RUCAP UM-5 Tracker

PLAY THE REALITY

RUCAP UM-5 tracker includes:

1. Antenna RU (radar unit) is installed on the monitor and connected through USB cable
2. Wireless emitter CAP is worn on the head

Tracker RUCAP UM-5 in real time and with high precision detects user's head position and angle of view relative to the monitor. **UM-5 is an easy-to-use wireless joystick**, that allows to manipulate mouse cursor without hands and control view in compuer games. You can choose the most suitable personal settings with the help of emulation modes: computer mouse, joystick or keyboard emulation.

RUCAP UM-5 supports 5 degrees of freedom: all types of movement and head rotations left-right (yaw) and up-down (pitch). These are all types of view control that are used in computer games that's why RUCAP UM-5 tracker gives You complete freedom of control in computer games.

Tracker RUCAP UM-5 operating principle

Antenna RU sends initial signal through IR channel. Wireless emitter CAP receives it and replies with ultrasonic signal. UM-5 program analyses arrival time of the impulse and calculates on its base the coordinates of player's head position and orientation relative to the screen.

Information about Your movement is processed real-time into concrete commands for the game or computer program which runs RUCAP UM-5 profile at the moment.

Tracker RUCAP UM-5 for gamers

When playing computer games actively it might occur that You are short in hands and You might play a lot better. It means that tracker RUCAP UM-5 is for You! Easy and intuitive control helps you forget about changing the direction of view, increase Your awareness of the game area and the movement of your enemies or team mates. RUCAP UM-5 advantages are most evident in flight simulators, races and also in shooters with separate view control like in Armed Assault 2.

Tracker RUCAP UM-5 for people with restricted hand movement

Tracker RUCAP UM-5 is a hands-free fully-featured substitute for mouse that switches computer control from hands to head.

RUCAP UM-5 service program has all necessary adjustments for convenient use of tracker: You will be able to set speed of cursor movement, sensitivity, parameters of click and scrolling in your internet browser and text programs.

With RUCAP UM-5 tracker it is easy to use any software on computer that supports basic mouse control.

RUCAP company specialises on the development of tracking systems, position sensors, special visualization systems for 3D content.

RUCAP UM-5 Tracker
Your breakthrough into virtual reality

✓ Full control with 5 degrees of freedom!

✓ Easy adjustment with mouse, keyboard or joystick emulation.

✓ Manage the direction of view in computer games by simply turning Your head, free Your hands for actions and shooting!

✓ Explore new amazing feelings in Your favourite games!

✓ Work with any software programs on Your computer!

✓ 100% safe technology: ultrasound intensity is tens times lower than maximum allowable norm.

RUCAP UM5 Tracker Characteristics:

Measurement of absolute coordinates
Unique precision - 1 mm

Operating zone. Distance from center:
   - in depth 0.3m – 1.6m
   - left, right, up, down – 0.5м

Wide range of view - 60°

Frecuency of position recalculation 160 fps to support tracking of fast movement

Antenna RU (radar unit):
  - Power supply through USB cable
  - Power consumption does not exceed 5 W
  - Fastening with elastic corde on monitors:
  - 17'-19' with screen width 365-435 mm
  - 19'-21' with screen width 415-485 mm

Wireless emitter CAP:
  - Power supply through AAA type battery or accumulator
  - Indication of low battery
  - 12 hours operation on one charge
  - net weight 50 g

Software:
  - Windows XP, Vista, 7 compatible driver
  - RUCAP UM-5 Tracker service program

RUCAP UM-5 Tracker Service Program

The program provides easy and convenient operation of tracker with different games andsoftware applications:
For each game and "head mouse" mode is created separate profile with different settings. You can create Your own profiles or use basic ones that are downloaded through service program update (Tools-> Check for update). Currently more than 90 profiles of different games are avaliable. Profile Export/Import helps to exchange Your profiles with friends.
Choice of optimal emulation type: mouse, keyboard or joystick. Individual calibration for each profile, extended set of adjustments for each of the five axes:
  * sensitivity
  * curves
  * dead zones
  * head movement filtering
  * inversion
All Your moves are automatically repeated by head model and indicated by 5 progress bars in the service program main window.

Installation guide to RUCAP UM-5 tracker:

1. Install the software from the disk or download it from www.rucap.ru

2. Put the antenna RU on your monitor and attach the elastic cord

3. Connect the antenna RU to USB-port of Your computer and turn it on

4. Wear the wireless emitter CAP on Your head and turn it on