5.6 kg

PN: INV-MMT-18



8 X Steel Stake – 380 mm (INV-MMT-10)

1 X Stake Extractor (INV-MMT-12)

1 X Hammer – 1.25 kg (INV-MMT-13)

1 X Accessory Bag (INV-MMT-17)

Cable Driven Winch

2 kg

PN: INV-MMT-19





Multiple (3X) MMT10 – Ultra Portable Tripod/Mast System at IDEF International Defense Industry Fair



❖ MMT10 – Ultra Portable Tripod/Mast System with ASELSAN BUKALEMUN