

VM7404

4-Port 3G-SDI Input Board



The VM7404 4-Port 3G-SDI Input Board offers an easy way to route any 4 SDI video and audio sources to multiple displays when used in combination with an ATEN [Modular Matrix Switch](#). This input board provides the capability to connect to SDI sources, including 3G-SDI, HD-SDI and SD-SDI, and supports high quality video resolutions up to 1080p @ 60 Hz. The VM7404 also supports separate analog stereo audio signals that can be routed independently. Furthermore, the board is based on a hot-swappable design, allowing the ATEN [Modular Matrix Switch](#) to remain on while the board is changed. Ideal for surveillance systems and numerous other broadcast-grade A/V applications, the VM7404 allows you to effectively centralize routing for all your 3G / HD / SD-SDI devices.

Features

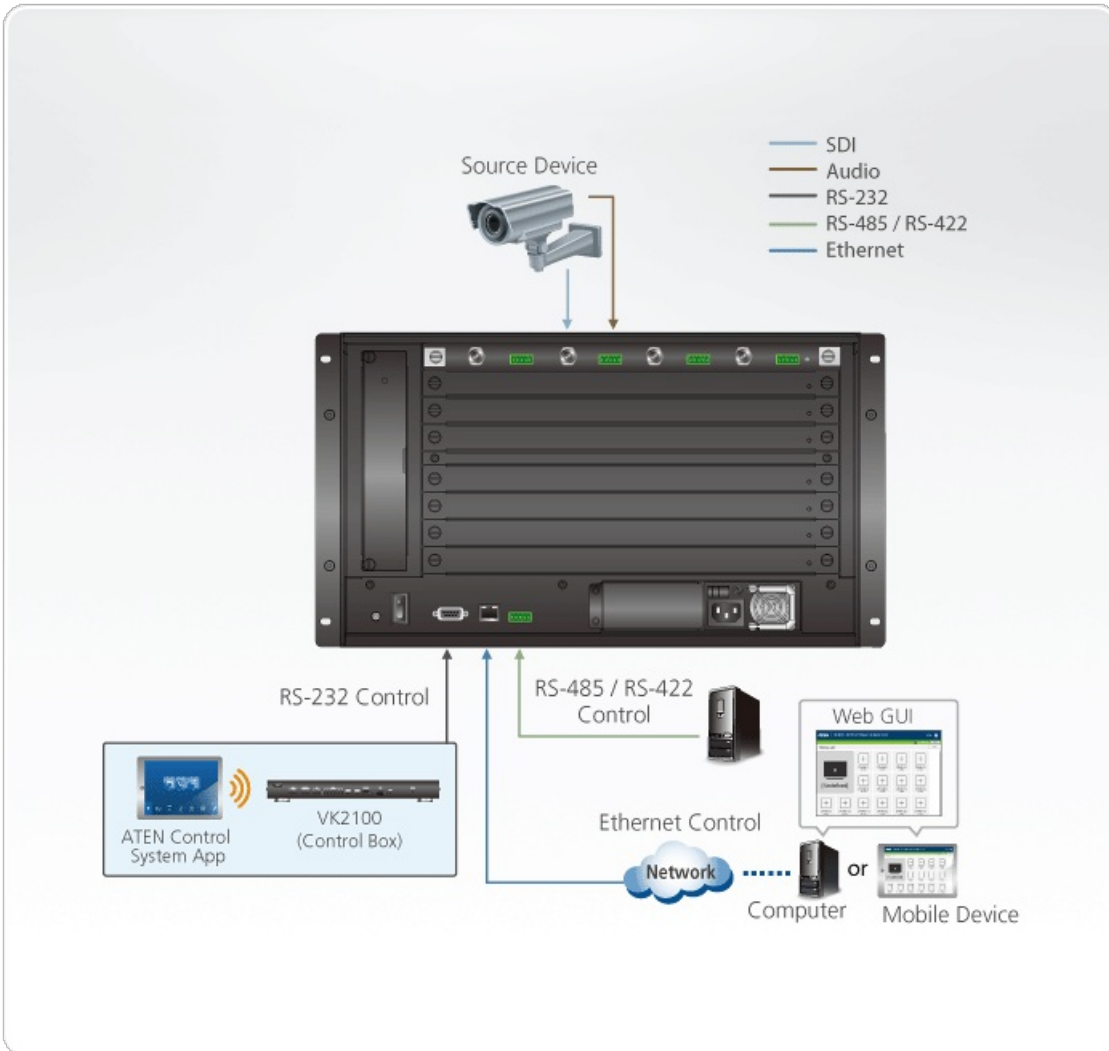
- Connects up to 4 SDI inputs
- Supports SD-SDI, HD-SDI and 3G-SDI formats
- Hot-swappable design for easy integration of I/O boards
- Compatible with the [VM1600](#) - mix and match modular I/O boards for optimal flexibility

Note: When the VM7404 is used in conjunction with output boards featuring scalers, the Seamless Switch™, scaler and video wall functions can be used.

Specifications

Video	
Supported Resolutions	PAL /50 PAL and NTSC/59.94 720p 25, 29.97, 30,50,59.94, 60 1080i50, 59.94, 60 1080PsF 25, 29.97,30 1080p 23.98, 24, 25, 29.97, 30,50,59.94, 60
Max. Data Rate	2.97 Gpbs
Max. Distance	100m (3G-SDI); 150m (HD-SDI); 300m (SD-SDI)
SDI Formats	3G-SDI, SMPTE-259,292,424, 425 Level A & B-DL
Audio Inputs	
Interfaces	4 x Captive Screw Connectors, 5 pole * Audio signal type: stereo, balanced/unbalanced.
Power Consumption	16W:75BTU/h Note: <ul style="list-style-type: none"> ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Environmental	
Operating Temperature	0–40°C
Storage Temperature	-20–60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Weight	0.60 kg (1.32 lb)
Housing	Metal
Dimensions (L x W x H)	35.20 x 23.80 x 2.33 cm (13.86 x 9.37 x 0.92 in.)
Note	Audio signal type support stereo, balanced/unbalanced. Balanced audio maximum input/output level: 0.5 Vrms (-6.02dBV@600 ohm) Unbalanced audio maximum input/output level: 1Vrms (0dBV@600ohm.)
Video Input	
Interfaces	4 x BNC Female
Impedance	75 Ω
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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