

APEX ENCLOSURES

Request for Quotation: 75" Outdoor TV Enclosure

US Manufacturing Partner Inquiry

Product Overview

Premium weatherproof enclosure for protecting commercial-grade TVs in outdoor environments. Designed for US residential and commercial markets including poolside installations, outdoor kitchens, patios, and hospitality venues.

Key Specifications

| | |
|---------------------|--|
| External Dimensions | 1760 × 1120 × 160mm (69.3" × 44.1" × 6.3") |
| Primary Material | 5052-H32 Aluminum (marine grade) |
| Sheet Thickness | 2.0mm body panels / 3.0mm structural components |
| Finish | Powder coat to AAMA 2604 (1000hr salt spray min) |
| IP Rating | IP55 (jet resistant, hose-cleanable) |
| Thermal System | Forced-air cooling, 3x PWM fans, 165-195 CFM |
| Front Panel | 6mm laminated safety glass (3+3), anti-reflective optional |
| Access | Bottom service door with compression latches |

Manufacturing Scope

- CNC sheet metal fabrication (laser cut, press brake, welding)
- Powder coating to AAMA 2604 specification
- EPDM gasket installation for IP55 sealing
- Assembly of thermal management system (fans, filters, controller)
- Glass panel installation with continuous channel retention
- Quality inspection per supplied acceptance criteria

Note: We supply complete fabrication drawings (DXF/STEP), BOM with all component specifications, assembly instructions, and quality acceptance criteria. Electronics (fans, controller, sensors) can be supplier-sourced or we can provide.

Initial Order

| | |
|----------------------------|--------------------------------------|
| Prototype Quantity | 1-2 units for evaluation |
| Production Volume (Year 1) | 50-200 units |
| Color | Matte black (RAL 9005) for prototype |

Information Requested

1. Confirmation you can manufacture aluminum enclosures to IP55 specification
2. Powder coating capability (in-house or subcontracted?)
3. Prototype pricing and lead time
4. Volume pricing tiers (50/100/200+ units)
5. Willingness to sign NDA before receiving full technical package

Why US Manufacturing: We see the US as our largest growth market and are committed to building a long-term presence with domestic production. We're looking for a manufacturing partner who shares our quality standards and can grow with us as we scale.

Contact:

Richard Foulkes
Apex Enclosures
Email: apexenclosures@icloud.com
WhatsApp: +971 50 559 8675

Confidential – January 2026