view®

View Net Quad Network Window Controller

The Quad Network Window Controller (QNWC) independently controls up to four Smart Window IGUs with IGU cables connected to four M8K connectors. It provides precise voltage signals to the dynamic glass units allowing each to change tint states independently. The QNWC connects to a COAX trunk cable via in and out BNC connectors, and a PoE port for ethernet devices.

Features

- Low voltage output on IGU ports
- All ports have LED status indicators
- OTA firmware upgrades
- Compact size
- BNC connectors for coaxial cable interface
- 1000Base-T PoE port (IX connector), IEEE 802.3af Class 2
- IP55-rated ingress protection

Applications

- Controls 1 - 4 IGUs independently
- Provides Ethernet connectivity for IoT devices

Installation

- The Quad Network Window Controller should be installed in an interior, accessible and climate-controlled location
- Estimated <2 minutes to install, including mounting and wiring hookup
- The Quad Network Window Controller can be mounted in an enclosed access panel or mounted in the open on a backing plate
- IGU cables connected to M8K connectors should not exceed 2" max bend radius during installation

Warranty

- The View Net Quad Network Window Controller carries a warranty for a period of 5 years. Refer to standard warranty terms and conditions for more details.

M8K 5-pin connectors (IGU Cables)

IX connector (PoE Cable)

BNC female connector (Trunk Cables)

Mounting holes for screws

Specifications

Power Requirements

Peak Input Power	49 W
Operating Voltage	36 - 56 V
Max Input Current	2000 mA
Typical Power	3.5W (Idle / non-tinting)
Typical Input Voltage	48 VDC
Typical Input Current	72 mA

Inputs / Outputs

Network	BNC female
IGU	M8K female, 5 pin
PoE	1000Base-T, IX connector jack

Physical Characteristics

Dimensions	1.19" X 3.51" X 8.52"
Weight	18.7 oz (558 g)

Environmental

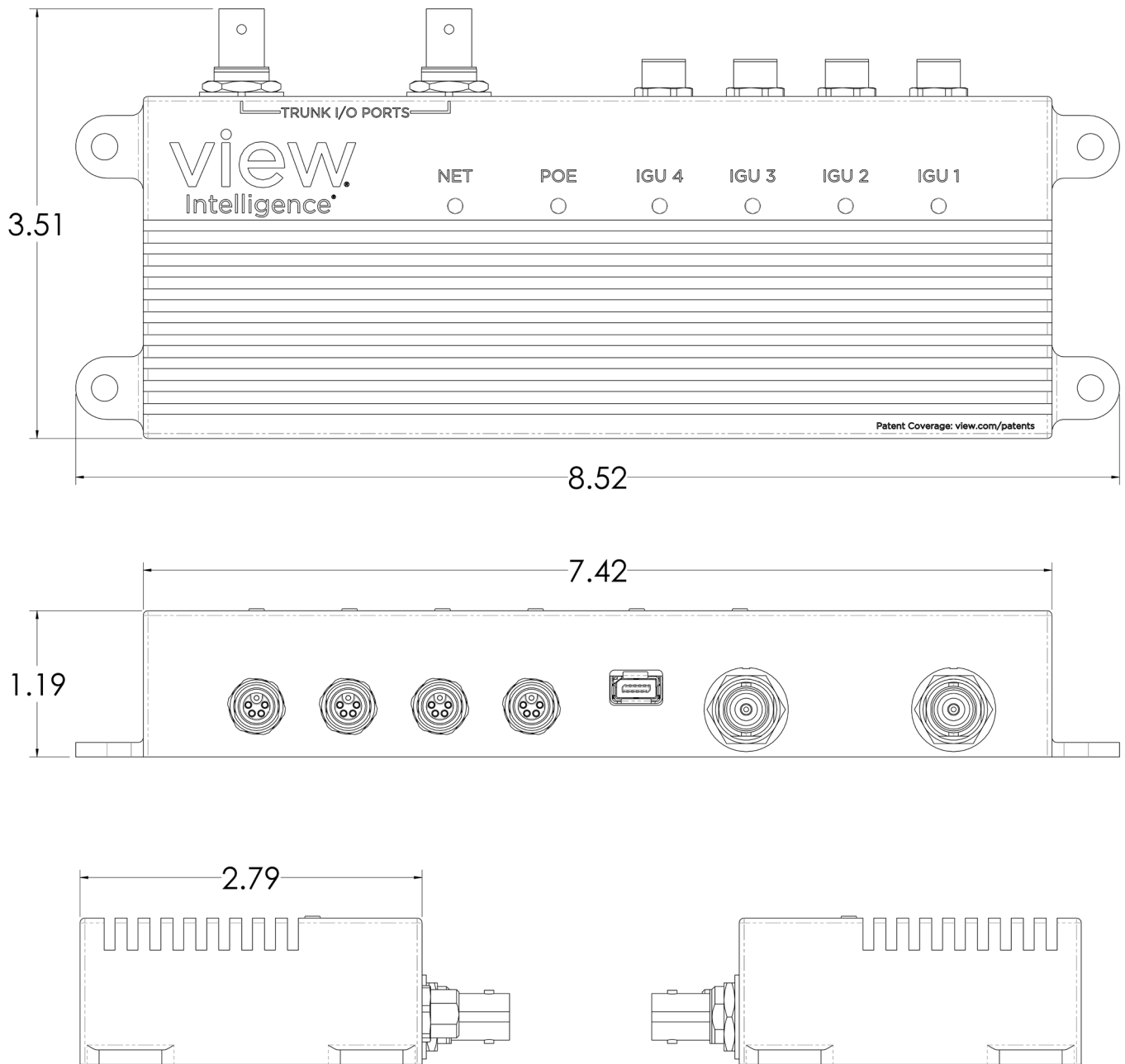|	
Operating Temperature	5°C to 40°C
Storage Temperature	-40°C to 65°C
Relative Humidity	0 to 90% non-condensing
Ingress Protection	IP55

Codes and Standards

FCC	Complies With FCC Part 15 Subpart B
NEC	Complies to Article 725.41 (A) Class 2

Ordering Information

With PoE	VN-NWC-C-E-4
Without PoE	VN-NWC-C-N-4 (No PoE)

Views and dimensions

TRUNK I/O PORTS

NET POE IGU 4 IGU 3 IGU 2 IGU 1

3.51

8.52

7.42

1.19

2.79

Patent Coverage: view.com/patents

Note: All dimensions are in inches.