

GT Vision

Cherry Gardens Industrial Estate,
Helions Bumpstead Road,
Haverhill,
Suffolk,
CB9 7AA
UK
Tel +(0)1440 71737
Fax +44(0)1440 709421
e-mail: eurosales@gt-vision.com
www.gt-vision.com

Surveyor Rapid Scanning System**Image Size Reckoner**

CAMERA :		JVC 1030		Pixel Output :		1360	x	1024										
		Approx	Frame	Frame														
LENS	"C" MOUNT	μ /pixel	Area μ²	Area mm²	Frames (Fields) For Area in mm²						Data Storage Needed - In Mbytes (Assuming 24 bit)							
					1	5	10	100	1000	10000	50000	1	5	10	100	1000	10000	50000
5x	1.00	0.90	1136903	1.1369	0.88	4	9	88	880	8796	43979	4	18	37	367	3675	36748	183741
	0.63	1.43	2864457	2.8645	0.35	2	3	35	349	3491	17455	2	7	15	146	1459	14585	72927
	0.50	1.81	4547612	4.5476	0.22	1	2	22	220	2199	10995	1	5	9	92	919	9187	45935
	0.35	2.58	9280842	9.2808	0.11	1	1	11	108	1077	5387	1	2	5	45	450	4502	22508
10x	1.00	0.45	284226	0.2842	3.52	18	35	352	3518	35183	175916	15	73	147	1470	14699	146993	734965
	0.63	0.72	716114	0.7161	1.40	7	14	140	1396	13964	69821	6	29	58	583	5834	58342	291708
	0.50	0.90	1136903	1.1369	0.88	4	9	88	880	8796	43979	4	18	37	367	3675	36748	183741
	0.35	1.29	2320210	2.3202	0.43	2	4	43	431	4310	21550	2	9	18	180	1801	18007	90033
20x	1.00	0.23	71056	0.0711	14.07	70	141	1407	14073	140733	703666	59	294	588	5880	58797	587972	2939860
	0.63	0.36	179029	0.1790	5.59	28	56	559	5586	55857	279285	23	117	233	2334	23337	233366	1166830
	0.50	0.45	284226	0.2842	3.52	18	35	352	3518	35183	175916	15	73	147	1470	14699	146993	734965
	0.35	0.65	580053	0.5801	1.72	9	17	172	1724	17240	86199	7	36	72	720	7203	72027	360133
40x	1.00	0.11	17764	0.0178	56.29	281	563	5629	56293	562933	2814664	235	1176	2352	23519	235189	2351888	11759440
	0.63	0.18	44757	0.0448	22.34	112	223	2234	22343	223428	1117140	93	467	933	9335	93346	933464	4667322
	0.50	0.23	71056	0.0711	14.07	70	141	1407	14073	140733	703666	59	294	588	5880	58797	587972	2939860
	0.35	0.32	145013	0.1450	6.90	34	69	690	6896	68959	344796	29	144	288	2881	28811	288106	1440531
60x	1.00	0.07	7505	0.0075	133.24	666	1332	13324	133239	1332385	6661926	557	2783	5567	55666	556660	5566599	27832994
	0.63	0.12	18910	0.0189	52.88	264	529	5288	52882	528824	2644118	221	1105	2209	22094	220938	2209383	11046915
	0.50	0.15	30021	0.0300	33.31	167	333	3331	33310	333096	1665482	139	696	1392	13916	139165	1391650	6958249
	0.35	0.21	61268	0.0613	16.32	82	163	1632	16322	163217	816086	68	341	682	6819	68191	681908	3409542
100x	1.00	0.05	2842	0.0028	351.83	1759	3518	35183	351833	3518330	17591649	1470	7350	14699	146993	1469930	14699300	73496501
	0.63	0.07	7161	0.0072	139.64	698	1396	13964	139643	1396425	6982125	583	2917	5834	58342	583415	5834152	29170761
	0.50	0.09	11369	0.0114	87.96	440	880	8796	87958	879582	4397912	367	1837	3675	36748	367483	3674825	18374125
	0.35	0.13	23202	0.0232	43.10	215	431	4310	43100	430995	2154977	180	900	1801	18007	180066	1800664	9003321