

# ITEM OPPORTUNITY SYNOPSIS

**Name of the item to be scouted:** Behavioral System comparable to Zantiks MWP

**State item to be used in:** Ohio

## **Describe the Item:**

**Please describe the item application/the end use of item.** Behavioral System similar to the Zantiks MWP Behavioral System with an overall unit size of 190mm width x 230mm length x 480mm height and is fully integrated with software similar to Zantiks proprietary software, computer, camera, overhead lights, audio/sound output, temperature control and monitoring, vibration plate, light stand. The behavioral system should operate on free open-source code and have the ability to measure distance travelled (mm), mean pixel change, Zone use, Time spent in zone (sec), Distance travelled in zone (mm), Number of entries into zone, XY coordinate data, XYZ coordinate data, Heatmaps, Track trace drawing, Realtime & timelapse video, Image capture, Video labelling. Control of all measures and functions are with millisecond accuracy. For example of specs of desired system see <https://zantiks.com/products/zantiks-mwp>

## **Supplier Information:**

**Type of Supplier being sought (select from list below)**

**Manufacturer**

**Contract Manufacturer**

**Distributor**

**Other (please specify)**

**Reason for scouting submission (select from list below)**

**2<sup>nd</sup> Supplier**

**Price**

**Re-Shore**

**Past supplier no longer available**

**New Product Startup**

**Other (please specify)**

## **Summary of Technical Specifications and Performance Requirements:**

**Describe the manufacturing processes (elaborate to provide as much detail as possible).** This system is a single station system that contains a camera, computer, and software programs that allow for behavioral analysis of small aquatic and terrestrial model organisms. The unit is manufactured from high-grade metal. For example of specs of desired system see <https://zantiks.com/products/zantiks-mwp>

**Provide dimensions / size / tolerances / performance specifications of the item.** 190mm width x 230mm length x 480mm height and is fully integrated with software similar to Zantiks proprietary software, computer, camera, overhead lights, audio/sound output, temperature control and monitoring, vibration plate, light stand. The behavioral system should operate on free open-source code and have the ability to measure distance travelled (mm), mean pixel change, Zone use, Time spent in zone (sec), Distance travelled in zone (mm), Number of entries into zone, XY coordinate data, XYZ coordinate data, Heatmaps, Track trace drawing, Realtime & timelapse video, Image capture, Video labelling. Control of all measures and functions are with millisecond accuracy. For example of specs of desired system see <https://zantiks.com/products/zantiks-mwp>

**List required materials needed to make the product, including materials of product components, if applicable.** Camera, computer, stainless steel, software. For example of specs of desired system see <https://zantiks.com/products/zantiks-mwp>

**Are there applicable certification requirements?**

Yes

No

Please Explain:

**Are there any applicable regulations that apply to the production of this item?**

Yes

No

Please Explain:

**Are there any other standards, requirements?**

Yes

No

Please Explain:

**Additional Comments:**

Additional technical comments:

**Volume and Pricing:**

**Estimated Potential Business Volume (i.e. #Units per day, month, year):** 1 unit total

**Estimated Target Price / Unit Cost Information:** \$12,675

**Delivery Requirements:**

**When is it needed by? (Immediate, 30 days, 6 months, etc)** 1 month

**Describe packaging requirements (i.e., individually/ group packaging).** Individually wrapped

**Where will this item be shipped?** Ecosystem Services Branch, Great Lakes Toxicology and Ecology Division, Center for Computational Toxicology and Exposure Cincinnati, Ohio

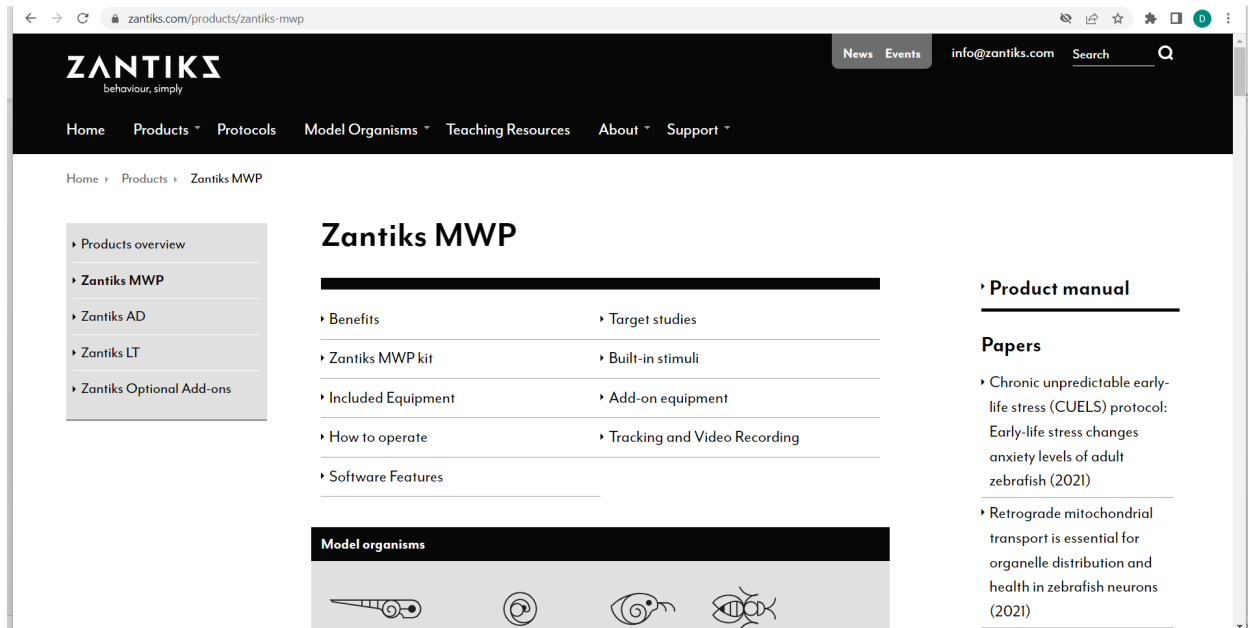
## Salient Characteristics- Zantiks LTD MWP Behavioral System

**Brand Name:** Zantiks MWP

**Brand Name Website:**

[www.zantiks.com](http://www.zantiks.com)

<https://zantiks.com/products/zantiks-mwp>



These specs cover the Zantiks MWP system. There are other behavioral systems available, but this unit provides specific needs (i.e., ability to track organisms with xyz coordinates, maze tests, avoidance tests, stimuli add-ons, open source coding) at a price aligned with funding. All other units on market exceed current funding levels (\$13K) by nearly 2x the expense.

The Zantiks MWP Behavioral System with shipping, computer, and software is \$12,675.