

Infinium® Auracast™ Transmitter & Outdoor Enclosure

BA T1W

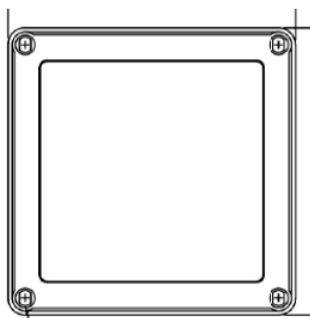
QUICK START GUIDE



The Infinium® T1 Transmitter with Outdoor Enclosure extends Auracast™ broadcast audio into outdoor and weather-exposed environments. The package includes an Infinium T1 transmitter, an IP66-rated enclosure, and the components needed for installation, making it easy to deploy audio services in outdoor spaces.

This guide provides the essential steps to install and mount the BA T1W outdoor enclosure and BA T1 Infinium Auracast™ transmitter. For full setup details, features, and warranty information, refer to the Infinium Quick Start Guide (MAN 298) or Infinium Manual (MAN 297) on the Williams AV website: <https://williamsav.com/documentation/>

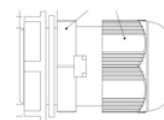
Package Contents



Outdoor Enclosure
with included
plastic screws



BA T1 Transmitter



Cable Gland



6" DIN Rail



(2) 1/4"-20x
1/2" screws



(8) #6 x 3/8
screws



(2) #6
washers



(4) #6 x 1-1/2"
screws

Tools Required

- Flathead screwdriver
- Phillips head screwdriver
- Hammer

Installation Instructions

1. If using the provided cable gland, prepare the cable entry hole:
 - **Starting near the base of the knockout to avoid cracking the enclosure**, use a flathead screwdriver and hammer to remove the PG 13.5 knockout.

Alternatively, create a 20 mm (13/16") hole using:

- 20 mm drill bit **or** 13/16" drill bit, hole saw, or step drill
- PG 13.5 **or** M20 knockout punches

2. If NOT using the provided cable gland, prepare for conduit entry:
 - Create an appropriately sized hole for the trade size conduit to maintain a weatherproof seal.

NOTE: Failure to maintain dust and water seals will void the IP66 rating.

3. Route and connect the CAT5e or higher cable through the trade size conduit and/or cable gland to the BA T1 transmitter.

NOTE: Field termination is required if using the provided cable gland.

4. Mount the DIN rail to the BA T1 transmitter.
 - Using a Phillips head screwdriver, insert the (2) 1/4–20 x 1/2" screws onto the DIN rail on the back of the BA T1 transmitter, as shown.



5. Secure the transmitter inside the enclosure.
 - Using a Phillips head screwdriver, insert the transmitter and DIN rail into the center of the box using the (2) small #6 x 3/8 screws and two #6 washers, as shown.



6. Mount the enclosure to the wall or ceiling. The enclosure lid is not attached yet.
 - Use the provided (4) #6 x 1-1/2" screws to flush mount to a wall or ceiling. The screws will fasten through the corner of the enclosure walls.

If installing the box to trade material (such as DIN rail, channel strut, or off the shelf brackets):

- Use the extra small #6 x 3/8" screws to attach the trade materials to the back of the box.

7. Fasten the enclosure lid.
 - Using a Phillips head screwdriver, fasten the lid of the enclosure using the (4) plastic screws provided.

Dimensions and Specifications

Enclosure

The BA T1W enclosure is rated IP66. Ensure all cable entries are properly sealed to maintain the dust and water ingress protection rating.

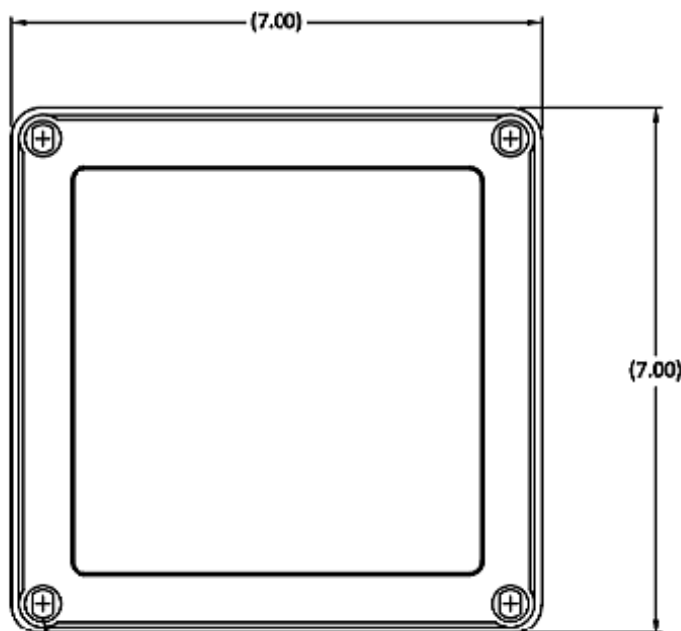


FRONT VIEW

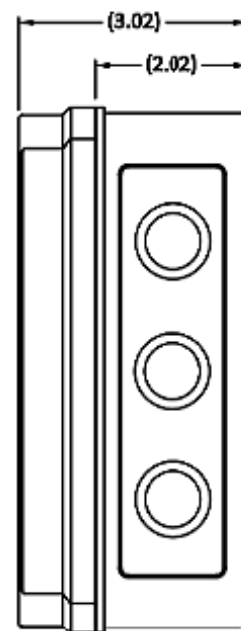
Specifications - Enclosure

Exterior Dimensions	7.00 in x 7.00 in x 3.02 in (178 mm x 178 mm x 77 mm)
Interior Dimensions	6.65 in x 6.65 in x 2.72 in (169 mm x 169 mm x 69 mm)
Standards	IEC 60529 (IP66), EN 60529 (IP66)
Approvals	UL Listed Types 4, 4x, 3, 3R, 12 & 13, CSA 4, 4x, 3, 3R, 12 & 13

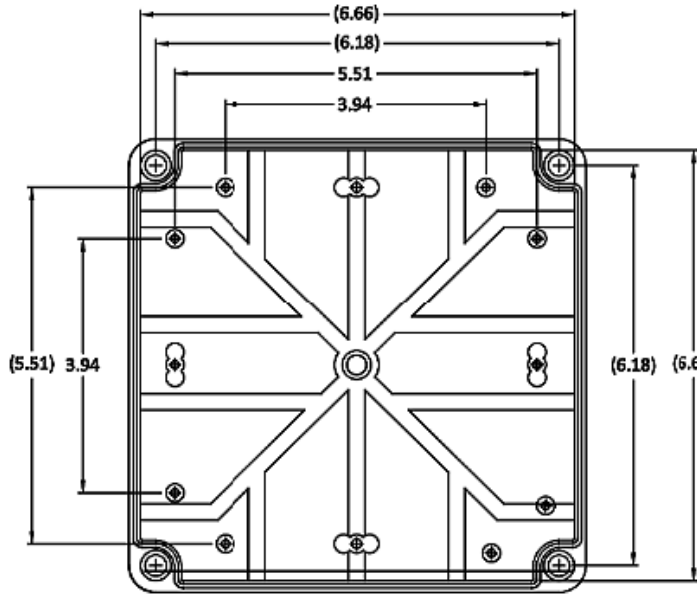
RIGHT VIEW



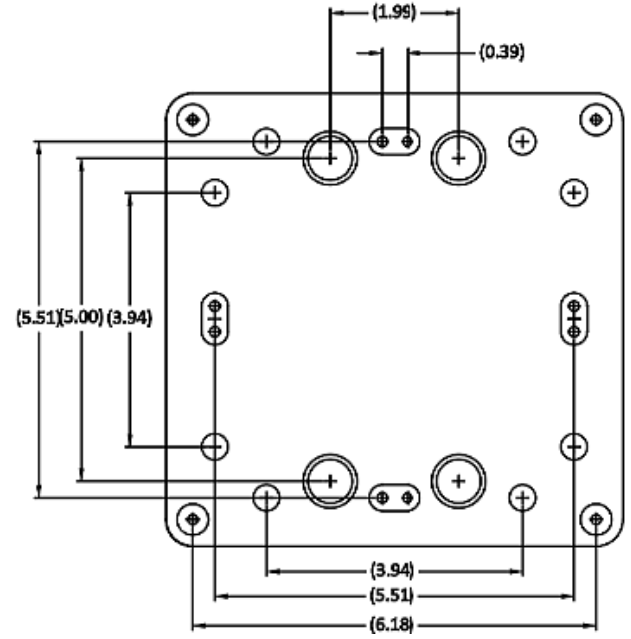
COVER SCREWS
VYNCKIER PART# VMCS-3
(TYP. 4 PLCS.)



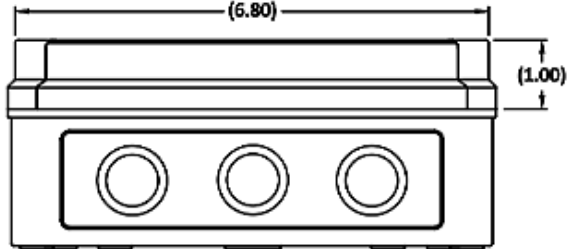
FRONT VIEW - COVER REMOVED



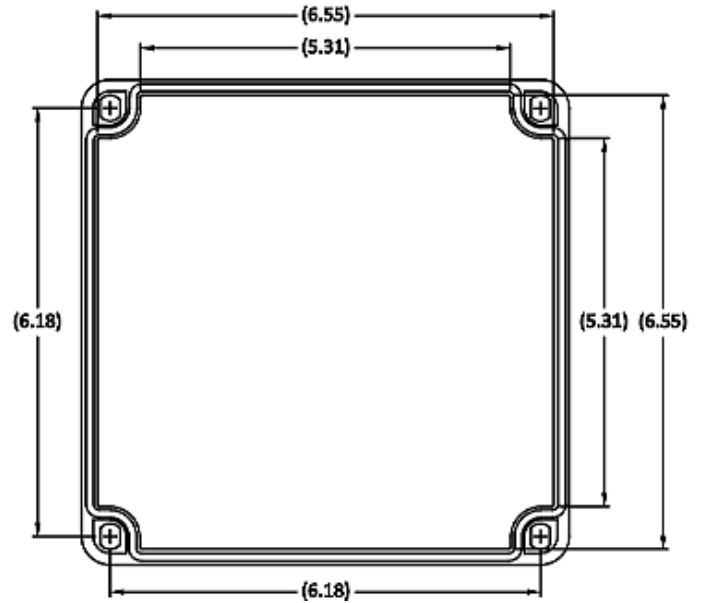
BACK SIDE VIEW



END VIEW
(6.80)

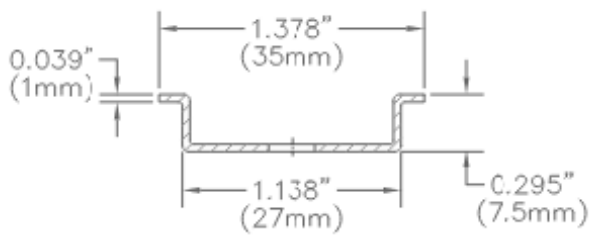
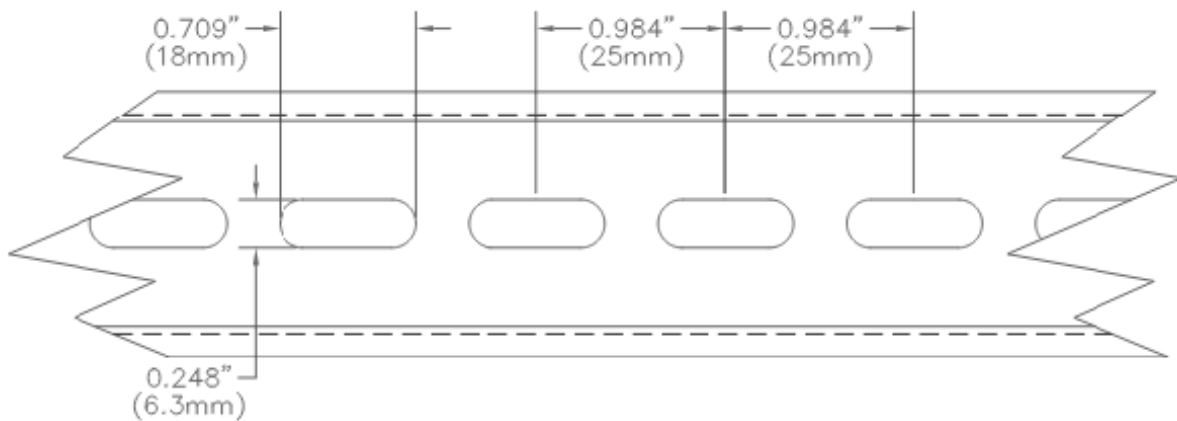


COVER
BOTTOM VIEW



DIN Rail**Specifications - DIN Rail**

Length	6.0 in / 152 mm
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FRONT SECTIONRIGHT SIDE VIEWBASE PERFORATION

Cable Gland



Specifications - Cable Gland

Installation depth	< 10 in
Weight	0.2 oz
Thread Size (M)	M20 x 1.5
Thread Length (L)	0.39 in / 10 mm
External Thread Diameter	0.8 in / 20.3 mm
Cable Clamping Diameter Range (D)	0.24–0.48 in (6–12 mm)
Hex Nut Diameter (SW1)	0.94 in (24 mm)
Hex Nut Diameter (SW2)	1.02 in (26 mm)

Device type	Pressure compensation element
Packaging unit	Individual piece
Protection type	IP66 / IP67
Material sealing	NBR
Material hood	Plastic, light grey
Filter mat	Waterproof membrane
Casing	Plastic, light grey
Air permeability	40 l/h
Operating temperature	-4 °F - 176 °F
Storage temperature	-4 °F - 176 °F
Cut-out dimensions	Ø0.8 in / 20 mm
Depth	0.4 in / 10 mm

