Sennetech

SCT-1013

CAMERA CONTROL CODE TRANSLATOR
VICON RS-422 to AD MANCHESTER Ver. 1.3

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PRODUCT DESCRIPTION

The SCT-1013 is a Vicon to American Dynamics control code translator designed to permit control of AD cameras from Vicon VPS series controllers. It receives Vicon RS-422 commands and transmits the appropriate commands in AD manchester format. There are four independent AD outputs.

The SCT-1013 will appear to the Vicon controller as a group of responding receiver/drivers. Internal switches set the low camera number and the high camera number to which the translator will respond. It can be configured to work with either fixed or variable speed Vicon controllers, and fixed or variable speed AD receivers.

The Vicon input baud rate can be configured for 4800 or 9600.

Input and output connections are made with mating screw terminal connectors. Front panel LEDs indicate status of power, receive, and transmit.

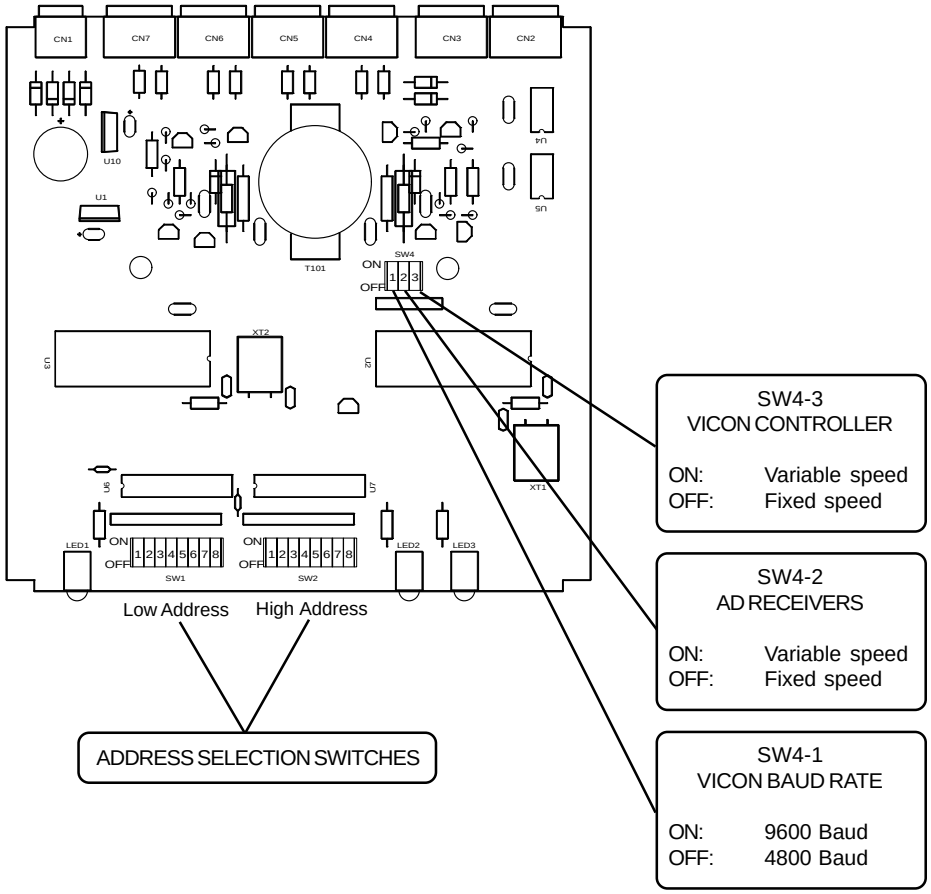
There is an optional 19" rack mount panel (one rack unit high).

SPECIFICATIONS

SIZE:	5.57"W x 1.52H x 5.45D
WEIGHT:	1.5 lbs.
POWER:	12Volt to 15Volt AC or DC at 75ma
INDICATORS:	Front panel LEDs: Power, Rx, & Tx
VICON DATA INPUT:	(1) mating 3-pin screw terminal connector
VICON RSP OUTPUT:	(1) mating 3-pin screw terminal connector
AD OUTPUTS:	(4) mating 3-pin screw terminal connectors

SETTING THE SWITCHES

To set the configuration switches, remove the back panel, which is secured by two screws. Then slide the cover back to expose the switches. The switches can be changed while the code translator is powered up and the new settings will take effect immediately.



The address switches define a "window" of Vicon camera address numbers to be accepted by the code translator. Commands for addresses outside this window will be ignored.

The preferred mode of operation is simplex mode with the response line not connected. If it is connected, the code translator will appear to the Vicon controller as all the cameras defined by the address selection switches.

AD manchester code receiver addresses range from 1 to 64. The size of the window will not exceed 64. The highest address in the window will be limited to the lowest address plus 63, even if the high address switch is set to a higher number. If the low and high addresses are set to the same number, only that address will get through.

The conversion chart shows the address that will be sent to the AD receiver for each Vicon address. The address window can cross an AD block of 64. If, for example, the low address is [11], then the high address can be [74]. In this case, the receiver to be controlled as Camera 65 must have its address set to [1], and the next one to [2], and so on.

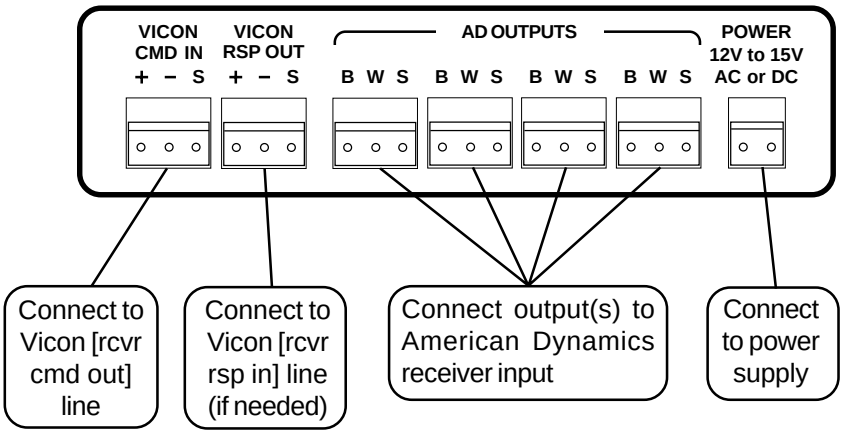
CAMERA ADDRESS SWITCH SETTING CHART

■ -ON
□ -OFF

Vicon	AD	Vicon	AD	Vicon	AD	Vicon	AD
256	1	064	1	128	1	192	1
001	2	065	2	129	2	193	2
002	3	066	3	130	3	194	3
003	4	067	4	131	4	195	4
004	5	068	5	132	5	196	5
005	6	069	6	133	6	197	6
006	7	070	7	134	7	198	7
007	8	071	8	135	8	199	8
008	9	072	9	136	9	200	9
009	10	073	10	137	10	201	10
010	11	074	11	138	11	202	11
011	12	075	12	139	12	203	12
012	13	076	13	140	13	204	13
013	14	077	14	141	14	205	14
014	15	078	15	142	15	206	15
015	16	079	16	143	16	207	16
016	17	080	17	144	17	208	17
017	18	081	18	145	18	209	18
018	19	082	19	146	19	210	19
019	20	083	20	147	20	211	20
020	21	084	21	148	21	212	21
021	22	085	22	149	22	213	22
022	23	086	23	150	23	214	23
023	24	087	24	151	24	215	24
024	25	088	25	152	25	216	25
025	26	089	26	153	26	217	26
026	27	090	27	154	27	218	27
027	28	091	28	155	28	219	28
028	29	092	29	156	29	220	29
029	30	093	30	157	30	221	30
030	31	094	31	158	31	222	31
031	32	095	32	159	32	223	32
032	33	096	33	160	33	224	33
033	34	097	34	161	34	225	34
034	35	098	35	162	35	226	35
035	36	099	36	163	36	227	36
036	37	100	37	164	37	228	37
037	38	101	38	165	38	229	38
038	39	102	39	166	39	230	39
039	40	103	40	167	40	231	40
040	41	104	41	168	41	232	41
041	42	105	42	169	42	233	42
042	43	106	43	170	43	234	43
043	44	107	44	171	44	235	44
044	45	108	45	172	45	236	45
045	46	109	46	173	46	237	46
046	47	110	47	174	47	238	47
047	48	111	48	175	48	239	48
048	49	112	49	176	49	240	49
049	50	113	50	177	50	241	50
050	51	114	51	178	51	242	51
051	52	115	52	179	52	243	52
052	53	116	53	180	53	244	53
053	54	117	54	181	54	245	54
054	55	118	55	182	55	246	55
055	56	119	56	183	56	247	56
056	57	120	57	184	57	248	57
057	58	121	58	185	58	249	58
058	59	122	59	186	59	250	59
059	60	123	60	187	60	251	60
060	61	124	61	188	61	252	61
061	62	125	62	189	62	253	62
062	63	126	63	190	63	254	63
063	64	127	64	191	64	255	64

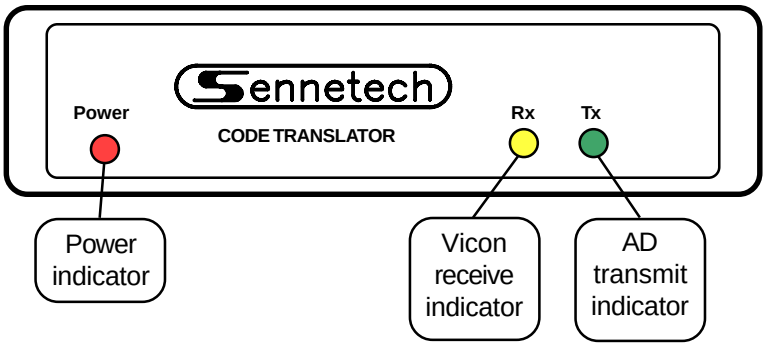
INSTALLATION

REAR PANEL

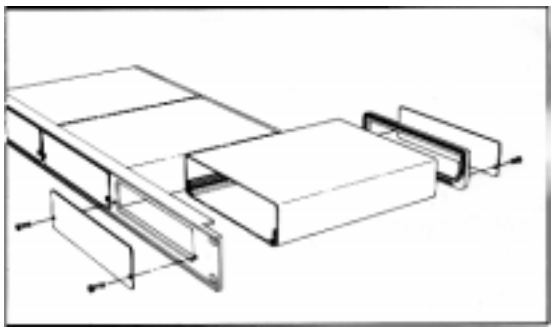


The The SCT-1013 code translator should be installed in the Vicon system as if it were a Vicon receiver.

FRONT PANEL



To install the case on the rack mount frame, remove the front panel and the plastic bezel. The rack mount frame takes the place of the bezel as shown below.



OPERATION

Vicon Pan, Tilt, Zoom, Focus, Iris, and pre-position commands are converted to the equivalent AD commands.