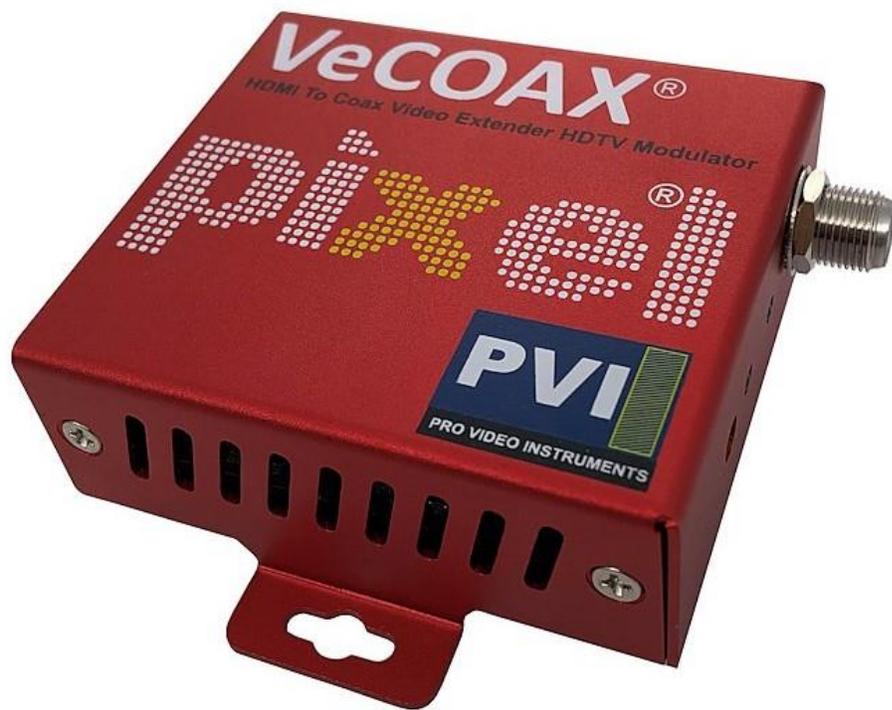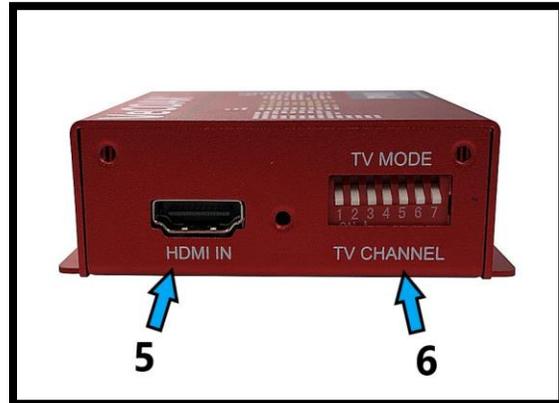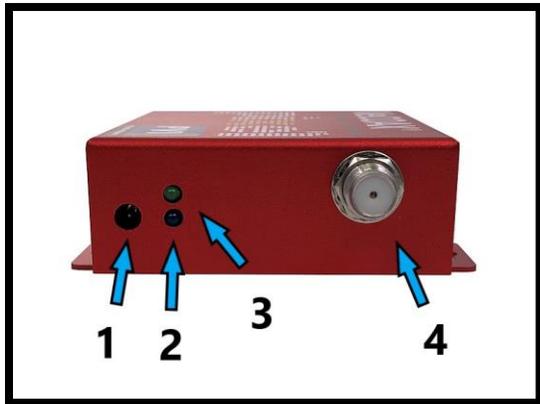VECOAX PIXEL 720P HDMI ATSC/QAM
RF MODULATOR MANUAL

DEVICE LAYOUT

1) Power Adapter Input (5V DC)	4) RF Coaxial Cable Output Connector
2) BLUE On-Air Indicator LED	5) HDMI Input
3) GREEN Power Indicator LED	6) Channel Selector Dipswitch

STATUS INDICATOR LIGHTS

GREEN POWER LED		BLUE ON-AIR LED	
SOLID	POWERED ON	SOLID	NO HDMI DETECTED – TEST PATTERN ONLY
OFF	NO POWER	BLINKING	BROADCASTING HDMI INPUT
		OFF	NOT BROADCASTING

QUICK SETUP GUIDE

It is recommended to test the device first on a test bench for your application before making it a permanent installation to your system so troubleshooting is easier.

1. **Set your Channel using the Selector Dipswitch. (See** CHANNEL LIST**.)**
2. **Connect your included Power adapter into the unit.   After a few seconds, the Power LED and On-Air LED will both be steady lit.**
3. **Connect a short piece of coax cable to your TV's RF In and the other end to the unit's RF Out.**
4. **Auto Scan for Channels on your TV(s). If prompted for signal type, select Antenna (ATSC) or Digital Cable (QAM).**
5. **Once the scan is complete, tune to the Channel found on your TV. You should see a PVI test pattern screen.**
6. **Connect your HDMI source cable. Once you have inserted a valid HDMI Video Signal into the HDMI port, the On-Air LED on the side will blink slowly.**
7. **After a few seconds, you should see the video playing on your selected Channel.**

If you need to change the channel on a unit you've already installed:

1. **Disconnect unit from power.**
2. **Set the new Channel using the Selector Dipswitch.**
3. **Power on the unit.**
4. **Run a new channel scan on your connected TV(s).**

INSTALLING MULTIPLE UNITS

- **Ensure each Modulator is on its own unique Channel.**
- **Test each Modulator individually with a Test TV before you combine into your cable distribution network.**

COMBINING WITH OTHER SOURCES

- **If combining with an OTA Antenna, before you select your channel, check online for your local over-the-air channel frequencies. Be sure to select a frequency that is not within 6 MHz of the active channels in your area.**
- **If combining with other modulators, be sure to select a channel frequency that is not within 6 MHz of the channels already in use by those modulators.**

CHANNEL LIST – ATSC (DIGITAL OVER-THE-AIR)

CHANNEL	SWITCH 1 2 3 4 5 6 7	FREQUENCY (MHz)	CHANNEL	SWITCH 1 2 3 4 5 6 7	FREQUENCY (MHz)
14.1	UDDDDDD	473	42.1	UDUUUDD	641
15.1	DUDDDDD	479	43.1	DUUUUDD	647
16.1	UUDDDDD	485	44.1	UUUUUDD	653
17.1	DDUDDDD	491	45.1	DDDDDUD	659
18.1	UDUDDDD	497	46.1	UDDDDUD	665
19.1	DUUDDDD	503	47.1	DUDDDUD	671
20.1	UUUDDDD	509	48.1	UUDDDUD	677
21.1	DDDUDDD	515	49.1	DDUDDUD	683
22.1	UDDUDDD	521	50.1	UDUDDUD	689
23.1	DUDUDDD	527	51.1	DUUDUUD	695
24.1	UUDUDDD	533	52.1	UUUDDUD	701
25.1	DDUUDDD	539	53.1	DDDUDUD	707
26.1	UDUUDDD	545	54.1	UDDUDUD	713
27.1	DUUUDDD	551	55.1	DUDUDUD	719
28.1	UUUUDDD	557	56.1	UUDUDUD	725
29.1	DDDDUDD	563	57.1	DDUUDUD	731
30.1	UDDDUDD	569	58.1	UDUUDUD	737
31.1	DUDDUDD	575	59.1	DUUUDUD	743
32.1	UUDDUDD	581	60.1	UUUUDUD	749
33.1	DDUDUDD	587	61.1	DDDDUUD	755
34.1	UDUDUDD	593	62.1	UDDDUUD	761
35.1	DUUDUDD	599	63.1	DUDDUUD	767
36.1	UUUDUDD	605	64.1	UUDDUUD	773
37.1	DDDUUDD	611	65.1	DDUDUUD	779
38.1	UDDUUDD	617	66.1	UDUDUUD	785
39.1	DUDUUDD	623	67.1	DUUDUUD	791
40.1	UUDUUDD	629	68.1	UUUDUUD	797
41.1	DDUUUDD	635	69.1	DDDUUUD	803
LEGEND	U = UP	D = DOWN			

CHANNEL LIST – QAM (DIGITAL CABLE)

CHANNEL	SWITCH 1 2 3 4 5 6 7	FREQUENCY (MHz)	CHANNEL	SWITCH 1 2 3 4 5 6 7	FREQUENCY (MHz)
37.1	UDDDDDU	303	66.1	DUUUUDU	477
38.1	DUDDDDU	309	67.1	UUUUUDU	483
39.1	UUDDDDU	315	68.1	DDDDDUU	489
40.1	DDUDDDU	321	69.1	UDDDDUU	495
41.1	UDUDDDU	327	70.1	DUDDDUU	501
42.1	DUUDDDU	333	71.1	UUDDDUU	507
43.1	UUUDDDU	339	72.1	DDUDDUU	513
44.1	DDDUDDU	345	73.1	UDUDDUU	519
45.1	UDDUDDU	351	74.1	DUUDDUU	525
46.1	DUDUDDU	357	75.1	UUUDDUU	531
47.1	UUDUDDU	363	76.1	DDDUDUU	537
48.1	DDUUDDU	369	77.1	UDDUDUU	543
49.1	UDUUDDU	375	78.1	DUDUDUU	549
50.1	DUUUDDU	381	79.1	UUDUDUU	555
51.1	UUUUDDU	387	80.1	DDUUDUU	561
52.1	DDDDUDU	393	81.1	UDUUDUU	567
53.1	UDDDUDU	399	82.1	DUUUDUU	573
54.1	DUDDUDU	405	83.1	UUUUDUU	579
55.1	UUDDUDU	411	84.1	DDDDUUU	585
56.1	DDUDUDU	417	85.1	UDDDUUU	591
57.1	UDUDUDU	423	86.1	DUDDUUU	597
58.1	DUUDUDU	429	87.1	UUDDUUU	603
59.1	UUUDUDU	435	88.1	DDUDUUU	609
60.1	DDDUUDU	441	89.1	UDUDUUU	615
61.1	UDDUUDU	447	90.1	DUUDUUU	621
62.1	DUDUUDU	453	91.1	UUUDUUU	627
63.1	UUDUUDU	459	92.1	DDDUUUU	633
64.1	DDUUUDU	465	93.1	UDDUUUU	639
65.1	UDUUUDU	471	94.1	DUDUUUU	645
LEGEND	**U = UP**	**D = DOWN**			

VECOAX PIXEL MODULATOR

PRODUCT SPECS & FEATURES

Power - 5v/DC (5V 1A)

Converts HD video HDMI input to RF output over Coax, using ATSC (North American Over-the-Air) or QAM (Digital Cable).

Compact Design makes installation easy.

Works with many different TV brands including Samsung, Sony, Vizio, LG, and More.

Receives on TVs as its own HDTV channel as a 720p HD signal with Dolby Digital Audio (AC3)

Easy Plug and Play Setup with channel customization set via dipswitch control.

Can be mixed with other HDTV signals such as Digital Cable or Over the Air Channels (depending on Frequencies available for you to use)

Modular – Expandable – Reliable - 5 Year Warranty – Affordable

TECH SUPPORT – CONTACT US

Before contacting us, please read this manual carefully, as it covers ALL and EVERY aspect to set this product as per your needs, using pictures and examples.

Should you need any additional support, to submit a support ticket, please go to www.pvisupport.com and click "Submit a Ticket". Our support staff will address your questions very quickly right after you post the ticket.

We strongly suggest that you open a ticket first before calling, so we can best support you.

Our tech support department is active MON-FRI 9:30 AM – 5 PM US EST TIME. Tickets posted outside of this time window or on weekends and holidays are responded to ASAP the following business day.

Free phone tech support is available by calling +1 407 720 6101 ext #2, MON-FRI 9:30 AM – 5 PM US EST TIME.

END