

Tuu Server (IP68)

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	
Chassis	Aluminum Alloy or Stainless Steel)
Surface	2-pack polyurethane paint—light/dark grey
Connectivity	Water and dust resistant IP68 quick release connector
Dimensions	Diameter: 158mm, Height: 143mm
Fixing Dimensions	Wall mount: 2 x 6mm holes @ 25.5mm pitch. Ceiling mount: 3 x 5mm holes equi-spaced on a 158mm diameter PCD
Weight	4kg
Durability	Vandal-resistant IP68

Electrical	
Input Power	PoE IEEE 802.3 at (42.5V—57V)
Input protection	Short circuit & overcurrent protection
Typical Power	10W Day 19W Night (IR On)
Power Supply rating	30W PoE injector

Camera & Lens	
Camera Type	Ruggedised 360° 12MP IP camera
Lens Type	Fixed 360° hemispherical
Image Resolution	4000 x 3072 @ 20fps
Image Sensor	1/1.7" Progressive Scan CMOS
Min. Illumination	0.04 Lux @ F2.4, AGC ON (Colour) 0.01 Lux @ F1.2, AGC ON (IR ON / B/W)
Pan / Tilt / Zoom	ePTZ
Image Enhancement	3D DNR, Digital WDR
Day and Night	IR-cut filter with auto switch Intelligent IR range of 15 metres

Connectivity	
Connector	Water and dust resistant IP68 circular connect- or
Supported Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnp RTP/RTSP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, ARP

Security	
Encryption	Up to 4096 bit encryption
Password profile	Multi protection levels
Cameras/Displays	Accessible on a per-user basis
Configuration Files	Save and restore capability for any server
Diagnostics	Remote, secure diagnostics are available
Remote Administration	Remote control via TCP/IP network including restart and reboot
Automatic System Restart	After power loss, system auto-resumes

Recording System	
Video Resolution	Multiple choice up to 4000 x 3072 (12MP)
Operating System	Embedded Linux platform
Still Image	JPEG/BMP/PNG
Record types	Continuous, schedule, motion, alarm, event and digital input trigger
Overwrite modes	Configurable auto deletion and overwrite function, by time or drive allocation
Detection Languages	Motion, video loss English and over 10 other supported international languages
Time zone	Regional settings, NTP
Compression	H.264
Data/frame rate	32Kbps - 16Mbps 1fps - 25fps
Min video format	512 x 512
Max video format	4000 x 3072

Systems Modules	
Map	Multi-level maps showing camera alarms etc.
Find	Fast search/find algorithm

Storage	
Hard Disk	1 or 2 x 2.5" Form Factor

Supplied with 3m Cable & Fixing Brackets.



Item	Part Numbers
Tuu Server - 2TB	61290
Tuu Server (Stainless Steel 316) - 2TB	61292
Tuu Server – 4TB	61291
Tuu Server (Stainless Steel 316) - 4TB	61293
Tuu Camera Bracket	60608
Tuu Wall/Pole Bracket	60609
Tuu Ceiling Mount	61021
Tuu 12m Cable	60989
Tuu Product & Network Overview	61008

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