

IQACO

Analog Video Changeover Switch

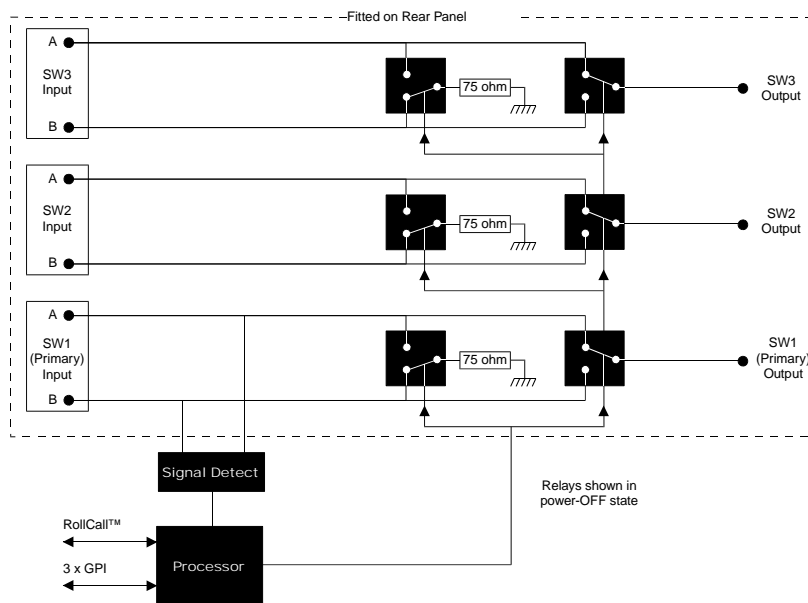
The IQACO is a passive changeover switch with composite video presence detection. Both inputs are monitored for sync presence, sync amplitude and line standard. The condition for switch over may be programmed to be sync loss or video standard change.

Does this module suit your application?

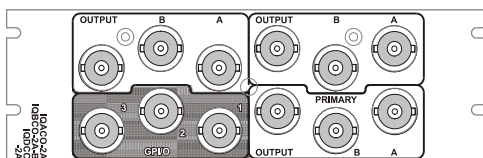
- Passive composite / pulse changeover switch
- Automatic switch over on programmable condition(s)
- Detection of sync presence, sync amplitude and line standard
- Continuity (A input) maintained with power loss or module removal
- Three programmable GPI/O's for control or tally
- Programmable switch over time delay
- RollCall remote and card edge control
- RollCall fault logging

Why should you choose this module?

- Switch over on programmable condition(s) for fully automatic operation
- Fault detection triggers the unit to switch over to the alternative input and creates an alarm trigger to flag the problem
- All fault or warning conditions can be reported and logged over RollCall

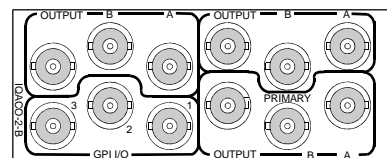


Order codes for IQH3A/1A enclosures



IQACO-2A Analog Video Changeover Switch. 1 primary, 2 secondary switches.

Order codes for other enclosures



IQACO-2 Analog Video Changeover Switch. 1 primary, 2 secondary switches.

For more details on enclosure types please refer to the Frames/Enclosures section

IQACO

Analog Video Changeover Switch

Inputs & Outputs

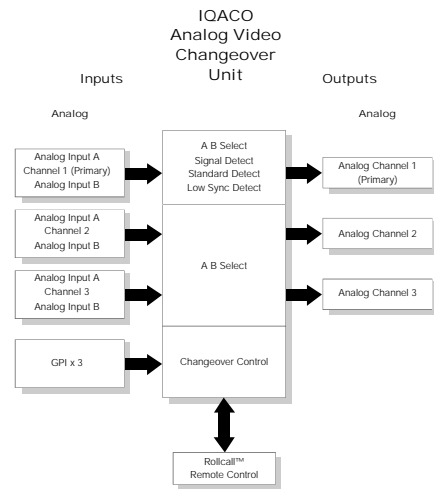
Signal Inputs

Primary Analog 2 per channel (1 channel)
Composite/Black Burst video via BNC

Secondary Analog 2 per channel (2 channels) For low data rate signals via BNC

Signal Outputs (Passive)

Primary Analog 1 per channel (1 channel) via BNC
Secondary Analog 1 per channel (2 channels) via BNC
GPI I/O 3 x closing contact via BNC



Card Edge & RollCall Controls

Card Edge Controls (also available via RollCall)

Switch mode Manual / Auto
Manual switch A / B
Local Selects default mode (cancels any RollCall programmed conditions)

Indicators

Power O.K.
Input Loss A
Input Loss B
Input Standard A 525/625
Input Standard B 525/625

Low Sync A

Low Sync B

Functions available via RollCall only

Switch condition Any logical combination of warnings and GPI triggers
GPI/O program Tally any input state or warning or set as trigger
Switch delay 0 to 10s from trigger condition(s)
Reporting & Logging Input Loss; Input Line Standard; Low Sync Level

Specifications

Analog Input Level Standard levels ± 6 dB
Input Return Loss (Primary) .. better than 35 dB to 6 MHz (Output terminated)
Input Return Loss (Secondary) .. better than 35 dB to 5 MHz (Output terminated)
Output Return Loss (Primary) .. better than 35 dB to 6 MHz (Inputs A and B terminated)

Output Return Loss (Secondary) .. better than 35 dB to 5 MHz (Inputs A and B terminated)

GPI I/O Characteristics Closing Contact Type
Output Sink Current 100 mA
Input Source Current 1 mA typical
Input Threshold Voltage 1 V typical

Power Consumption

Module Power Consumption 1W max