snell

IQH1A enclosure offers high-density delivery of HD and SD modular solutions. The 1 rack unit enclosure accepts up to four 'A' style modules and is available with hot-swappable dual redundant PSUs for maximum reliability. The enclosure is fitted with RollCall control and monitoring as standard, including full SNMP control and monitoring functionality over Ethernet.
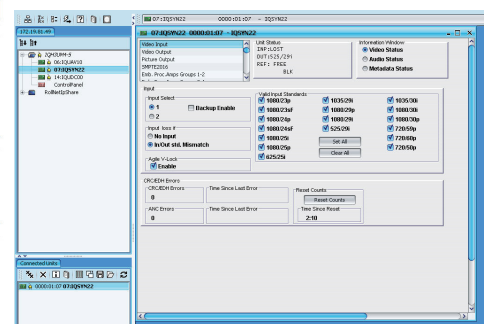
IQH1A

IQ 1U Modular Enclosure

Features

- 4 single or 2 double width modules (or any combination)
- Capable of accepting all types of IQ Modules including HD-SDI, SD-SDI, AES and analog audio, analog video and fiber optics
- Dual Redundant power supplies (hot swappable) for high system availability
- Optimum use of rack space – frames do not require any additional ventilation spacing
- Plug-in RollCall enabled via gateway card with TCP/IP, RollNet, SNMP and RS232/422 connectivity
- In service replaceable cooling fans
- Chassis monitoring, including Inlet temperature, fan condition and module status
- Full CE and UL compliance

IQH3A Http based frame status overview

IQH3A Web browser based Java RollCall control panel

Order codes for IQH3A/1A enclosures

IQH1A-S-P
Enclosure with Dual Redundant PSU & Ethernet/SNMP Compatible RollCall Gateway Card. 4 module slots.

Accessory
IQH1APSUB
Single PSU as cold spare or upgrade to Dual PSU configuration.

Accessory
IQH1A-S-GATEW
Ethernet/SNMP compatible RollCall Gateway card for IQH1A enclosures.

Note: Although IQ modules are interchangeable between enclosures, their rear panels are enclosure specific. Code 'A' order codes must be used when installing modules in the IQH1A or IQH3A enclosures. Non 'A' order codes relate to all other Snell IQ modular enclosures. When ordering a module please take time to ensure that the compatible order code is selected to match the chosen enclosure.

snellgroup.com

IQH1A-S-P

Technical Specification

Inputs, Outputs and Controls
Inputs/Outputs

RollCall remote control RS422/485/232	BNC connector
Remote control	9-pin D-type connector
RollCall/SNMP over TCP/IP	10/100 baseT Ethernet

Preset Controls

Unit address code set switches	2 Hex switches 0 to F
Communications mode switch	Select RS232, RS485 or RS422 interface

Additional Controls via RollCall Remote Control System
Full Control via RollCall Control Panel PC Application.

Specifications
Number of Modules that May be Accommodated

1U:	2 double width or 4 single width (or combinations of both) fitted horizontally
Module card dimensions	100 mm wide, 340mm long
Module rear connector	SD - 64 way HD/SD – 55 way Z pack + 6/9 coax inserts
Module rear panel dimensions	129mm wide (-A versions) 40.4mm (double width) 20mm (single width) high

CE Performance Information

Environment	Commercial and light industrial E2 immunity, controlled EMC E4 emissions
Peak mains inrush current following a 5 second mains interruption	16A

Power (each PSU)

Input voltage range	100 - 250 V 50/60 Hz
Input connector	IEC320 Fused T3.15AH
Input current	2.5 A
Enclosure power consumption	86.25 W maximum (±7.5 V supplies)
Outputs	+7.5 V and -7.5 V ±10% Fan Supply 11 V ±1 V 0.7 A typical

Note that all modules have built-in power supply fuses.

Mechanical

Temperature range	0 to 40˚ C operating, -30 to +75˚ storage. Cooling fan is fitted
Humidity range	10 to 85% (non condensing)
Case type	1U rack mounting aluminum case
Dimensions	483mm x 470mm x 44.4mm (w, d, h)

Depth behind rack ears excluding space for leads	450mm
Weight empty	6.45 Kg
Weight including modules	8.25 Kg

IQH

IQ Modular Enclosures, General Information

IQHSBOXRCAPB Active Front Panel with single PSU and RollCall Gateway Card. 0 module slots

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Technical Specification

Active Front Panel Controls (Shoebox)

Dedicated push buttons for	Home; Previous; Return; Modules; Lock; Setup; Save; Recall; Display Select; Menu Text Select; Spinwheel for menu control

Power (Shoebox)

Input voltage range	100 V to 250 V 50/60 Hz
Input connector	IEC320 Fused 1.6 A(T)
Power switch	Located on rear panel
Power consumption	20 VA maximum

Mechanical (Shoebox)

|	
Temperature range	0 to 40° C operating, -30 to +75° storage
Humidity range	10 to 85% (non condensing)
Case type	1U rack mounting steel case
Dimensions	483mm x 163mm x 44.4mm (w,d,h)
Weight	Approximately 1Kg

How do I order the right modules for my enclosure?

Although IQ modules are interchangeable between enclosures, their rear panels are enclosure specific. Code 'A' order codes must be used when installing modules in the IQH3A and IQH1A enclosures shown below. Non 'A' order codes relate to all other Snell IQ modular enclosures. Please take time to ensure that the compatible order code is selected to match the chosen enclosure.
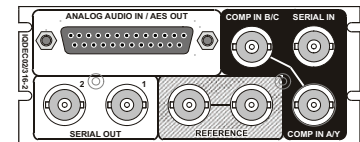
'A' Style Enclosure

Rear panels with the suffix A may only be fitted into the 'A' style enclosure as detailed below:

IQDEC0218–2A

IQH3A-E-0, IQH3A-E-P, IQH3A-0-0, IQH3A-0-P

IQH3A-S-0, IQH3A-S-P

IQH1A-S-P
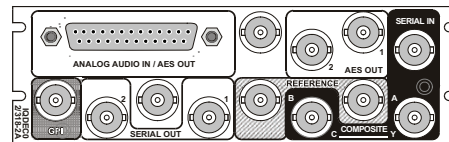
All Other Enclosures

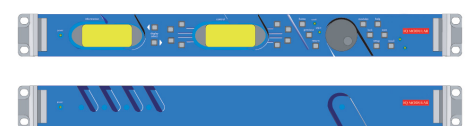Rear panels without the suffix A may be fitted into all other Snell IQ Modular enclosures as detailed below:

IQDEC0016–2
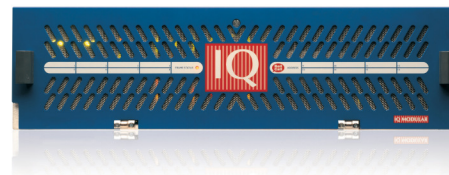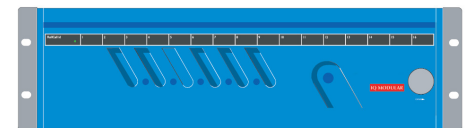

IQH1S-RC-0, IQH1S-RC-AP, IQH1U-RC-0, IQH1U-RC-AP, Kudos Plus Products

IQH3U-RC-0, IQH3U-RC-P

Please contact your local sales office to request a copy of **IQ Modular -1 and -2 Style Rear Panels** document for details of available modules.

IQH1A v1