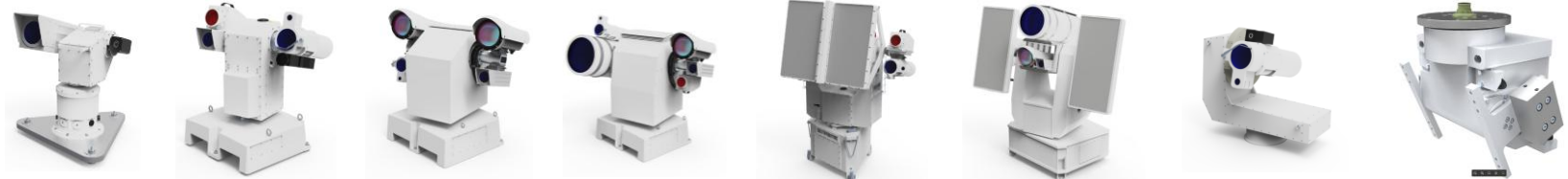


Universal Sensor Platform Series

Reference: Standard Series

MODEL USP-TDH20 USP-TDH40 USP-TDH80 USP-TDH120 USP-UDH200 USP-UDH350 USP-LDH20 USP-TDO20

Specifications*



Description		Compact T-shaped pan/tilt head for various applications.	T-shaped pan/tilt head suitable for medium size payloads.	High-end T-shaped pan/tilt head suitable for large payloads.	High-end T-shaped pan/tilt head suitable for large payloads.	High-end U-shaped heavy-duty pan/tilt head suitable for multiple payloads on both sides and the centre of the mount	High-end U-shaped heavy-duty pan/tilt head suitable for multiple payloads on both sides and the centre of the mount	High-end L-shaped pan/tilt head. The L-shaped structure allows to place an optical device in the axis intersection.	High-end overhead mounted pan/tilt head. The overhead mounting option allows to mount it in an overhanging position.
Structural Shape		T-shape				U-shape		L-shape	T-shape
Type of Mounting		Head up							Overhead
Nominal Load		20kg (2x10kg)	40kg (2x20kg)	80kg (2x40kg)	120kg (2x60kg)	200kg (75kg,50kg,75kg)	350kg (150kg,100kg,150kg)	20kg	10kg
Position Range	Pan Axis	≥±180deg							
	Tilt Axis	≥±90deg							
Position Accuracy [†]	All Axis	≤± 8 arcsec RSS or ≤± 24 arcsec PP (high accuracy version: ≤± 2 arcsec RSS or ≤± 6 arcsec PP)							
Rate Range	All Axis	≥±180deg/s							
Acceleration	All Axis	≥±120deg/s ²							
Orthogonality [†]		≤± 2 arcsec RSS or ≤± 6 arcsec PP							
Wobble [†]	All Axis	≤± 2 arcsec RSS or ≤± 6 arcsec PP							
Interface		Advanced Control System (ACS)							
User Software		Drico Motion Studio (DMS) or Drico Device Interface (DDI), LabView Driver (optional)							
Options		- Object targeting functionality (geo-location), - gyro stabilization (LOS stabilization), - GNSS module integration, - stow locks, - slippers for unlimited rotation, - stand (tripod, flat base etc.), - transportation box. - mechanical brake. - MIL-standard certification							

*All given specifications are maximum values

†These specifications are measured without payload in a laboratory environment