



V1627-4 & V1628-4

SDI DA with PAL/NTSC/YPbPr Monitoring

FEATURES

- 4 reclocked SDI outputs
- Multi-standard PAL or NTSC formats
- Configurable outputs (V1628-4 only)
- YPbPr output (V1628-4 only)
- Dynamic rounding of 10-bit input (for PAL/NTSC outputs)
- Vertical interval pass or blank

SDI DA WITH PAL/ NTSC/YPbPr MONITORING



The V1627-4 module provides four equalised and reclocked SDI outputs from an SDI input together with four composite NTSC or PAL outputs for monitoring purposes. The V1628-4 module provides four equalised and reclocked SDI outputs from an SDI input together with composite PAL or NTSC and component outputs for monitoring purposes. It can be configured to give either 4 composite outputs or 1 composite output and 1 YPbPr output. The V1627-4 and V1628-4 will automatically detect the incoming line rate and convert to the appropriate standard. Additional switches are provided for selection of an internal test ramp signal, NTSC set-up and PAL Standard selection.

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Technical Specification

Serial Input

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	270Mbs

Serial Outputs (4)

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 (4)

Standards	PAL-B,G,I; PAL-M; PAL-N; NTSC (V1627-4) PAL-B,G,I; PAL-M; PAL-N; NTSC; YPbPr (V1628-4)
Impedance	75
Return Loss	>35dB to 5.5MHz

Performance

Level Accuracy	<0.1dB
Resolution	8 bit PAL, NTSC 10 bit YPbPr
Non-Linearity	<5%
SC/H Phase	< +/-3°
S/N Ratio	>60dB unweighted
Frequency Response	+/-0.25dB to 5.5MHz

Internal Controls

Standard select for PAL-M, PAL-N
NTSC set up on/off
Composite/YPbPr output
Test ramp on/off

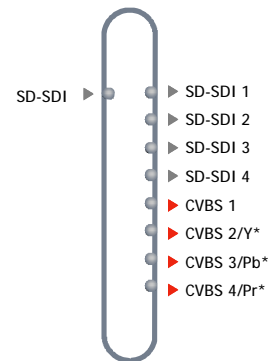
Ordering Information

V1627-4	SDI to PAL/NTSC
V1628-4	SDI to PAL/NTSC/YPbPr

All Pro-Bel's quoted prices for interface modules include the supply of one suitable rear module. Both the V1627-4 & V1628-4 use the same types of rear module. Please specify the type required when placing order:

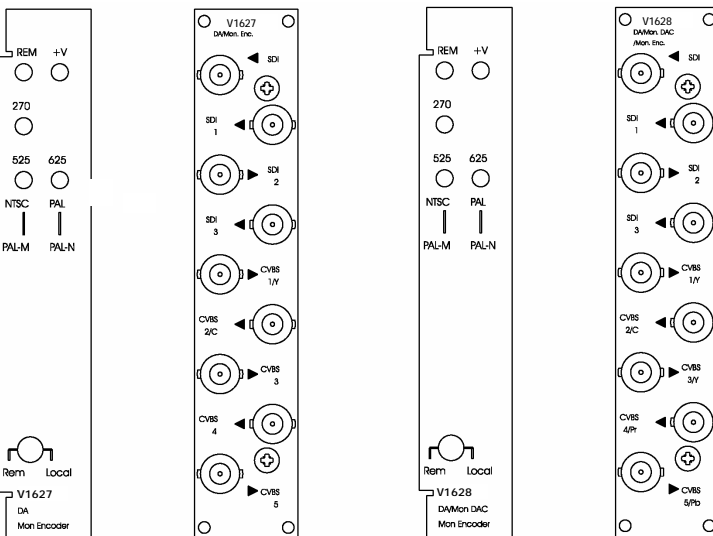
V16VR3B	3RU
V16VR1B	1RU

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



*Note: V1627-4 is CVBS (PAL/NTSC) only
V1628-4 is CVBS or YPbPr selectable

Specifications subject to change



WWW.PRO-BEL.COM

UK

+44 (0) 1189 866 123

USA

+1 631 549 5159

France

+33 (0) 1 45 18 39 80

