

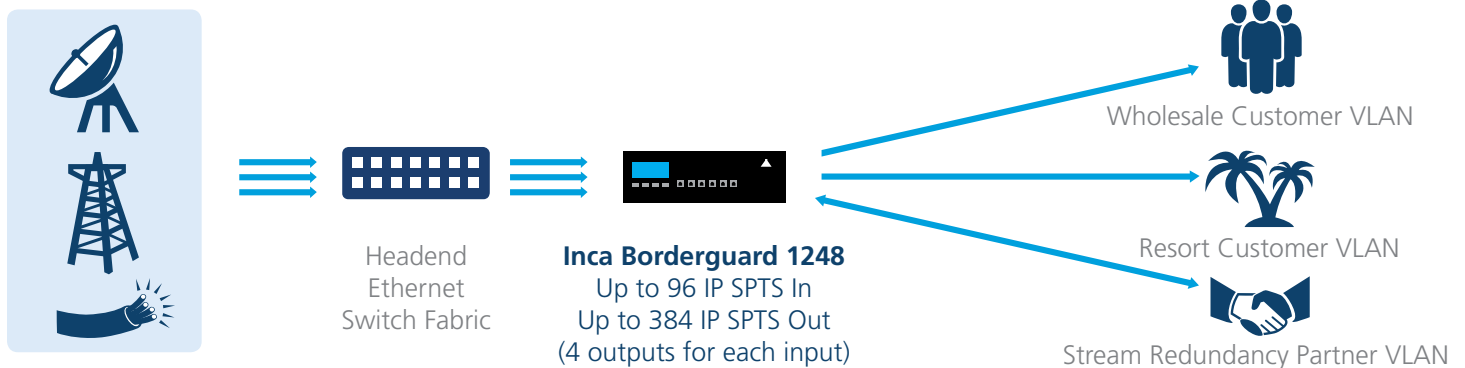


Easily, securely and affordably move IP Video streams between multiple network segments while maintaining visibility and control over every stream



- Deliver Secure Video Wholesale
- Mirror Streams on Multiple Interfaces
- Auto Failover to Backup Streams
- Maintenance Bypass of Scramblers
- VidiOS™ Stream Analysis
- Monitor Video Thumbnails

Inca's Borderguard 1248 is a category defining product that securely transports video to or from wholesale partners, broadcasters and neighboring video operators by ingesting up to 96 single program transport streams (SPTS) from up to seven different network segments, then simultaneously outputting each stream up to four times to separate networks. With its full layer seven video awareness and easy configuration and maintenance, the Borderguard 1248 provides a powerful alternative to limited layer three multicast routing.



## Inca Borderguard 1248 Applications

- Easily and securely bridge live single program transport stream (SPTS) video across up to seven physical networks or VLANs, as unicast or multicast streams
- Leverage your headend investment by transporting wholesale video to remote sites, such as neighboring video operators and resorts
- Serve multiple sites with unique channel lineups, enjoying a la carte program selection via checkboxes to authorize or remove individual channels in seconds
- Add a new FTTH network using encrypted streams already available in your headend IP video network
- Minimize programming disruptions during maintenance by bypassing processing stages, like encryption systems, with mirrored output addresses
- Create program redundancy through collaboration with neighboring headends; always have a backup available in case of local outages
- Enjoy powerful VidiOS™ troubleshooting tools with inbound and outbound video thumbnails, stream capture and download, extensive statistical analysis and stream logging
- Automatically switch to an alternate source when a program is encrypted or a source feed is interrupted



Affordable. Reliable. Easy to Use.

HEADEND  
**Inca 1248**  
BORDERGUARD



### Technical Specifications

#### Video/Audio Input and Output

MPEG-2 Transport Stream from/to any Video Port  
HD & SD, MPEG-2, MPEG-4 AVC, & HEVC<sup>3</sup> Payload  
Input Multicast/Unicast UDP IP  
Output Multicast/Unicast UDP IP or RTP+FEC

#### VidiOS™ Transport Stream Processing

Input 48x SPTS from any Video Port  
License upgradeable to 96x SPTS from any video port  
Output 4x copies of any input stream to any video Port

#### Automatic Service Failover

Automatically fail over to backup source  
Automatically recover to primary source  
Monitor up to 6 parameters in primary source  
User configurable parameter and duration thresholds

#### Management

User Interface - Web Based  
SNMP Trap Forwarding, LCD Panel

#### Network Interfaces

Management - 1000 Base-T  
Video - 7x 1000 Base-T<sup>1</sup>  
NIC Redundancy<sup>2</sup>

#### Power

Input 100 ~ 240 VAC @ 50 ~ 60 Hz  
Power < 120 W typical  
PSU Redundant Hot Swappable

#### Physical

Mounting 19" 4 Post Rack, 1 RU  
Slide Rails Included  
Dimensions 431 x 44 x 468 mm  
19" x 1.75" x 18.4"  
Rack Rail Depth 558 - 927 mm  
22" - 36.5"  
Weight 7 kg / 15.4 lb  
Operating Temperature 0 ~ 40 C

#### Regulatory Compliance

EMC Standards FCC Part 15 Subpart B Class A  
CAN ICES-3A/NMB-3A  
Safety Standards CSA/UL 60950-1, 2nd Ed. 2011-12-19

- <sup>1</sup> 4x 1000 Base-T + 4x SFP Optional
- <sup>2</sup> LACP, Active Failover, Round Robin
- <sup>3</sup> HEVC Support - Future



Multiple GigE Config



Source Config & Monitoring



Mirror and Monitor Outputs  
Output Config via Checkbox

Visit the product page for full size screen captures and videos

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