

IQ MODULAR SPECIFICATION

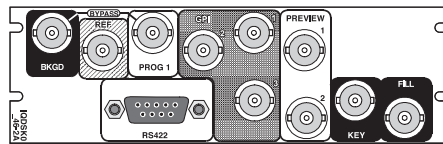
Relay rear panels for signal input to output bypass

A relay rear panel option is available for the modules listed below in order to allow the signal to bypass the module in the case of power failure or module disconnection. Suitable for emergency protection of critical signal paths in applications where it is essential to retain signal path integrity.

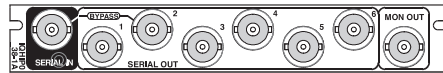
HD/SD-SDI MODULES

Key Features

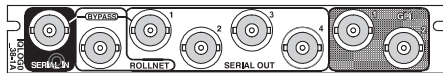
- Passive relay to connect the input to one of the outputs if the module is removed from the enclosure or suffers a power failure
- Relay Rear versions available for the following modules:



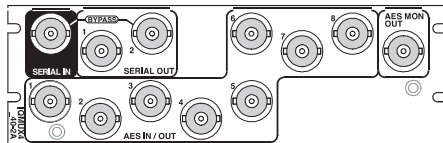
IQDSK0046-2A HD/SD-SDI Keyer



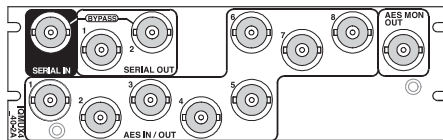
IQHIP0038-1A HD/SD-SDI Hyperion Intelligent Processing Module



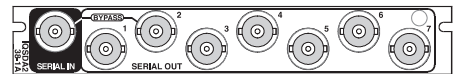
IQLOG0038-1A HD/SD-SDI Logo Inserter



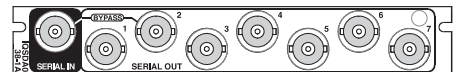
IQMUX4340-2A AES/EBU Remultiplexer for HD/SD-SDI signals



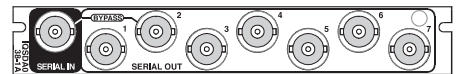
IQMUX4740-2A AES/EBU Remultiplexer for HD/SD-SDI signals



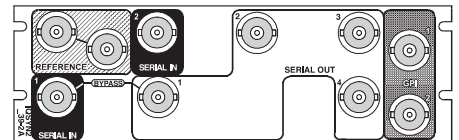
IQSDA2238-1A HD/SD-SDI Reclocking DA with RollCall



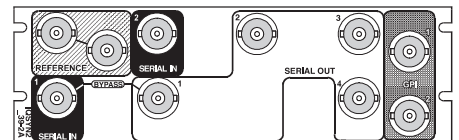
IQSDA0138-1A HD/SD-SDI Reclocking DA with RollCall



IQSDA0238-1A HD/SD-SDI Reclocking DA with Hyperion monitoring



IQSYN2039-2A HD/SD-SDI Frame Synchronizer



IQSYN2139-2A HD/SD-SDI Frame Synchronizer with embedded audio processing

TECHNICAL SPECIFICATION

Specification differences from standard module

Input Cable Length	40m input cable length and 35m output cable length, relay bypass version. Belden 1694A @ 1.5 Gbit/s and 270 Mbit/s
Input Return Loss	> -8dB (When not in BYPASS mode)
Output Return Loss	> -8dB (When not in BYPASS mode)

Note: Do not cascade more than 5 modules with relay rear panels

Power Consumption

Module Power Consumption

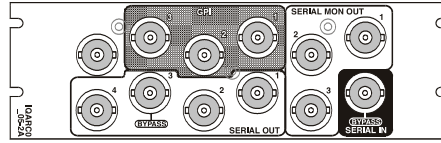
Add 0.5 W to standard module's maximum power consumption figure

Contact your local sales office for more information.

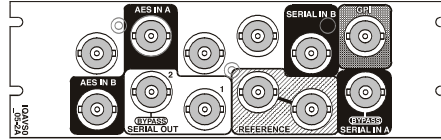
SD-SDI MODULES

Key Features

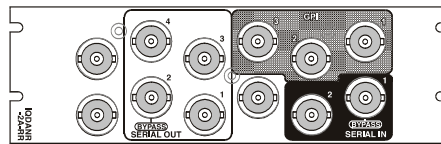
- Passive relay to connect the input to one of the outputs if the module is removed from the enclosure or suffers a power failure
- Relay Rear versions available for the following modules:



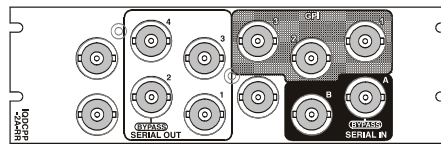
IQARC0005-2A Aspect Ratio Converter with Signalling
(Reduced number of GPIs compared to standard product)



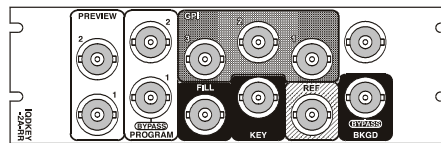
IQAVS0005-2ASDI and 4 Channel AES/EBU Synchronizer



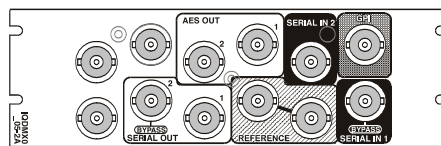
IQDANR-2A-RR SDI Advanced Noise Reducer
(Bypass for input 1 only)



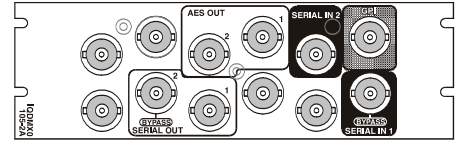
IQDCPP-2A-RR SDI Pre-processor
(Bypass for input 1 only)



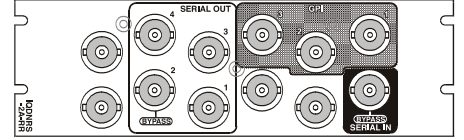
IQDKEY-2A-RR SDI Linear Keyer



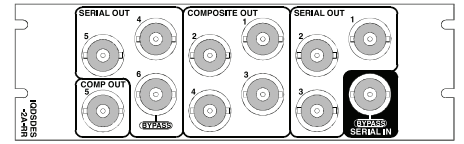
IQDMX0005-2A SDI Synchronizer and 4 channel AES/EBU Demultiplexer (Bypass for input 1 only)



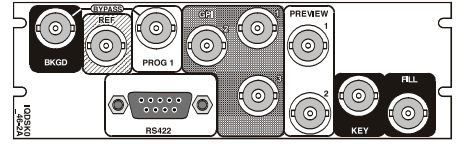
IQDMX0105-2A 4 channel AES/EBU Demultiplexer
(Bypass for input 1 only)



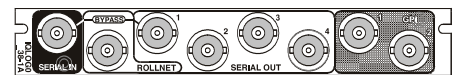
IQDNRS-2A-RR Digital Noise Reducer



IQDSEDES-2A-RR Monitoring Encoder and DA

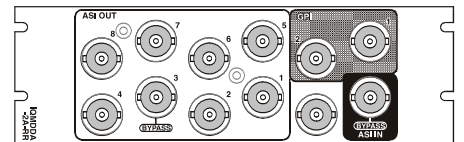


IQDSK0146-2A SDI Keyer*

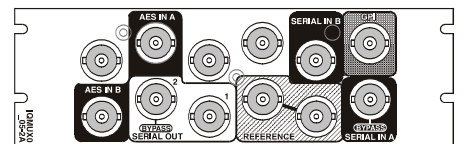


IQLOG0138-1A SDI Logo Inserter*

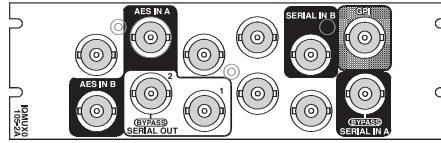
*Note: Refer to HD/SD-SDI module specifications for performance information



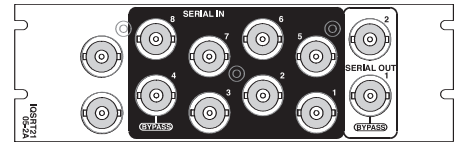
IQMDDA-2A-RR ASI Distribution Amplifier



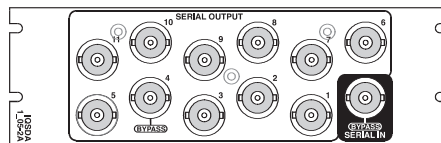
IQMUX0005-2A SDI Synchronizer and 4 channel AES/EBU Multiplexer (Bypass for input 1 only)

TECHNICAL SPECIFICATION

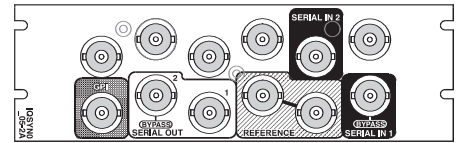
IQMUX0105-2A 4 channel AES/EBU Multiplexer
(Bypass for input 1 only)



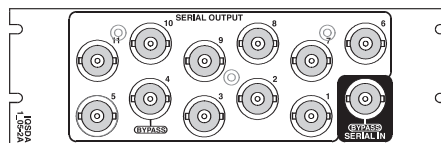
IQSRT2105-2A 8x1 Digital Router
(Bypass for input 4 only)



IQSDA1005-2A SDI Reclocking Distribution
Amplifier with RollCall



IQSYN0005-2A Frame Synchronizer with
Embedded Audio Processing



IQSDA1205-2A SDI Equalizing Distribution Amplifier

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Specification differences from standard module

Max. Input Cable Length Up to 150 m combined input and output cable length (PSF1/2 or equiv. cable) for 270 Mbit/s signals

Note: Do not cascade more than 5 modules with relay rear panels

Power Consumption

Module Power Consumption

Add 0.5 W to standard module's maximum power consumption figure

Contact your local sales office for more information.