

VLBI Data Acquisition System catalog

Sampler													Recorder				
			Input			Output											
Name	Developing Institution	Manufacture Company	Sampling rate[Msp/s]	Sampling Quantization bit	DBBC Function	Data Output rate[Msp/s]	Quantization bit	No. of Output Channel.	Max Data rate[Mbps]	Data Output Interface	Picture	Introduction Year	Approximate Price	Application, Comments			
K5/VSSP32	NICT	Nitsuki Co. Ltd	1,2,4,8,16,32,64	8	No	1,2,4,8,16,32,64	1,2,4,8	4	256	USB 2.0		2002	4k USD	One geodeitc VLBI sampler for 16 channels is composed of four set of K5/VSSP samplers.	→		COTS PC with USB 2.0 Interface
K5/ADS1000	NICT	Digital Link Co Ltd.	1024	2	No	512, 1024	1,2	1	2048(2 VSI-H)	VSI-H		2000		single channel 512MHz bandwidth data aquisition. Mainly used for Astronomy	→		COTS PC with PC-VSI board, or Any other VLBI recorder with VSI-H interface(DIM)
K5/ADS2000	NICT	Nitsuki Co. Ltd	2,4,8,16,32,64	2	No	2,4,8,16,32,64	2	16	2048	VSI-H		2008		One geodeitc VLBI sampler for 16 channels is composed of one set of K5/ADS2000 samplers.	→		COTS PC with PC-VSI board, or Any other VLBI recorder with VSI-H interface(DIM)
K5/ADS3000+	NICT	CosmoResearch	1024	8	Yes	8,16,32,64	1,2,4,8	16	4096(2 VSI-H)	VSI-H		2008	28k USD	One geodeitc VLBI sampler for 16 channels is composed of one set of K5/ADS3000+ samplers.	→		COTS PC with PC-VSI board, or Any other VLBI recorder with VSI-H interface(DIM)
K6/GALAS	NICT	Elecs Industry Co Ltd	16384	3	Yes	2048, 3200, 6400	1,2,3	4	16384(4 10GBase-SR)	10GBASE-SR		2014	72k USD	Four 1024MHz bandwidth data acquisition for VGOS like VLBI observation	→		COTS PC with 10GBase-SR interface, or Any other VLBI recorder with VDIF/VTP/UDP data stream.
K6/iDAS	GSI	Nitsuki Co. Ltd	256, 512, 1024, 2048	8	Yes	4,8,16,32,64,128	1,2,4,8	64	8192(2 10GBase-SR)	10GBASE-SR		2014		VGOS Compliant Sampler			COTS PC with 10GBase-SR interface, or Any other VLBI recorder with VDIF/VTP/UDP data stream.
OCTAVIA	NAOJ	Elecs Industry Co Ltd								10GBASE-SR				VERA projet sampler for astronomy			COTS PC with 10GBase-SR interface, or Any other VLBI recorder with VDIF/VTP/UDP data stream.