

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, 3× 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.

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