

Tuu Server

The Tuu Server is a rugged, IP68, compact professional CCTV solution which has been proven to deter crime, secure prosecutions through video evidence and provide surveillance in a highly cost-effective manner, unmatched by traditional CCTV systems which incur large infrastructure, human and maintenance costs.

Flexible to your requirements, the Tuu Server is straight-forward to install in virtually any location, and can be rapidly repositioned to respond to changing demands. Unlike other systems which utilise multiple cameras to generate wide angle views, the single fisheye lens significantly reduces the number of cameras required to monitor a large area, without blind spots. Video footage is saved to on-board edge storage and can be monitored and downloaded in HD quality via a wired connection.

Tuu units operate from a single Power over Ethernet (PoE) cable and can function on a standalone basis, as part of a broader video network or as part of a Tuu Network. The Tuu Server has a dedicated VMS .



Typical applications:

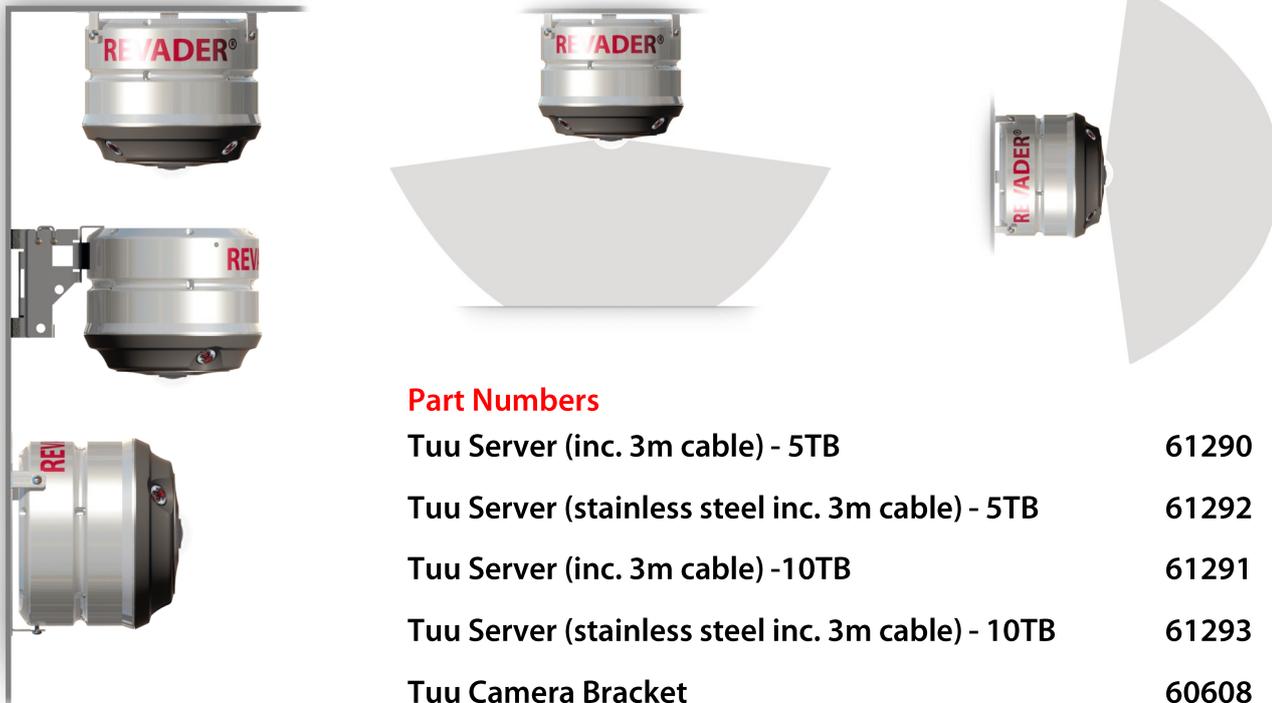
- ▶ Slaughterhouses/ abattoirs
- ▶ Clean rooms, laboratories
- ▶ Biohazard isolation units
- ▶ Cargo and loading bays
- ▶ Industrial process areas and farms,
- ▶ Cargo ships, marinas, yachts and ferries
- ▶ Open spaces - e.g. parks, car parks
- ▶ Mines, furnace rooms
- ▶ Scene of crime recording
- ▶ Exposure to extreme weather
- ▶ Military installations & forward operating bases

Benefits include:

- ▶ Rapid installation & redeployment to meet changing security demands
- ▶ Rugged construction: impervious to water, vibration, shock, biohazards, temperature, dust and impact
- ▶ Easily integrates into existing CCTV systems
- ▶ Can act as server for other IP cameras to deliver a cost effective CCTV system
- ▶ Integral IR for day and night operation
- ▶ Rapid demount for deep cleaning
- ▶ Operates in marine conditions
- ▶ Functions submerged in up to 1.5m water
- ▶ Use in any environment from desert to tundra
- ▶ Stainless steel version also available

Technical Specification

Mechanical		Security	
Chassis	Aluminum Alloy (or stainless steel)	Encryption	Up to 4096 bit encryption
Surface	2-pack polyurethane paint—light/dark grey	Password profile	Multi protection levels
Connectivity	Water and dust resistant IP68 quick release connector	Cameras/Displays	Accessible on a per-user basis
Dimensions	Diameter: 158mm, Height: 143mm	Configuration Files	Save and restore capability for any server
Fixing Dimensions	Wall mount: 2 x 6mm holes @ 25.5mm pitch. Ceiling mount: 3 x 5mm holes equi-spaced on a 158mm diameter PCD	Diagnostics	Remote, secure diagnostics are available
Weight	4kg	Remote Administration	Remote control via TCP/IP network including restart and reboot
Durability	Vandal-resistant IP68	Automatic System Restart	After power loss, system auto-resumes
Working Environment	Working temperature -30°C to 60°C	Recording System	
Electrical		Video Resolution	Multiple choice up to 4000 x 3072 (12MP)
Input Power	PoE IEEE 802.3 at (42.5V—57V)	Operating System	Embedded Linux platform
Input protection	Short circuit & overcurrent protection	Still Image	JPEG/BMP/PNG
Typical Power	10W Day 19W Night (IR On)	Record types	Continuous, schedule, motion, alarm, event and digital input trigger
Power Supply rating	30W PoE injector	Overwrite modes	Configurable auto deletion and overwrite function, by time or drive allocation
Camera & Lens		Detection Languages	Motion, video loss
Camera Type	Ruggedised 360° 12MP IP camera	Time zone	Regional settings, NTP
Lens Type	Fixed 360° hemispherical	Compression	H.264
Image Resolution	4000 x 3072 @ 20fps	Data/frame rate	32Kbps - 16Mbps 1fps - 25fps
Min. Illumination	0.04 Lux @ F2.4, AGC ON (Colour) 0.01 Lux @ F1.2, AGC ON (IR ON / B/W)	Min video format	512 x 512
Pan / Tilt / Zoom	ePTZ	Max video format	4000 x 3072
Image Enhancement	3D DNR, Digital WDR	Systems Modules	
Day and Night	Removable IR-cut filter for day & night Intelligent IR range of 15 metres	Map	Multi-level maps showing camera alarms etc.
Connectivity		Find	Fast search/find algorithm
Connector	Water and dust resistant IP68 circular connector or	Storage	
Supported Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnp RTP/RTSP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, ARP	Hard Disk	1 or 2 x 2.5" Form Factor Platter as standard Solid State Drive - any capacity option



Part Numbers

Tuu Server (inc. 3m cable) - 5TB	61290
Tuu Server (stainless steel inc. 3m cable) - 5TB	61292
Tuu Server (inc. 3m cable) -10TB	61291
Tuu Server (stainless steel inc. 3m cable) - 10TB	61293
Tuu Camera Bracket	60608
Tuu Wall/Pole Bracket	60609
Tuu Ceiling Mount	61021
Tuu 12m Cable	60989