

Asia Pacific Smart Animal Trap Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - Component (Hardware, Software, and Services), Hardware (Sensors, Cameras, and Others), and Application (Residential and Commercial)

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AVAILABLE LICENSES:

- Single User Price \$3000.00
- Site Price \$4000.00
- Enterprise Price \$5000.00

Report description:

The APAC smart animal trap market is expected to grow from US\$ 80.28 million in 2022 to US\$ 124.61 million by 2028; it is estimated to grow at a CAGR of 7.6% from 2022 to 2028.

Local hunters typically set traps and visit these sites every morning to see if they have captured any dangerous animals. However, with age, it becomes difficult for them to perform these physically demanding tasks every day. This constraint on manual operations has drawn traction toward the use of the Internet of Things (IoT) to reduce human interference in animal trapping. Many IT firms and startups focused on the IoT are developing remote monitoring systems for wildlife damage countermeasure for wildlife trapping and wildlife surveillance. Sensors in these systems can recognize the capture of dangerous animals, followed by alerting remote administrators via GPS and Low Power Wide Area (LPWA) communication. The state of all the traps in a particular region can be plotted and shown on a map, and registered e-mail addresses can be notified of the trapping status. The technique is more effective since the technology enables hunters to travel straight to the capture sites of dangerous animals. The location and time of the capture can be traced by analyzing cloud data gathered with wildlife trap monitoring devices. To combat blind zones caused by poor connectivity and trouble accessing commercial power sources, among others, wireless relays and renewable energy-powered systems are being tested (e.g., solar power-based trap systems). Thus, the expansion of IoT and developments in power sources are likely to introduce new trends in the smart animal trap market. End user demand is higher in the commercial sector than it is in the residential sector, and other industries such as fishing and agriculture are predicted to benefit from commercial industrial innovation brought on by the development of IoT and other cutting-edge technologies. The primary objective of commercial players is that hunters should be able to go to traps as soon as an animal has been captured. By doing so, they will be able to drastically reduce the time until this processing activity is completed. Several monitoring strategies can be used to record actions, movements, and locations of animals. Ecologists working for commercial

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manufacturers frequently employ camera traps to take non-intrusive pictures of animals. Camera traps are particularly helpful since they allow for uniform data collecting while negligibly upsetting wildlife. Camera traps produce a significant amount of data that can be applied locally or worldwide. Usually, camera traps are left in the field for months, gathering a lot of pictures. However, camera trap data frequently falls short of its full potential because labeling and categorizing the collected images require expensive and time-consuming manual processes. Environmental occurrences such as wind, temperature shifts, or movement of the vegetation can also readily set off camera traps. With the use of camera trap photos, this sophisticated technology is able to quickly identify the species of the trapped animal. The technology accomplishes this by deploying deep learning methods right at the camera trap. The ecologists are then informed about the identified animal using a low-power network that is simple to set up in isolated areas where video traps are often placed. Every employee in the commercial sector is given a mobile app that displays the most recent animal sightings, along with the date, time, and species seen. With the proposed system, a commercial industrialist who currently must wait weeks or months for camera trap images to be obtained and then must manually identify the animals in the images will instantly and automatically receive the same information within a few seconds after the image is taken by the camera trap, requiring no human involvement. Owing to this, cutting-edge systems will not only lower total image capture and classification costs but also greatly speed up the development of new products or research on sophisticated trapping methods.

Vendors in the smart animal trap market can attract new customers and expand their footprints in emerging markets by offering products with new features and technologies. This factor is likely to drive the APAC smart animal trap market at a good CAGR during the forecast period.

APAC Smart Animal Trap Market Revenue and Forecast to 2028 (US\$ Million)

APAC Smart Animal Trap Market Segmentation

The APAC smart animal trap market is segmented on the basis of hardware, application, component, and country. Based on hardware, the market is segmented into sensors, cameras, and others. The cameras segment dominated the market in 2022, and the sensors segment is expected to register the highest CAGR during forecast period. By application, the market is bifurcated into residential and commercial. The commercial segment dominated the market in 2022 and is expected to register a higher CAGR during the forecast period. In terms of component, the APAC smart animal trap market is segmented into hardware, software, and services. The hardware segment dominated the market in 2022, and the software segment is expected to register the highest CAGR during the forecast period. From country point of reference, the APAC smart animal trap market is segmented into Australia, China, India, Japan, South Korea, and Rest of APAC.

Encounter Solutions Ltd., Econode Ltd., PestSense Pty Ltd Animal Trap Solutions, and Fallenmelder TRAPMASTER are among the leading companies operating in the APAC smart animal trap market.

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