



HydroTerra

Environmental Monitoring Specialists



STA7

Elevating Security to New Heights

Harnessing over a decade of experience in challenging Australian and New Zealand conditions, the STA7 promises unmatched reliability and effectiveness with up to four modular NDAA approved 4K video cameras linked to an advanced edge processing platform all on one system. It sets a new standard for comprehensive surveillance, smart city and sensing solutions.

The system is the most versatile solution for customers with challenges on unpowered and unwired sites. The powerful STA7 camera and processing platform, combined with the Spectur STA-Power connects wirelessly via 4G to the internet to enable remote monitoring, autonomous or directed thinking and action.



Collect 4K time-lapse images



Leverage "smart cities" solutions



Link your remote sensors



Solve an expanding range of challenges

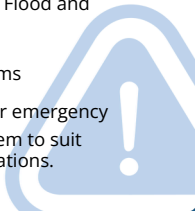
Safety and Surveillance

- Theft
- Illegal dumping
- Vandalism
- Anti-social behaviour deterrent



Emergency Warning

- Site emergencies Beach & shark warning Flood and
- fire early warning systems
- Any warning or emergency response system to suit remote applications.



Smart City Platforms

- For deployment of a range of smart city applications
- Parking, littering, people counting, number plate recognition
- Suitable for 3rd party applications via edge or cloud integrations



Data collection

- Site monitoring & surveillance for project management
- Timelapse
- Environmental data collection - e.g erosion monitoring



Contact Us:

HydroTerra offers a range of platforms to suit different site locations and applications. For further advice and assistance, please contact HydroTerra.

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When you need to monitor, sense, protect, timelapse or deploy smart city solutions at larger sites and perimeters, Spectur's STA7 is the ultimate choice to buy, lease or hire.



Featured Improvements



Integrated 4G module with two antenna output for 4G



Integrated dual flood light and speaker for spoken warnings and communication offering industry-leading deterrence



Up to 4 modular 4K 96 degree NDAA-approved cameras or your choice of cameras



Hardened and environmentally protected compute and comms enclosure



Hardened and integrated electronics, firmware updates and remote reset of all systems



Simplified, IP67 rated wiring harness and connectors ensuring reliability and ease of maintenance, upgrades and modularity

Specifications

Cameras	Up to 4 modular cameras with standard lowlight 4K video providing full 360 degree coverage
Camera type	Standard 4K 96 degree NDAA-approved cameras. Options for variable focus / zoom, NPR, thermal and other cameras. Designed for modularity and to suit an increasing range of 3rd party cameras. PTZ coming soon
Housing	Rugged design for continuous operations in harsh conditions. All cameras and external devices rated for IP67 or better
Deployment options include	Concreted into the ground, V2 Metal Mobile Base, concrete block or trailer mounted options as well as custom brackets for any location
Installation	Small footprint direct-in-ground, trailer or freestanding mobile base Two antenna outputs for
Connectivity	4G (antenna included in STA-Power platforms for improved reception)
Processor	Onboard, customisable and programmable Nvidia-based GPU platform(s)
Storage	Onboard and cloud (MS Azure) for security and instant and remote access
Integration	Suitable for integration with most VMS
User Interfaces	Native iOS and Android apps alongside web browser for desktop providing access to anyone from any location
Power Motion	Matched to STA-Power solar-battery solutions or can be provided with 240V power supply
Detection Range	25m (night time). >25m for daytime operations (standard cameras)
Field of Vision	Standard cameras have a 96° horizontal FOV, 52° vertical FOV, and 114° diagonal FOV. When four cameras are used, they create a 360-degree FOV with small overlap