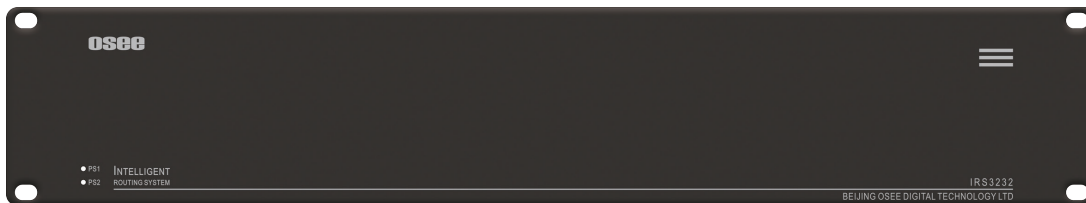


# IRS Intelligent Router

The IRS Intelligent Router, offers high performance at low cost, and is developed for small and medium-sized broadcast and professional A/V systems. It features a quiet cooling design, and tri-color operation panel buttons. The IRS is available in 32×32, 16×16, 16×8 and 16×4 models.



## Features

- **Instant valid input signal detection**
- **Source/Destination protection lock**
- **Auto sensing of 3G|HD|SD-SDI**
- **Optional Redundant power supplies for electronics and control panels**
- **Automatic cable equalization**
- **Power-down memory**
- **Permanent source anomaly alarm**
- **Back up signal bye-pass output**
- **Built-in 2×1 switcher**

## Highlight

### Display the status of the signal source

The router can detect and indicates each input source signal. Tri-color buttons indicate the quality status of each input signal. Each color represents a state of the input signal source. "Green" means the channel signal is "normal"; "Red" means the signal is "abnormal"; "Yellow" means it is the current bus output channel.

### Misoperation protection mechanism

The router offers protection control that is easily accessed by a password protected internal web browser. When this function is activated, the operator cannot switch to an abnormal signal channel.

### Permanent source anomaly alarm

In the broadcast system, there may be need for a dedicated permanent signal channel. The router can be configured for one channel to be permanent. When this channel source is detected be abnormal, the Source Button will flash RED indicating the signal integrity should be verified.

### Backup signal path

The router provides one channel dedicated BACKUP output. In the rare event of system or power failure, the BACKUP signal path will automatically be activated.

### Full supports for SNMP protocol

The router can provide comprehensive and detailed source and parameters via SNMP protocol. It supports most third-party monitoring systems.

## Specifications

Digital Video Input	
Signal Input	BNC Connector
Impedance	75Ω
Format	SMPTE-259M-C (270 Mbps) SMPTE-292M, SMPTE-299M (HD: 1.485, 1.485/1.001 Gbps) SMPTE-425 (2.970, 2.970/1.001 Gbps)
Input Reference	
Signal Format	Analog composite reference signal (BNC with loop through)
Impedance	75Ω
Digital Video Output	
Signal Output	One BNC Connector per channel
Impedance	75Ω
Format	SMPTE-259M-C (270 Mbps) SMPTE-292M, SMPTE-299M (HD: 1.485, 1.485/1.001 Gbps) SMPTE-425 (2.970, 2.970/1.001 Gbps)
Control Interface	
Host and Remote Control Panel Connection	Ethernet Interface
Host and Computer Connection	RS422
Host	2*RS485 1*RS422
Remote Web Server Control	Ethernet Connection
Remote Control Panel	Ethernet Interface
General	
Chassis RU Space by Size	Changes by size
Weight per Model (Net Weight)	IRS1616/08/04: 0.982Kg (2.2lbs) IRS3232:2.184Kg (4.1lbs)
Module Power Consumption	2*30W with redundancy (electronics) 2*5W with redundancy (remote control panel)

\*Specifications are subject to change without notice.

## Ordering Information

IRS3232-3G/HD/SD	32x32 3G /HD/SD-SDI Intelligent Router
IRS1616-3G/HD/SD	16x16 3G /HD/SD-SDI Intelligent Router
IRS1608-3G/HD/SD	16x8 3G /HD/SD-SDI Intelligent Router
IRS1604-3G/HD/SD	16x4 3G /HD/SD-SDI Intelligent Router
IRS3232-RCP	IRS3232 Remote Control Panel
IRS1616-RCP	IRS1616 Remote Control Panel
IRS1608-RCP	IRS1608 Remote Control Panel
IRS1604-RCP	IRS1604 Remote Control Panel
IRS1601-RCP	Single Busbar Remote Control Panel
IRSPGM/PST-RCP	PGM/PST Remote Control Panel

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