

# Tuu 360 Camera



The unique Tuu 360 Camera is a powerful IP68-rated surveillance camera suitable for use in a wide range of environments.

Machined from solid aluminium with IK10 windows, the cameras are designed to operate in all dry and wet conditions (even while immersed in water), and are impervious to vibration, shock, high and low temperatures, biohazards, biological cleaning agents, dust and flying debris.

Tuu re-deployable cameras operate from power-over-Ethernet (PoE) and can be added to most existing CCTV systems or configured to function in a standalone Tuu network, providing selective access to reduce bandwidth saturation.

Quick-fit IP68 connectors provide a sealing when cameras are removed and submersed for cleaning.

All Tuu cameras are supplied with quick-release stainless steel brackets for ceiling, wall or pole mount.

## 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
- ▶ HD video
- ▶ 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

<b>Chassis</b>	Aluminum Alloy (stainless steel version also available)
<b>Surface</b>	2-pack polyurethane paint—light/dark grey
<b>Connectivity</b>	Water and dust resistant IP68, circular connectors
<b>Dimensions</b>	97mm x 158mm Diameter
<b>Fixing Dimensions</b>	Wall mount 2 x 6mm holes—Ceiling Mount 3 x 6mm holes@ 120 Degrees
<b>Weight</b>	1.38 kgs
<b>Durability</b>	Vandal-resistant, IK10 dome.

## Electrical

<b>Power</b>	PoE (802.3af) Max. 15W
<b>Working Environment</b>	Working Temperature: -30°C to 60°C
<b>Protection Level</b>	TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection

## Camera & Lens

<b>Camera Type</b>	Ruggedised PTZ
<b>Min. Illumination</b>	0.01 Lux @ (F1.2, AGC ON), 0.04 Lux @ (F2.4, AGC ON), 0 Lux with IR
<b>Lens</b>	1.98mm @F2.4, angle of view: 360° Fisheye
<b>Resolution</b>	4000 x 3072 @20fps
<b>Image Enhancement</b>	3D DNR. Digital WDR
<b>Coverage</b>	360°
<b>IR Range</b>	15 metres

## Network Connectivity

<b>Type</b>	Dual stream (variable bitrates to suit connectivity)* Gigabit Ethernet**
<b>Video Compression</b>	H.264/MJPEG
<b>Supported Protocols</b>	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI

## Features

(These features are dependant on NVR type)	Line crossing detection, Intrusion detection, Motion detection Dynamic analysis, Tampering alarm, Network disconnect IP address conflict, Storage exception.
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## Part Numbers

Tuu 360 Camera (inc. 3m cable)	61260
Tuu 360 Camera (stainless steel inc. 3m cable)	61265
Tuu Camera Bracket	60608
Tuu Wall/Pole Bracket	60609
Tuu Ceiling Mount	61021
Tuu 12m Cable	60989
Tuu Network (info only)	61001
Tuu mini Network (info only)	61002