

BROADCAST DIGITAL QUAD EFFECT 4 x ASYNCHRONOUS 4:2:2 SERIAL DIGITAL INPUTS

DMV 504

The **DMV504** broadcast quad effect has specifically designed for production or post-production applications in digital environment.

It performs high quality quad effect at very attractive cost, by avoiding to use several expensive DVE channels.

The four asynchronous serial 270 Mbit/s signals input are resized in real time to fit into any part of the final video output.

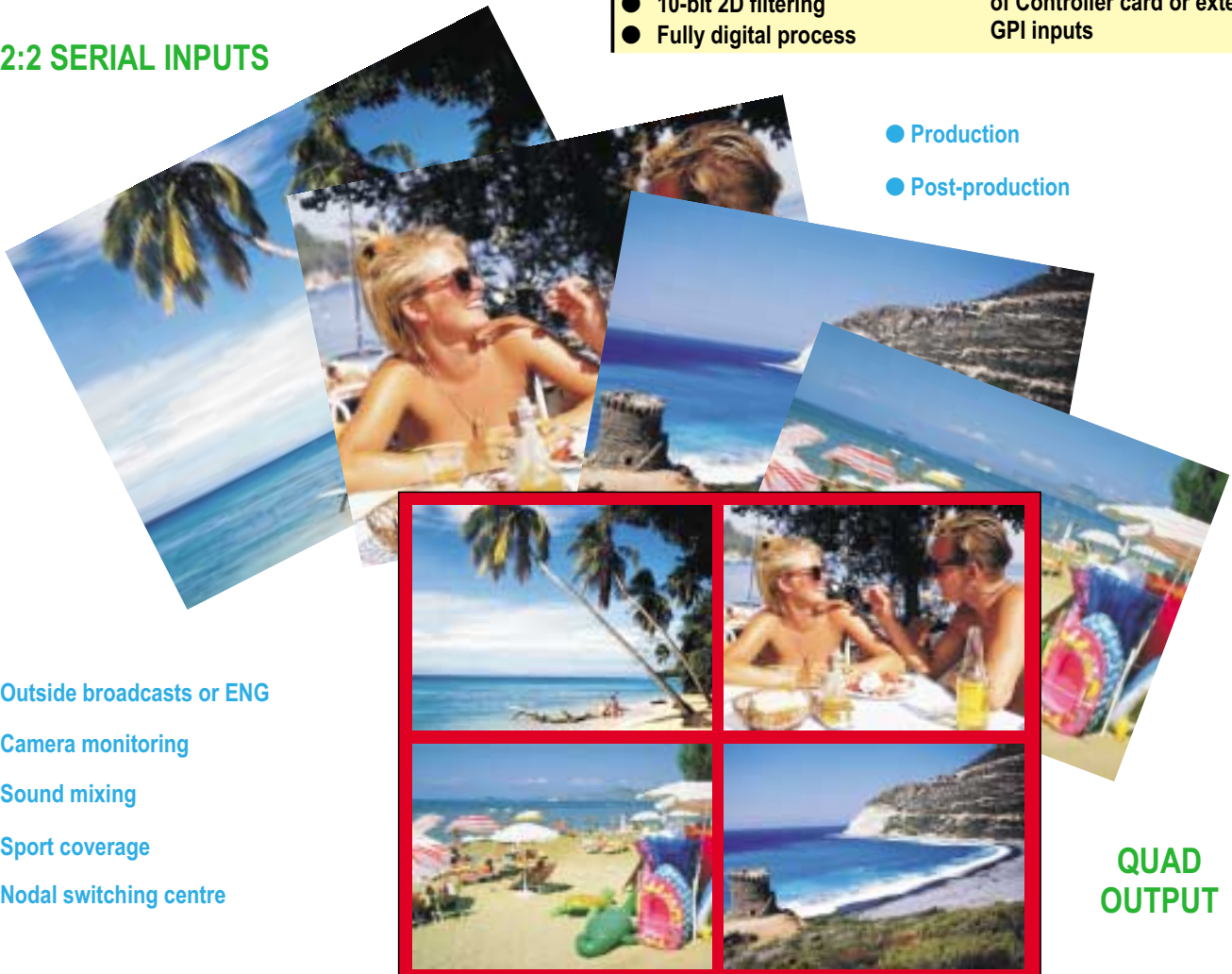
Features

- 4 serial 4:2:2 inputs with active loop-through
- 2 serial 4:2:2 outputs
- 1 RGB/YUV outputs group
- 1 analog synchro output
- Analog video reference input with loop-through
- Real time processing of input signals
- 10-bit 2D filtering
- Fully digital process
- 525 / 625-line (factory set up)
- Genlock on reference input
- Assignment of input sources to final positions on quad output image
- Border function : colour and width selections
- Management in front edge of Controller card or external GPI inputs

4:2:2 SERIAL INPUTS

- Production
- Post-production

- Outside broadcasts or ENG
- Camera monitoring
- Sound mixing
- Sport coverage
- Nodal switching centre



**QUAD
OUTPUT**

Technical Specifications

INPUTS

SIGNAL : 4:2:2 SMPTE 259M-C (270 Mbit/s) with active loop-through

CABLE LENGTH : > 250 m

RETURN LOSS : > 15 dB up to 270 MHz

REFERENCE : Analog composite video with passive loop-through

RETURN LOSS : > 40 dB up to 5 MHz

OUTPUTS

DIGITAL : 4:2:2 SMPTE 259M-C

RETURN LOSS : >15 dB up to 270 MHz

ANALOG : RGB / YUV

RETURN LOSS : >40 dB up to 5 MHz

PROCESSING PERFORMANCE

SIGNAL : 10-bit 2D filtering

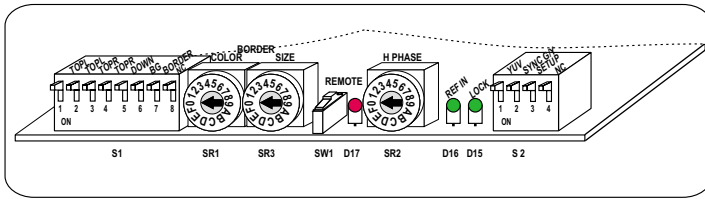
SAMPLING : 27 MHz

FREQUENCY RESPONSE : ± 0,1 dB 100Hz to 5 MHz

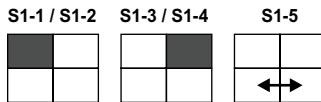
POWER : < 30 W

DMV 504

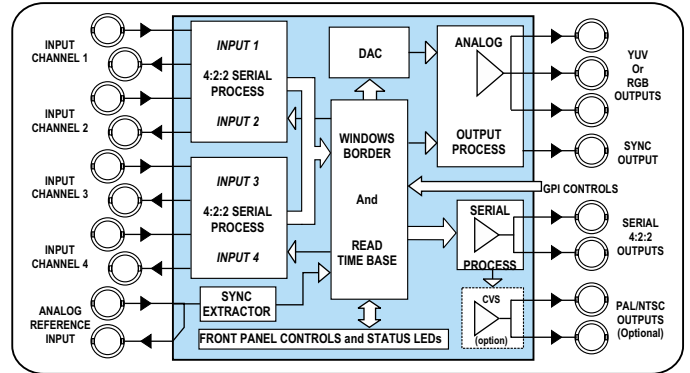
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Front edge of controller board



INPUT CHANNEL ASSIGNMENT



Functional block diagram

User Controls

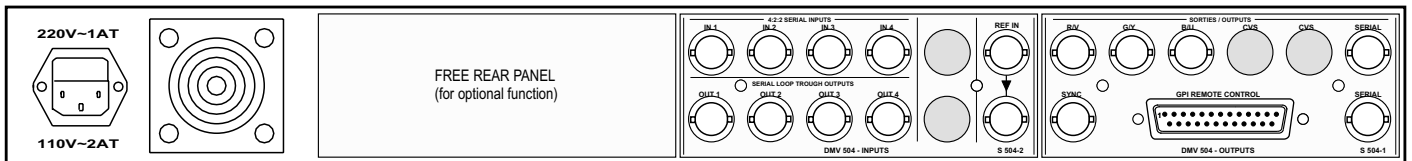
FRONT PANEL CONTROLS and STATUS LEDs

S1-1/S1-2 : TOP LEFT assignment	S1-6 : BACK GROUND "ON"	S2-1 : YUV/RVB selection	SR1 : Border colour selection	D15 : LOCKED
S1-3/S1-4 : TOP RIGHT assignment	S1-7 : BORDER "ON"	S2-2 : Sync on G/Y output	SR2 : Horizontal phase	D16 : REF. IN "ON"
S1-5 : DOWN assignment	S1-8 : Not used	S2-3 : Setup "ON"	SR3 : Border size selection	D17 : REMOTE "ON"
		S2-4 : Not used	SW1 : Remote "ON"	

Mounting Frames

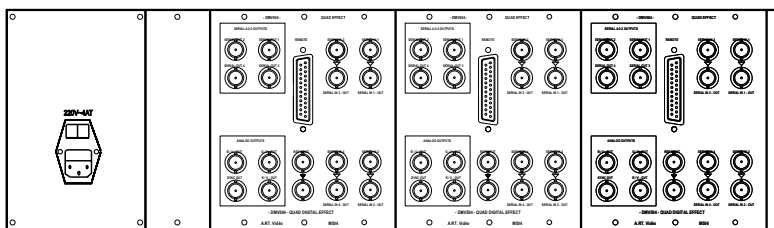
19" 1RU RACKFRAME (1 x DMV504)

DIMENSIONS : 1RU x 380 mm deep WEIGHT : < 5kg TEMPERATURE RANGE : 0-40°C POWER : 80 W max POWER INPUT RANGE : 97-240 V / 50-60Hz

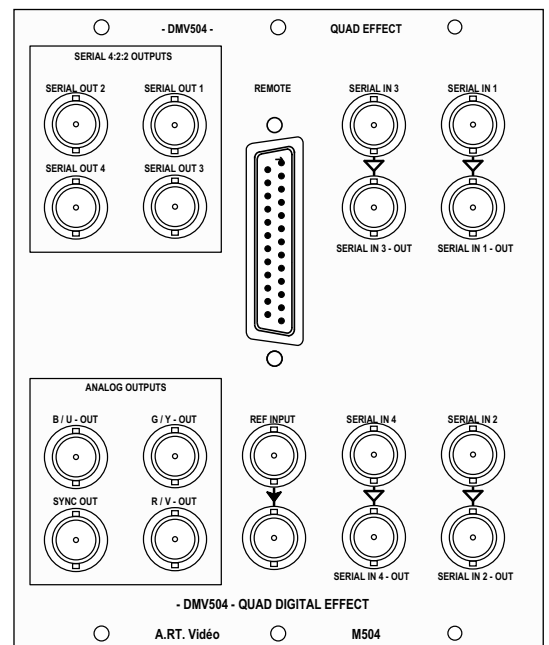
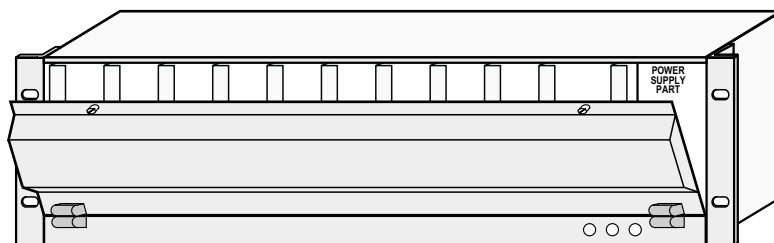


19" 3RU RACKFRAME (Up to 3 M-DMV504)

DIMENSIONS : 3RU x 410 mm deep WEIGHT : < 15kg TEMPERATURE RANGE : 0-40°C
POWER : 150W max POWER INPUT RANGE : 88-135V or 185-264V (switchable) 50-60 Hz



REAR PANEL 3U RACKFRAME WITH SINGLE POWER SUPPLY (UP to 3 single 21 TE WIDTH M-DMV504)



3U MODULE REAR PANEL

Ordering informations

19" 1RU rackframe

DMV504 : 19" 1RU rackframe Quad digital video effect

19" 3RU rackframe

M-DMV504 : Quad digital video effect 3U module for 19" 3RU rackframe (Electronic plug in boards and rear panel)
RACK3U-1 : 19" 3RU rackframe with single power supply
RACK3U-2 : 19" 3RU rackframe with redundant power supply
BPM-1 : blank rear panel unit

Specifications and designs are subject to change without notice