

Video signal D/A converter

Part No.	Supply voltage (V)	Resolution (Bit)	Settling time (ns)	Features	Package
New BU3616K	5	8	35	Video 3 ch 8 bit DAC, high speed low power consumption, internal standard supply	QFP44

Color TV signal encoder

●Digital NTSC/PAL encoder

Part No.	Supply voltage (V)	NTSC	PAL	PAL60	Input	Clock	Sync timing	DAC	Package
BU1414AK	5	○			24bit RGB	13.5MHz	Master	9bit × 3	QFP-A64
BU1417AK	5	○	○	○	24bit RGB	13.5/27.0MHz 14.3/28.6MHz 14.2/28.4MHz	Master/slave	9bit × 3	QFP-A64
BU1418K	5	○			24bit RGB	27.0MHz 28.6MHz	Slave	9bit × 3	QFP-A64
New BU1419K	5	○	○	○	16bit YUV	13.5/27.0MHz 14.3/28.6MHz	Master/slave	9bit × 3	QFP-A64

●Analog NTSC/PAL encoder

Part No.	Supply voltage (V)	System		RGB input		YUV input		Features	Package
		NTSC	PAL	Analog	Digital	Analog	Digital		
BA7230LS	5	○		○		○		Internal video signal and RGB composite signal can be superimposed	SZIP24
BA6591AF	5	○	○	○		○		S-terminal capability	SOP24
BA7232FS	5	○	○	○				Internal 75Ω driver, S-terminal capability	SSOP-A20
BH7236F	5	○	○	○				Internal 75Ω driver, S-terminal capability, BPF generator	SOP24

SYNC separator IC

Part No.	Supply voltage (V)	Function	Output signal (μsec)		AFC circuit	Features	Package
			HD pulse width	VD pulse width			
BA7046/F	5	Video signal SYNC separation circuit	5.1	230	○	Phase difference between HD and VD is guaranteed.	DIP8/SOP8
BA7062F	5	Video signal SYNC separation circuit	11.5	260	○	Composite SYNC pulse.	SOP8
BA7071F	3~7.5	Video signal SYNC separation	10.3	254	○		Phase difference between HD and VD is guaranteed.

On-screen display

Part No.	Supply voltage (V)	Function				Standard font	Features	Application	Format	Package
		Number of characters	Output signal	SYNC sep.	Microcontroller interface					
BU2848FS	5	128	RGB		8 bit serial	○	With RESET terminal. Small package.	Camcorder	NTSC/PAL	SSOP-A20
BU2870FS	5	256	RGB		8 bit serial	○	With RESET terminal. Small package.	Camcorder	NTSC/PAL	SSOP-A20
BU2873FS	5	64	RGB		8 bit serial		With RESET terminal. Small package.	Camcorder	NTSC/PAL	SSOP-A20
BU2858FV	3~5	128	RGB		16 bit serial	○	With RESET terminal. Small package.	Camcorder	NTSC/PAL	SSOP-B20
BU2874FV	3~5	256	RGB		16 bit serial	○	With reset terminal, compact package, LC oscillation	Camcorder	NTSC/PAL	SSOP-B20
BU2874AFV	3~5	256	RGB		16 bit serial	○	With reset terminal, compact package, external clock input.	Camcorder	NTSC/PAL	SSOP-B20
New BU2871FS	5	64	Composite	○	16 bit serial		Digital AFC, superimpose	VCR	NTSC/PAL PAL-M/PAL-N	SSOP-A20
New BU2878FS	5	128	Composite	○	16 bit serial	○	Digital AFC, superimpose	VCR	NTSC/PAL PAL-M/PAL-N	SSOP-A20
BU2875/F	5	128	Composite, S-terminal RGB	○	16 bit serial		Color, Superimpose (B/W)	VCR	NTSC/PAL PAL-M/PAL-N	DIP28/SOP28
BU2857/F	5	256	Composite, S-terminal RGB	○	16 bit serial	○	Color, Superimpose (B/W)	VCR	NTSC/PAL PAL-M/PAL-N	DIP28/SOP28

3-ch video amplifier

Part No.	Supply voltage (V)	Function	Features	Package
☆BH7330P	5	I ² C bus control 3ch video amplifier	Built-in 9ch, 8 bit D/A converter circuits. With OSD MIX function. Few external components.	SDIP-P24

Note: ☆: Under development