

Dual SDI to PAL/NTSC/YC.



The V1629 Dual DAC module provides conversion of 2 serial digital input signals to analogue composite NTSC or PAL format for monitoring purposes. The module will automatically detect the incoming line rate and convert to the appropriate standard. Both channels can be independently configured to give either two composite or one Y/C output. Internal switches are provided for NTSC set-up, PAL Standard and test signal selection. In addition, the test signal may be selected via a BNC connector acting as a GPI port on the rear module.

FEATURES

- Two independent channels
- Multistandard PAL & NTSC
- Y/C output mode
- 10-bit dynamic rounding
- Vertical interval pass or blank
- Test signal

Technical Specification

Serial Inputs (2, Channels A & B)

Standard	ITU-R BT 601
Format	EBU Tech 3267-E and SMPTE 259M-C
Sampling	4:2:2, 10 bit
Line/field rate	525/60 and 625/50
Connector	BNC
Impedance	75
Return loss	>15dB, 5-270MHz
Cable equalisation	0 - 250m (Belden 8281)
Data rate	270Mb/s

Serial Outputs (1 per channel)

Format	As input
Return loss	>15dB, 5-270MHz
Rise & fall times	0.75 - 1.5ns
Cable drive capability	Up to 250m (Belden 8281)

Video Outputs (2 per channel)

Standards	PAL-B,G,I; PAL-M; PAL-N; NTSC
Impedance	75 , BNC
Return loss	>35dB to 5.5MHz

Performance

Level accuracy	<0.1dB
Resolution	8 bit
Non-linearity	<5%
SC/H phase	<±3°
S/N ratio	>60dB unweighted
Frequency response	±0.25dB to 5.5MHz

Controls (Independent set of controls for each channel)

Standard select for PAL-M, PAL-N	Internal switch
NTSC set up on/off	Internal switch
Composite or Y/C output	Internal switch
Pluge test signal on/off	Internal switch or remotely via GPI (BNC) (GPI selects TS on channel A or B or Both)

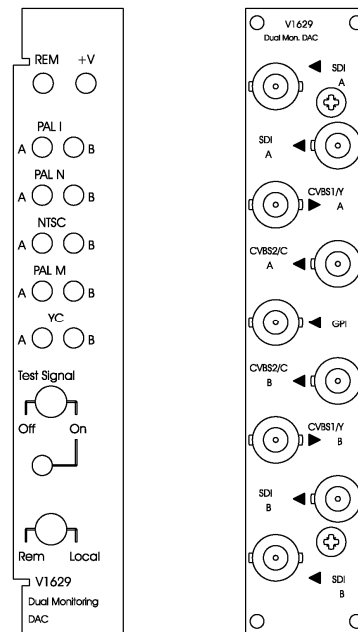
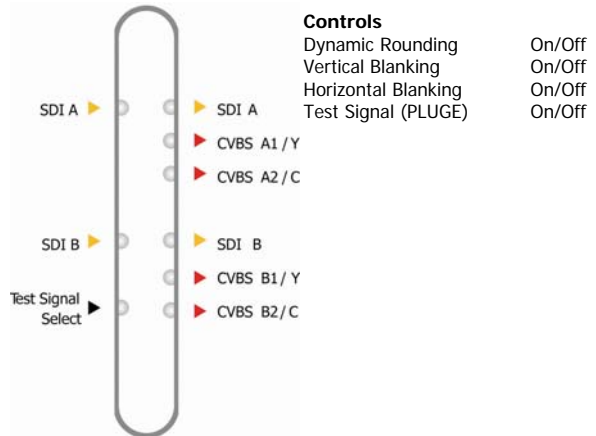
Ordering Information

V1629	Dual SDI to PAL/NTSC/YC
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All Pro-Bel's quoted prices for interface modules include the supply of one suitable rear module. Please specify type required when placing order.

V16VR3H	3RU
V16VR1H	1RU

Note: Special versions of rear module are available on request.



WWW.PRO-BEL.COM

UK
+44 (0) 1189 866 123

USA
+1 631 549 5159

France
+33 (0) 1 45 18 39 80

Hong Kong
+ 852 2891 9123

