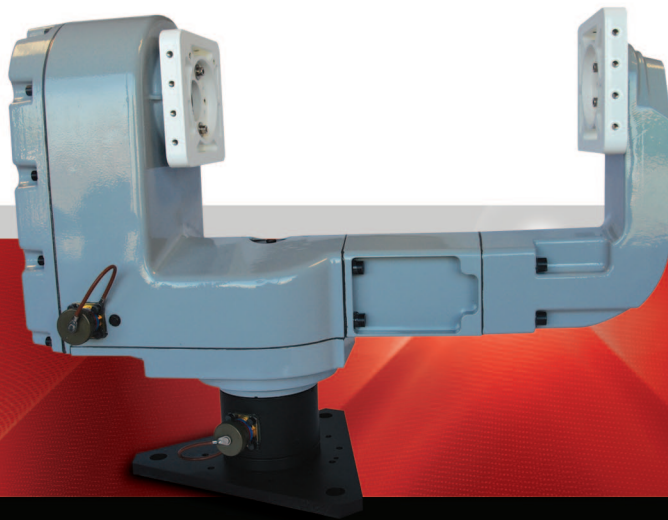




OBZERV



ARGC-750 Motorized Pan & Tilt

THE ARGC-750 PAN & TILT is a compact and high-performance remote controlled pan & tilt head, developed and manufactured by Instro Precision Ltd. The ARGC-750 pan & tilts 'U' configuration benefits from the addition of a support arm increasing the unit's payload capacity up to 30 kg to provide portable, rugged and accurate accommodation. It is custom-made for the ARGC-750 system with fittings and vibration-free hardware, that will suit your application's high standards.

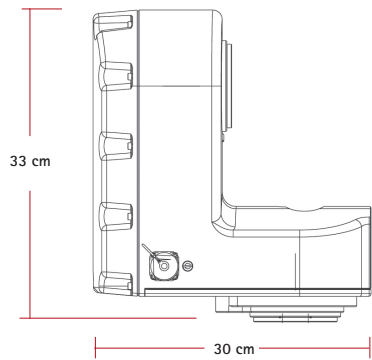
Support arm spacers are available to further increase the unit's versatility when required. These pan & tilt units can be installed on a tripod or a mast for a permanent installation. Factory tests validate the specifications accuracy for each unit through extensive test protocols before being shipped.

KEY BENEFITS

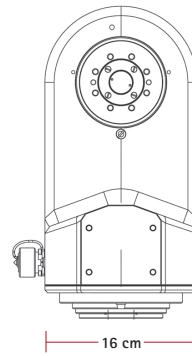
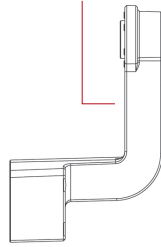
- Payloads up to 30 kg
- Fully environmentally-sealed
- Two independent drive units
- Slip ring for continuous rotation
- Designed to comply with MIL-STD-810E
- RS-232/422/485 option
- Rugged design
- Compact

OBZERV CUSTOMS

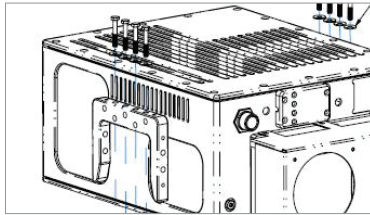
- **Custom-made umbilical cables:** one umbilical between the camera and the pan & tilt adjusted as short as possible and consequently allowing the camera to move without restraint a second long umbilical cable to connect to the master control unit.
- An **Obzerv validation protocol** is performed in our factory, testing speed and pan & tilt limits.
- Obzerv provides **integrated software**, to control both the camera and the pan & tilt.
- An **optional joystick** to controls the camera and the pan & tilt.
- A **proprietary-design spacer** is added in the pan & tilt structure to perfectly fit the ARGC-750 in the arm.



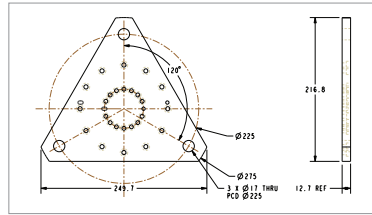
OPTIONAL SUPPORT ARM



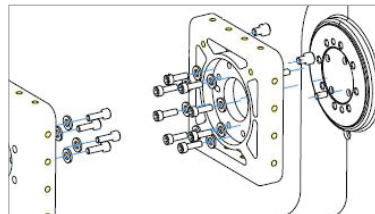
CUSTOM-MADE FOR OBZERV PRODUCTS



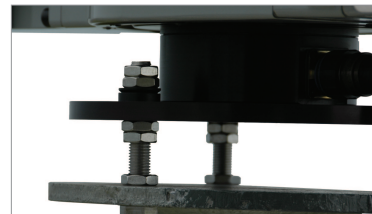
Brackets are installed on the ARG-750 to fit the head unit on the Pan & Tilt.



Interface plate to fit on a mast in permanent installations: install your own mast with a plate matching the Obzerv template.



Left and right hubs are installed on the Pan & Tilt and are equipped with stoppers to prevent the camera from tilting too far.



A lock-nut system designed to be vibration-proof with an adapter plate are provided to allow a permanent installation of the Pan & Tilt.

WASP 'U' CONFIGURATION - KEY SPECIFICATIONS

DESCRIPTION	TOLERANCE
WEIGHT	16 kg
PAYLOAD CAPACITY	30 kg
MEAN VELOCITY	Between 0.0056°/s and 60°/s in both azimuth and elevation
ACCURACY	0.056° (1 σ) in both axis
REPEATABILITY	0.056° (1 σ) in both axis
ELEVATION RANGE	+/-25°
AZIMUTH RANGE CONTINUOUS	360°
OPERATING VOLTAGE - LIMIT	20-32 Vdc
OPERATING TEMPERATURE	-25°C to +71°C

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