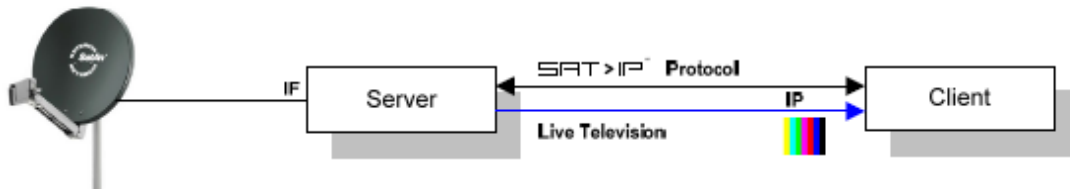


SAT>IP DVB-S distribution over IP



- The SAT>IP multi-switch is designed to provide access for up to six clients to receive video streams via a Quad, or Quattro, LNB. In the case of Unicable LNBs the SAT>IP server will provide independent video streams to four clients. The SAT>IP server can be stacked to increase the number of clients served.
- Totally self-contained apart from an external power supply. On connecting the server to the network, the server is capable of obtaining a network address as a DHCP client; in the absence of a DHCP server, the SAT>IP is capable of auto-assigning a network address to itself.
- Implements a subset of UPnP for addressing, discovery and describing the service provided to other servers and clients on the network. The server will identify itself as a SAT>IP class device supporting the SAT>IP v1.1 protocol to any potential clients requesting the SAT>IP service. The server supports, RTSP, RTP/RTCP and HTTP connection requests from clients.
- The server is field upgradable via the ethernet port. There are no user serviceable parts.
- The SAT>IP design provides support for up to four LNB inputs with an IF covering the 950MHz to 2150MHz frequency range. The physical interface is through four F-connectors on the side of the unit
- A single gigabit ethernet interface is provided for connection to a home router or switch for distribution of the video to the SAT>IP clients.
- Power efficiency is provided with the device going into a low power mode when there are no clients connected to the server



Global Invacom Ltd

Winterdale Manor, Southminster Road, Althorne, Essex, CM3 6BX. United Kingdom
 Tel: +44 (0)1621 743440 Fax: +44 (0)1438 310531 Email: sales@globalinvacom.com Web: www.globalinvacom.com
 Registered Address: Global Invacom Ltd, Winterdale Manor, Southminster Road, Althorne, Essex, CM3 6BX. ENGLAND
 Registered in the UK. Reg. No. 2319127. VAT No. GB594 7656 78



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completing the picture

Feature Summary

Table 1 gives a summary of the major features

Table 1: Feature Summary

	Features
Number of LNB feeds	4 IF inputs (950-2150MHz)
Number of Clients	Supports up to 6 clients
SAT>IP protocol	Compliant with version 1.1 of the SAT>IP protocol
LNB support	Connect to a Quad LNB providing 13V/18V and 22KHz tone switching, or Quattro LNB.
Ethernet	Provide a single 100BaseT or 1000BaseT interface via RJ45 connector
Addressing	Support for DHCP and Auto-IP for easy set up
Discovery	SSDP support as per UPNP Device Architecture 1.1
Description	XML device description as per SAT>IP 1.1 specification
RTSP	RFC2326 – Real Time Streaming Protocol
HTTP	RFC2616 – HTTP 1.1
HTTP video	RFC2616 – HTTP 1.1 using MIME type “video/MP2T”
RTP	RFC2250 – RTP Payload Format for MPEG1/MPEG2 Video
Network interface	6 transport streams of HD, allowing for channel capacity of ethernet link
Transport Stream	Able to provide full or partial transport stream extraction
IEEE 802X	None
Video security	None
Identification	Devices labeled as SAT>IP unit
Instruction manual	Diagram based instructions. Written in English
Upgrade	Network capable via the Ethernet port
Enclosure dimension	≤ 230mm x 150mm x 30mm
Cooling	Natural convection
Safety	EN 60950-1
EMC	EN50083-2:2012
SAT>IP	1.1 compliance
Serial number	Each device has its own serial number
Ethernet MAC	Each unit will be programmed with a unique MAC address.
Weight	1Kg
Operating temperature	-20C to +50C
Storage temperature	-40C to +70C
Operating humidity	90% RH

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