Designed to be incorporated in SURVEY Copter UAS, T120 is a 2 axis gyro stabilised gimbal.

The T120 gimbal is fitted with one day and one infrared channel. Thanks to its sensors quality, combined to the outstanding performances of the stabilisation algorithms, T120 is the particularly well adapted gimbals to perform long distance observation missions.

Thanks to its ergonomics and it light weight, T120 can be easily installed in a UAV in a vertical or horizontal position. T120 is compatible with all the fix and rotary wings UAV produced by SURVEY Copter: DVF 2000, TRACKER 120, Copter 4, Copter City, Copter 4 City...
Daylight camera
Sensor type
  Colour CCD-TV progressive scan
Lens
  Zoom 12x optical ; F/1.6
  Horizontal field of view: 55° to 4.6° (2.4° with digital zoom)

Thermal camera
Sensor type
  Uncooled thermal imager, resolution 640x512
Lens
  f=35mm ; F/1.5
  Horizontal field of view: 17.5° (8.8° with digital zoom)

Gimbals performances
Azimuth course
  360° continuous
Elevation course
  -105° to +20°
Stability
  100 to 150 urad

Interfaces
Video
  Analog NTSC/PAL composite
  CCIR
Control
  RS 232 serial link

Environnement
Temperature
  -15°C to +50°C operational

Power supply
Voltage
  12 V DC
Consumption
  5 W typical / 30 W peak

Dimensions & weight
Height
  205 mm (8.1”)
Diameter
  108 mm (4.3”)
Weight
  1.050 kg (2.3 lbs)

Options
Other fields of view available