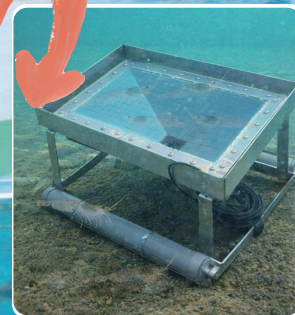
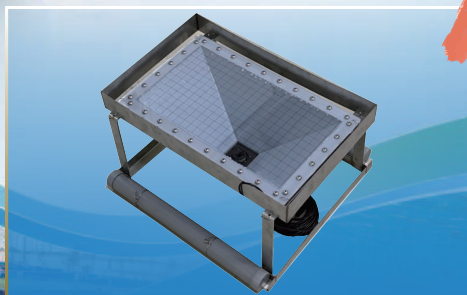
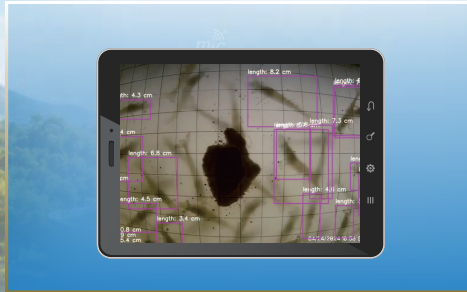
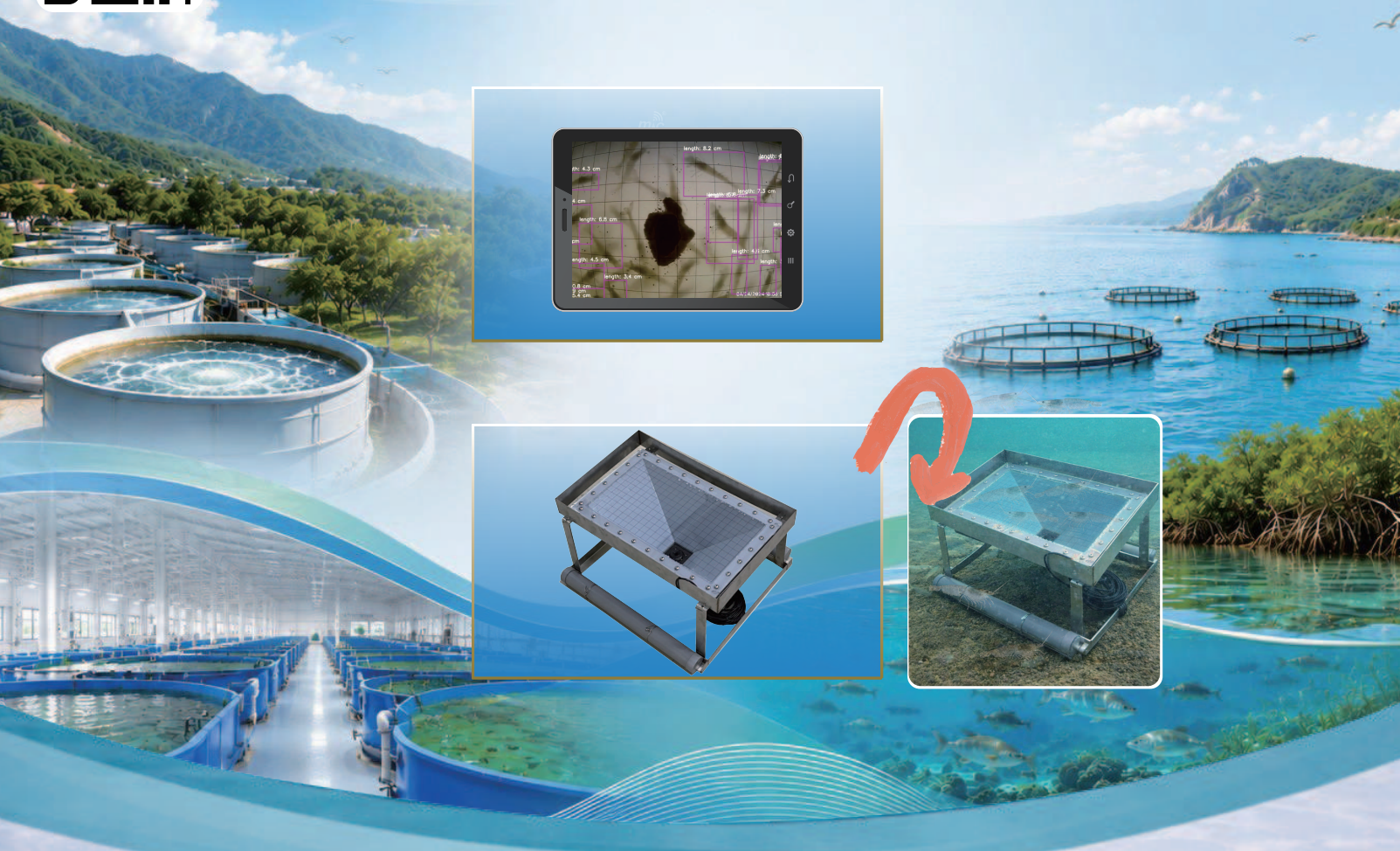
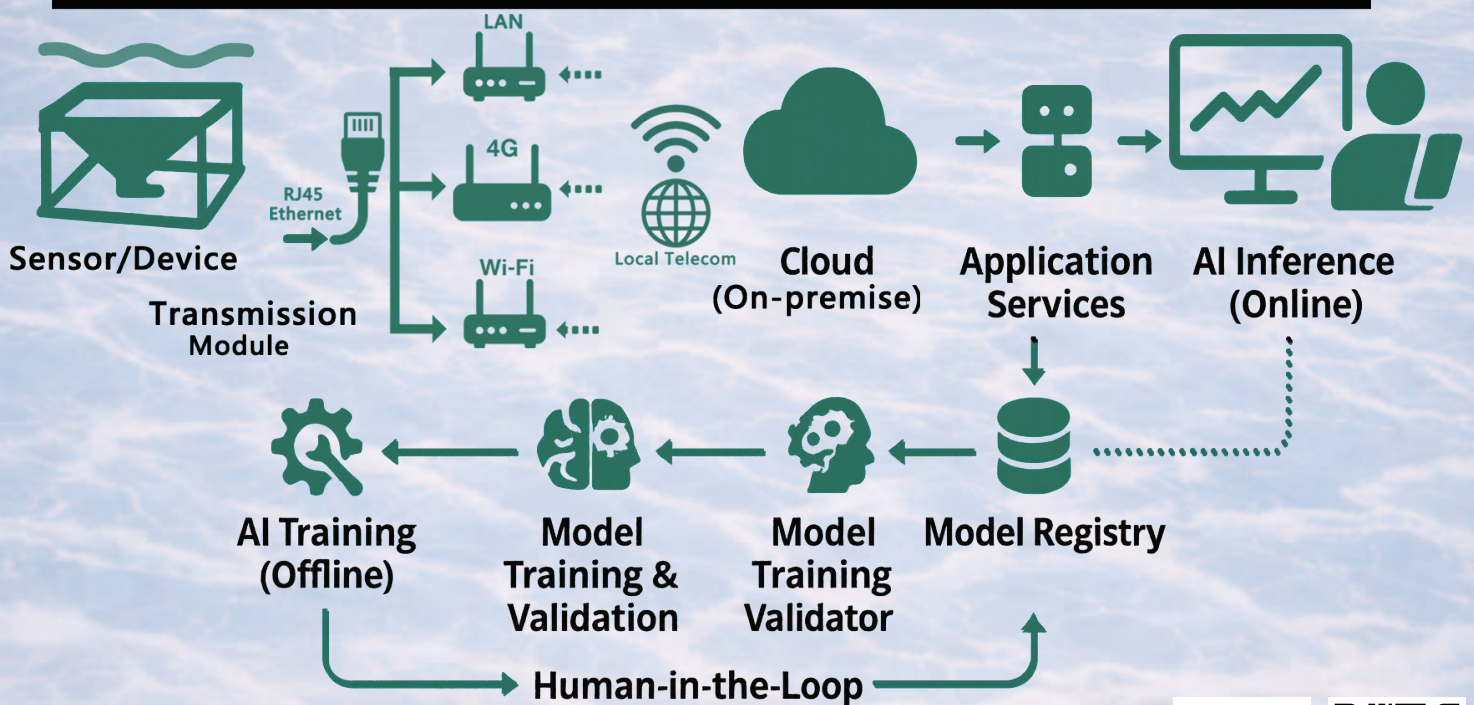




UNDERWATER IMAGING SYSTEM.



(AI Under Water Camera) System Architecture



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AI UNDERWATER IMAGING SYSTEM.



UWC114AI

PATENTED INNOVATION

Utilizing high-resolution underwater imaging technology combined with AI training and deep learning, the system accurately measures the length of shrimp, soft-shelled turtles, or fish, and precisely evaluates their health status and activity levels.

A high-definition camera is mounted at the bottom of the device, and the internal chamber is free from any interfering medium to ensure clear image interpretation.

The monitoring host connects to the network and power via a wired connection, allowing users to easily and clearly view real-time underwater biological activity on a smartphone or tablet.

Underwater Imaging Smart Aquaculture System Specifications

Model	UWC114AI
Application	Indoor / Outdoor / Underwater
Intelligent DVR	
Input (AHD/TVI/CVI)	4CH
Maximum IP Access	6CH (4+2)
Output(HDMI/VGA)	1920x1080/ 1280x1024/ 1024x768
Output (CVBS)	MAIN / SPOT
Compression Mode	H.265 High Profile
Display	1/4/9
Maximum IP Access Level	3MP / 1080P / 720P (Final Recording Quality automatically Adjusted by DVR)
Sync Playback	4CH
Recording Quality	Highest / High / Medium / Low / Lowest
Recording Mode	Normal/ Continuous/ Schedule/ Motion Detection/ Alarm recording
Playback Mode	Time & Event Search/ Specific Time Search
Multitasking System	Live View / Recording/ Playback/ Network/ Backup
Storage Device	SATA x1 (Single 10TB Drive)
Backup	USB 2.0 / Network Backup Function
Mobile Monitoring	Mobile Web Access (iPhone / iPad / Android)
Connection Mode	4G or Ethernet
Power Supply	AC 110–220V / DC 12V
Dimensions	300 (L) x 248.4(W) x 52.1(H)mm
Device Information	
Waterproof Rating	IP68
Cable Length	15 m
Material	Reinforced glass, anti-corrosion
Illumination	LED, low-light support
Weight	Approx. 14 kgs
Device Dimensions	560 (L) x 360 (W) x 310 (H) mm
Software	
AI Features	Size, activity, survival rate
AI Analysis	Species & behavior recognition