

**Sennetech**

**SCT-1076**

**CAMERA CONTROL CODE TRANSLATOR  
KALATEL RS-422 to PANASONIC RS-485 Ver. 1.0**

[www.sennetech.net](http://www.sennetech.net)

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## PRODUCT DESCRIPTION

The SCT-1076 is a Kalatel RS-422 to Panasonic RS-485 camera control code translator designed to permit control of Panasonic cameras from Kalatel controllers. It receives Kalatel RS-422 commands and transmits the appropriate commands in Panasonic RS-485 code format.

Kalatel input of Digiplex II at either 2400 or 4167 baud or Digiplex III at either 2400 or 4800 baud is detected automatically.

Panasonic RS-485 output is switch-selectable from 2400 to 19.2k baud.  
There are four independent outputs.

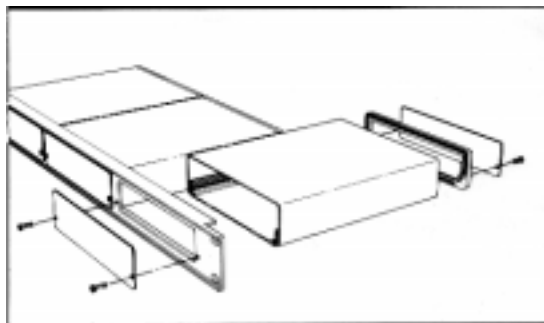
Input and output connections are made with mating screw terminal connectors. Front panel LEDs indicate power, receive, transmit, and status.

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

## SPECIFICATIONS

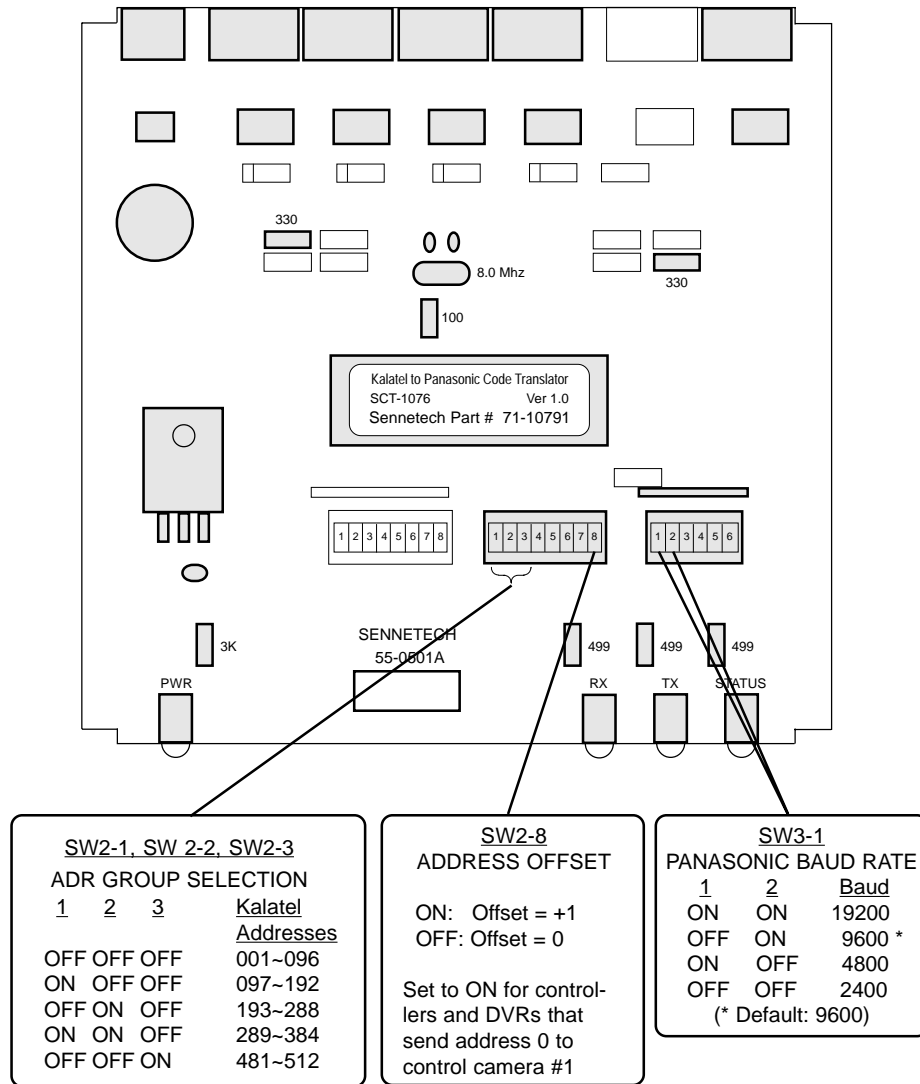
SIZE:	19"W x 1.75H x 5.45D
WEIGHT:	1.5 lbs.
POWER:	9Volt to 18Volt AC or DC at .75 Watts
INDICATORS:	Front panel LEDs: Power, Rx, Tx, and Status
KALATEL RS-422 INPUT:	(1) 3-pin mating screw terminal connector
PANASONIC RS-485 OUTPUTS:	(4) 3-pin mating screw terminal connectors

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.



## 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.



On Kalatel keypads, such as the KTD-304, Camera 000 is selected to control a camera whose address switches are set to 0, Camera 001 controls a camera set to 1, and so on.

On KTD-405 keypads and some DVRs that support the Kalatel digiplex protocol, Camera 000 can not be selected. The lowest camera number is 1. However, when Camera 001 is selected, the data packet sent to the camera is addressed to 0, Camera 002 is addressed to 1, etc.

ADDRESS GROUPS of 96

Group 001~096

Group 097~192

Group 193~288

Kalatel Panasonic		Kalatel Panasonic		Kalatel Panasonic		Kalatel Panasonic		Kalatel Panasonic		Kalatel Panasonic	
1	1	49	49	97	1	145	49	193	1	241	49
2	2	50	50	98	2	146	50	194	2	242	50
3	3	51	51	99	3	147	51	195	3	243	51
4	4	52	52	100	4	148	52	196	4	244	52
5	5	53	53	101	5	149	53	197	5	245	53
6	6	54	54	102	6	150	54	198	6	246	54
7	7	55	55	103	7	151	55	199	7	247	55
8	8	56	56	104	8	152	56	200	8	248	56
9	9	57	57	105	9	153	57	201	9	249	57
10	10	58	58	106	10	154	58	202	10	250	58
11	11	59	59	107	11	155	59	203	11	251	59
12	12	60	60	108	12	156	60	204	12	252	60
13	13	61	61	109	13	157	61	205	13	253	61
14	14	62	62	110	14	158	62	206	14	254	62
15	15	63	63	111	15	159	63	207	15	255	63
16	16	64	64	112	16	160	64	208	16	256	64
17	17	65	65	113	17	161	65	209	17	257	65
18	18	66	66	114	18	162	66	210	18	258	66
19	19	67	67	115	19	163	67	211	19	259	67
20	20	68	68	116	20	164	68	212	20	260	68
21	21	69	69	117	21	165	69	213	21	261	69
22	22	70	70	118	22	166	70	214	22	262	70
23	23	71	71	119	23	167	71	215	23	263	71
24	24	72	72	120	24	168	72	216	24	264	72
25	25	73	73	121	25	169	73	217	25	265	73
26	26	74	74	122	26	170	74	218	26	266	74
27	27	75	75	123	27	171	75	219	27	267	75
28	28	76	76	124	28	172	76	220	28	268	76
29	29	77	77	125	29	173	77	221	29	269	77
30	30	78	78	126	30	174	78	222	30	270	78
31	31	79	79	127	31	175	79	223	31	271	79
32	32	80	80	128	32	176	80	224	32	272	80
33	33	81	81	129	33	177	81	225	33	273	81
34	34	82	82	130	34	178	82	226	34	274	82
35	35	83	83	131	35	179	83	227	35	275	83
36	36	84	84	132	36	180	84	228	36	276	84
37	37	85	85	133	37	181	85	229	37	277	85
38	38	86	86	134	38	182	86	230	38	278	86
39	39	87	87	135	39	183	87	231	39	279	87
40	40	88	88	136	40	184	88	232	40	280	88
41	41	89	89	137	41	185	89	233	41	281	89
42	42	90	90	138	42	186	90	234	42	282	90
43	43	91	91	139	43	187	91	235	43	283	91
44	44	92	92	140	44	188	92	236	44	284	92
45	45	93	93	141	45	189	93	237	45	285	93
46	46	94	94	142	46	190	94	238	46	286	94
47	47	95	95	143	47	191	95	239	47	287	95
48	48	96	96	144	48	192	96	240	48	288	96

ADDRESS GROUPS of 96

Group 289~384

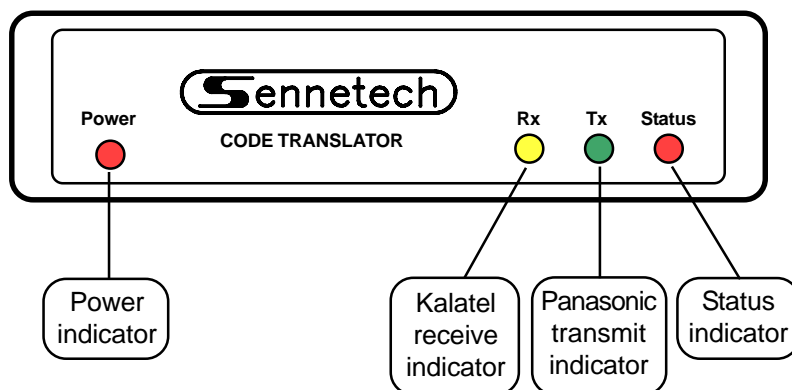
Group 385~480

Group 481~512

Kalatel Panasonic		Kalatel Panasonic		Kalatel Panasonic		Kalatel Panasonic		Kalatel Panasonic		Kalatel Panasonic	
289	1	337	49	385	1	433	49	481	1		
290	2	338	50	386	2	434	50	482	2		
291	3	339	51	387	3	435	51	483	3		
292	4	340	52	388	4	436	52	484	4		
293	5	341	53	389	5	437	53	485	5		
294	6	342	54	390	6	438	54	486	6		
295	7	343	55	391	7	439	55	487	7		
296	8	344	56	392	8	440	56	488	8		
297	9	345	57	393	9	441	57	489	9		
298	10	346	58	394	10	442	58	490	10		
299	11	347	59	395	11	443	59	491	11		
300	12	348	60	396	12	444	60	492	12		
301	13	349	61	397	13	445	61	493	13		
302	14	350	62	398	14	446	62	494	14		
303	15	351	63	399	15	447	63	495	15		
304	16	352	64	400	16	448	64	496	16		
305	17	353	65	401	17	449	65	497	17		
306	18	354	66	402	18	450	66	498	18		
307	19	355	67	403	19	451	67	499	19		
308	20	356	68	404	20	452	68	500	20		
309	21	357	69	405	21	453	69	501	21		
310	22	358	70	406	22	454	70	502	22		
311	23	359	71	407	23	455	71	503	23		
312	24	360	72	408	24	456	72	504	24		
313	25	361	73	409	25	457	73	505	25		
314	26	362	74	410	26	458	74	506	26		
315	27	363	75	411	27	459	75	507	27		
316	28	364	76	412	28	460	76	508	28		
317	29	365	77	413	29	461	77	509	29		
318	30	366	78	414	30	462	78	510	30		
319	31	367	79	415	31	463	79	511	31		
320	32	368	80	416	32	464	80	512	32		
321	33	369	81	417	33	465	81				
322	34	370	82	418	34	466	82				
323	35	371	83	419	35	467	83				
324	36	372	84	420	36	468	84				
325	37	373	85	421	37	469	85				
326	38	374	86	422	38	470	86				
327	39	375	87	423	39	471	87				
328	40	376	88	424	40	472	88				
329	41	377	89	425	41	473	89				
330	42	378	90	426	42	474	90				
331	43	379	91	427	43	475	91				
332	44	380	92	428	44	476	92				
333	45	381	93	429	45	477	93				
334	46	382	94	430	46	478	94				
335	47	383	95	431	47	479	95				
336	48	384	96	432	48	480	96				

## INSTALLATION

### FRONT PANEL

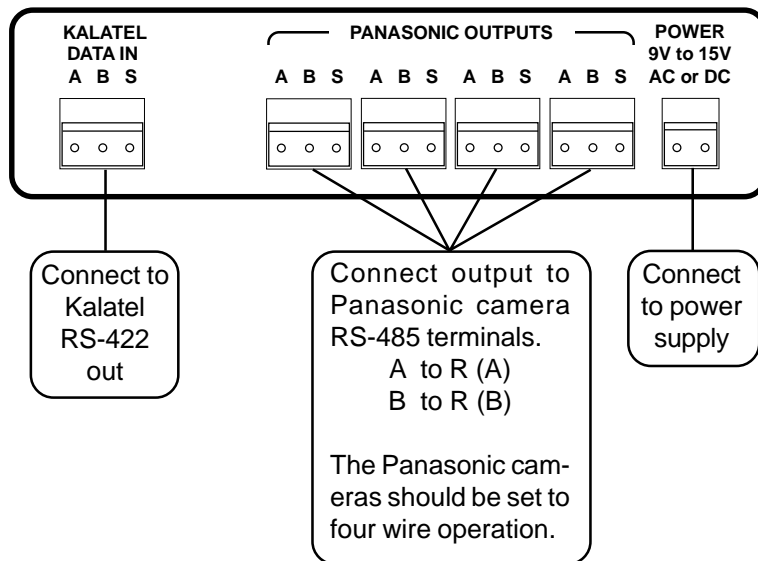


When the Kalatel code stream is detected on the input, the Status indicator will flash two or three times to indicate Digiplex II or Digiplex III, respectively. Then it will flash either two times for 2400 baud or four times for 4167/4800 baud. As long as the code stream is present, the Rx indicator will glow dimly.

When camera control code is sent, the indicator will flash more brightly.

The Tx indicator flashes when Panasonic output code is being sent.

### REAR PANEL



Even though the code translator connects to the Panasonic cameras with only two wires, configure the cameras for four wire operation so that they will not respond on the same pair of wires.

## OPERATION

Kalatel Pan, Tilt, Zoom, Focus, and Iris commands are converted to the equivalent Panasonic commands. Other commands are converted according to the following table for different styles of keyboards. *Note: KTD-405 keyboard commands are listed in italics.*

<b><u>KTD-304</u></b>	<b><u>KTD-405</u></b>	<b><u>PANASONIC COMMAND</u></b>
<b>Presets</b>		
Pgm Preset 01~49	<i>[Store][01~49][Store]</i>	Program Preset 1~49
Set 01~49	<i>[Find][01~49]</i>	Go to Preset 1~49

### **Tours/Patrols**

To store a tour, put the camera in the starting position. Send the Program Preset command to start the recording. Then move the camera through the desired pattern. At the end of the defined pattern, send the Find 50 command.

Pgm Pset 51	<i>[Store][51][Store]</i>	Define Start of Patrol 1
Pgm Pset 52	<i>[Store][52][Store]</i>	Define Start of Patrol 2
Pgm Pset 53	<i>[Store][53][Store]</i>	Define Start of Patrol 3
Set 50	<i>[Find][50]</i>	Define End of Patrol

Once a tour is stored, it can be run using the following commands.

Set 51	<i>[Tour][01]</i>	Run Patrol 1
Set 52	<i>[Tour][02]</i>	Run Patrol 2
Set 53	<i>[Tour][03]</i>	Run Patrol 3

(Panasonic domes may be capable of storing only one Patrol.)

### **Additional commands**

Auto Pan	<i>[Tour](Hold 3 seconds)</i>	Autopan
Auto Focus	<i>Auto Focus</i>	Autofocus
Set 56	<i>[Find][56]</i>	ALC On
Set 57	<i>[Find][57]</i>	Manual Iris
Pgm Pset 62	<i>[Store][&gt;][Store]</i>	Set Autopan Start Point
Pgm Pset 63	<i>[Store][&lt;][Store]</i>	Set Autopan End Point

### **Dome On-screen Menu**

To bring up the on-screen menu, use Pgm Pset 60. To exit, use Set or Find 60.

Pgm Pset 60	<i>[Store][60][Store]</i>	Activate Menu
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When the code translator sends the Activate Menu command, the Status indicator starts flashing at a fast rate, and the following control functions are in effect:

Pan & Tilt	Move Cursor
Zoom In	Advance to Next Menu Level
Zoom Out	Return to Previous Menu Level

When a field with values to be increased or decreased is highlighted, tap and release the joystick repeatedly in the Pan left or right direction to change values.

To access special menu functions, use Set/Find 61 & 62.

Set 61	<i>[Find][61]</i>	Special Menu Set1 (Cam refresh)
Set 62	<i>[Find][61]</i>	Special Menu Set2 (Cam reset)

The menu does not have an on-screen exit option; use the following command to exit.

Set 60	<i>[Find][60]</i>	Exit Menu/Return to Normal Operation
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Also, while in menu mode, any command not used for the menu, such as Focus or Iris, will cause the code translator to send the Exit Menu command.

The code translator menu mode is for only one camera address at a time.

